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# **WATERBORNE COMMERCE OF THE UNITED STATES**

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Calendar Year 2000

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Part 5—  
National Summaries

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Department of the Army  
Corps of Engineers

Institute for Water Resources

IWR-WCUS-00-5

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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.

## INTRODUCTION

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 Table 4-3 is 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). Tonnage figures are rounded to the nearest 1000 tons.

A zero represents less than 500 tons but more than zero. Dashes mean zero tons. 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.



**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.

# 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.

**Inraport:** 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 Industrial 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.

**System Ton-miles:** System ton-miles is a measure of a single waterway's contribution to the whole waterway system. System 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. "Total trip-miles" is the total distance from origin to destination. For example, a barge carrying 1200 tons of wheat might only travel 30 miles on the Illinois River but its total trip to New Orleans might be 1000 miles. This trip would contribute 1,200,000 system ton-miles to the Illinois River total system ton-miles.

**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 Pub Name</u>	<u>Major Grouping</u> <u>Minor Grouping</u> <u>Pub Group Pub Name</u>
00 Units 0200 Vehicles 0300 Passengers  10 Coal 1100 Coal 1200 Coal Coke  20 Petroleum & Petroleum Products 21 Crude Petroleum 2100 Crude Petroleum 22-29 Petroleum Products 2211 Gasoline 2221 Kerosene 2330 Distillate Fuel Oil 2340 Residual Fuel Oil 2350 Lube Oil & Greases 2410 Petro. Jelly & Waxes 2429 Naphtha & Solvents 2430 Asphalt, Tar & Pitch 2540 Petroleum Coke 2640 Liquid Natural Gas 2990 Petro. Products NEC  30 Chemicals and Related Products 31 Fertilizers 3110 Nitrogenous Fert. 3120 Phosphatic Fert. 3130 Potassic Fert. 3190 Fert. & Mixes NEC 32 Other Chemicals and Related Products 3211 Acyclic Hydrocarbons 3212 Benzene & Toluene 3219 Other Hydrocarbons 3220 Alcohols 3230 Carboxylic Acids 3240 Nitrogen Func. Comp. 3250 Organo-Inorganic Comp. 3260 Organic Comp. NEC 3271 Sulphur (Liquid) 3272 Sulphuric Acid 3273 Ammonia 3274 Sodium Hydroxide 3275 Inorg. Elem., Oxides, & Halogen Salts 3276 Metallic Salts 3279 Inorganic Chem. NEC	3281 Radioactive Material 3282 Pigments & Paints 3283 Coloring Mat. NEC 3284 Medicines 3285 Perfumes & Cleansers 3286 Plastics 3291 Pesticides 3292 Starches, Gluten, Glue 3293 Explosives 3297 Chemical Additives 3298 Wood & Resin Chem. 3299 Chem. Products NEC  40 Crude Materials, Inedible Except Fuels 41 Forest Products, Wood and Chips 4110 Rubber & Gums 4150 Fuel Wood 4161 Wood Chips 4170 Wood in the Rough 4189 Lumber 4190 Forest Products NEC 42 Pulp and Waste Paper 4225 Pulp & Waste Paper 43 Soil, Sand, Gravel, Rock and Stone 4310 Building Stone 4322 Limestone 4323 Gypsum 4327 Phosphate Rock 4331 Sand & Gravel 4333 Dredged Material 4335 Waterway Improv. Mat 4338 Soil & Fill Dirt 44 Iron Ore and Scrap 4410 Iron Ore 4420 Iron & Steel Scrap 45 Marine Shells 4515 Marine Shells 46 Non-Ferrous Ores and Scrap 4630 Copper Ore 4650 Aluminum Ore 4670 Manganese Ore 4680 Non-Ferrous Scrap 4690 Non-Ferrous Ores NEC 47 Sulphur, Clay and Salt 4741 Sulphur, (Dry) 4782 Clay & Refrac. Mat. 4783 Salt 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 & Paperboard
    - 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 Shellfish)
    - 6136 Shellfish
  - 62-64 Grain
    - 6241 Wheat
    - 6344 Corn
    - 6442 Rice
    - 6443 Barley & Rye
    - 6445 Oats
    - 6447 Sorghum Grains
  - 65 Oilseeds
    - 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

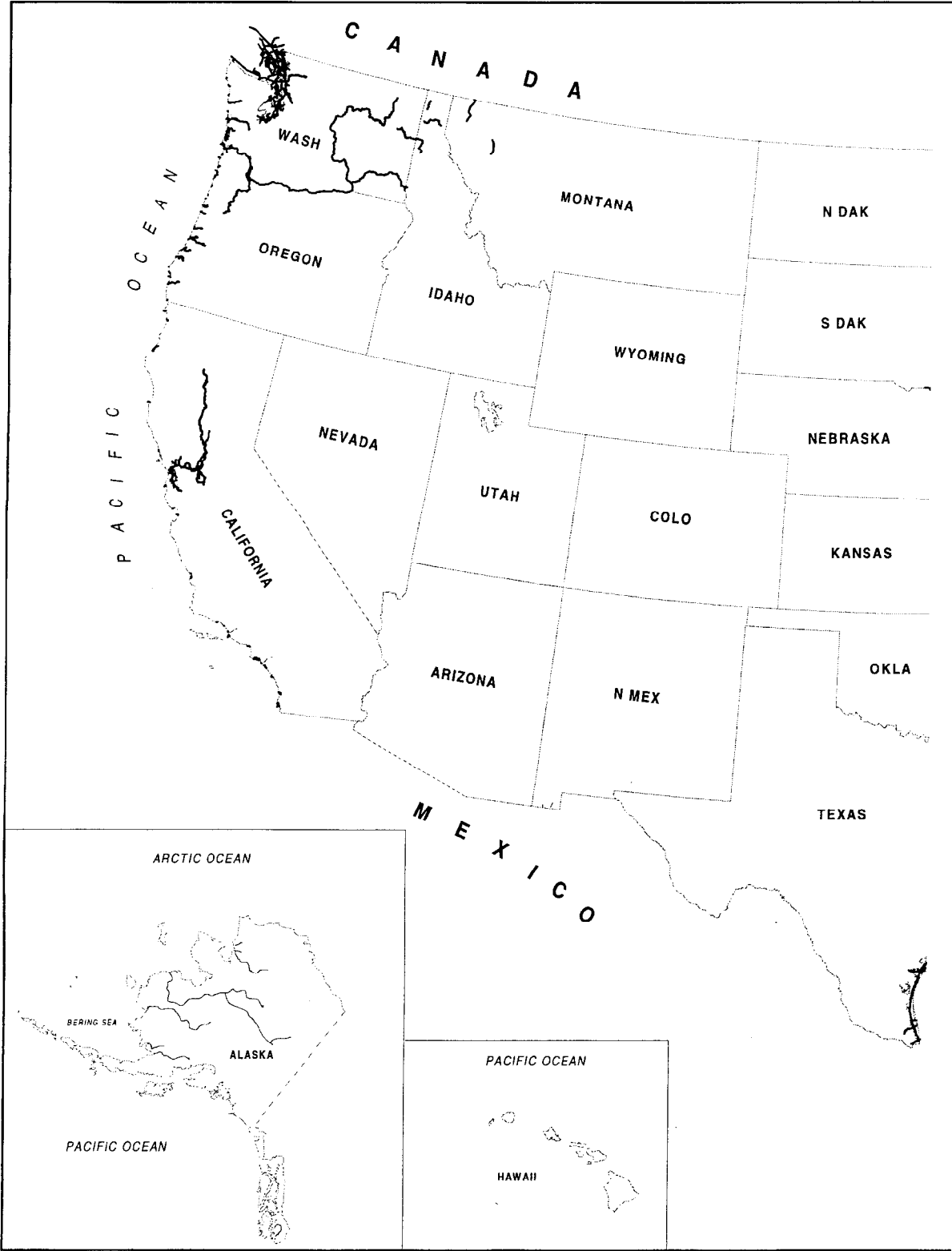
Minor Grouping

Pub Group Pub Name

- 6781 Hay & Fodder
- 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





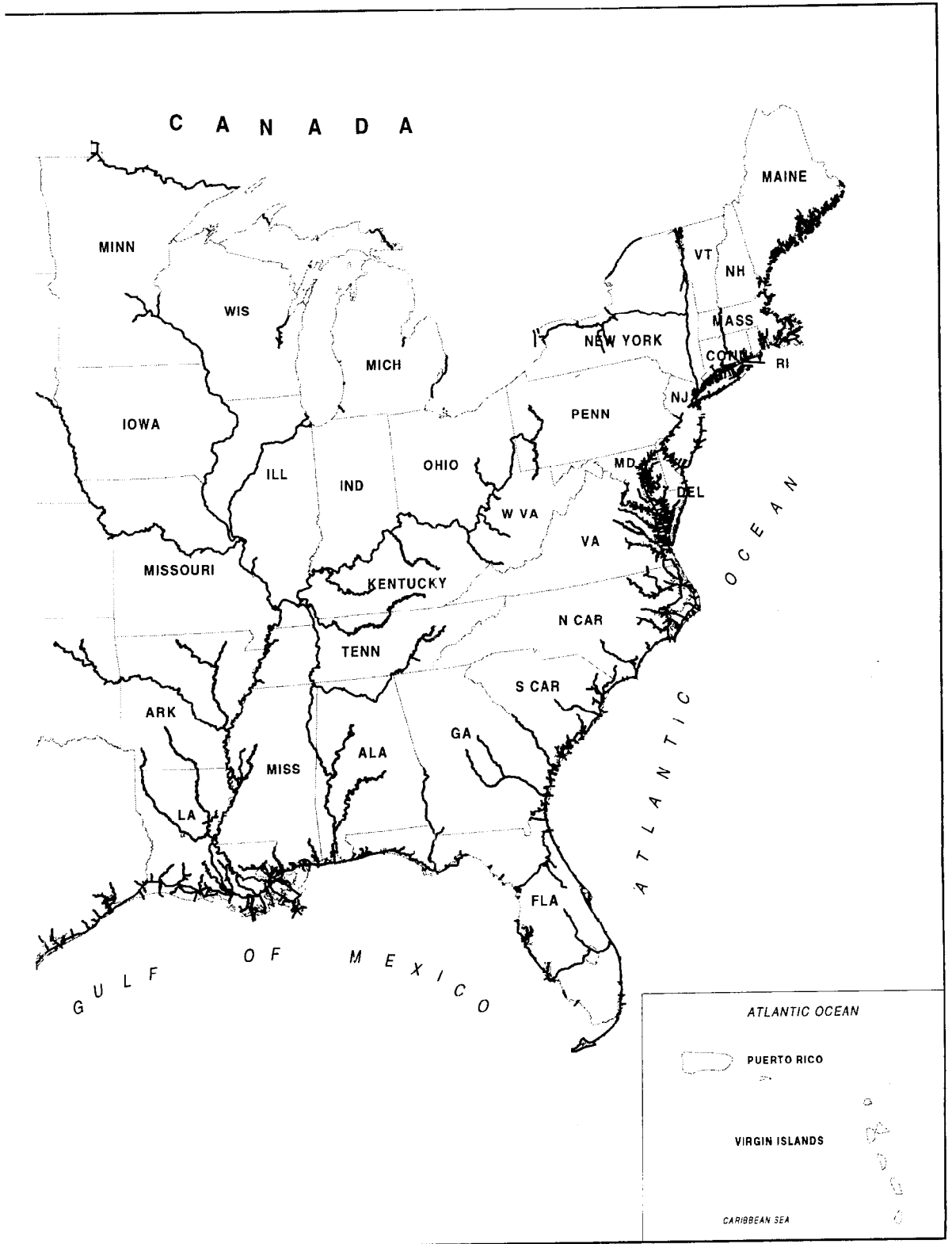


Figure 1-2  
 TOTAL WATERBORNE COMMERCE OF THE U.S., 1961-2000  
 (million short tons)

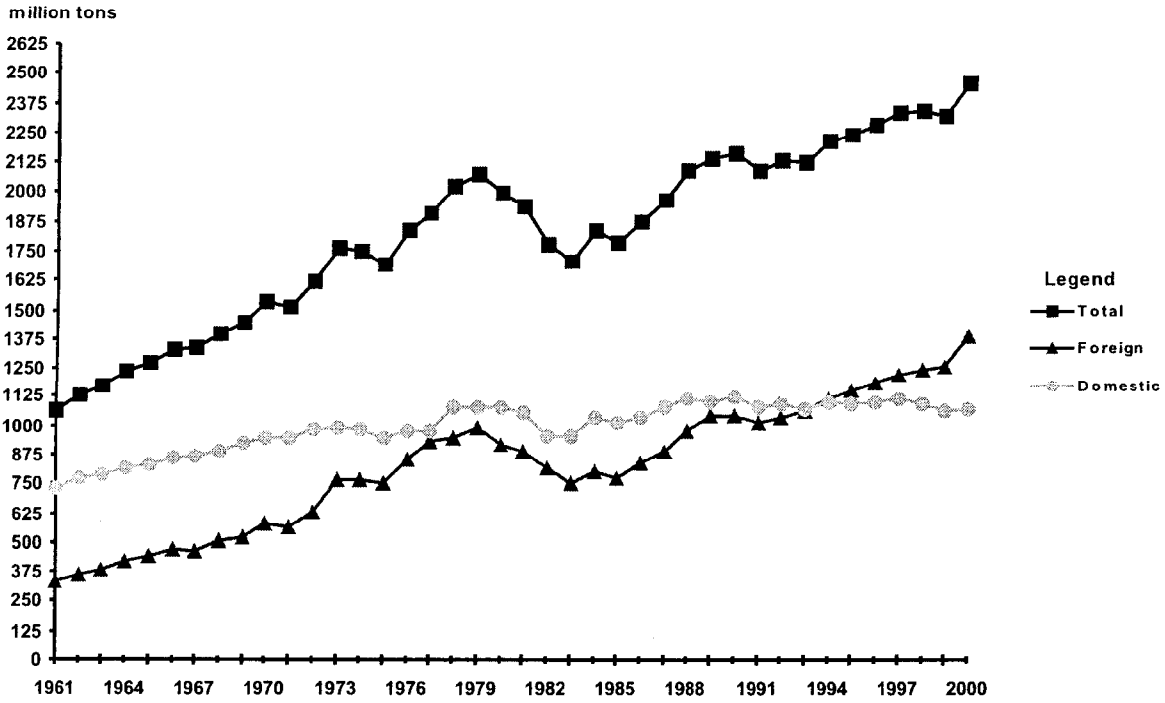


Table 1-1: TOTAL WATERBORNE COMMERCE OF THE U.S., 1961-2000  
(in short tons of 2000 pounds)

Year	Total	Foreign	Domestic
1961	1,062,155,182	329,329,818	732,825,364
1962	1,129,404,375	358,599,030	770,805,345
1963	1,173,766,964	385,658,999	788,107,965
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
<b>2000</b>	<b>2,461,630,810</b>	<b>1,391,826,117</b>	<b>1,069,797,893</b>

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

Table 1-2: FOREIGN WATERBORNE COMMERCE OF THE U.S., 1961-2000  
(in short tons of 2000 pounds)

Year	Imports				Exports			
	Total	Coastal	Great Lakes		Total	Coastal	Great Lakes	
			Canadian	Overseas			Canadian	Overseas
1961	200,165,652	188,179,228	11,007,197	979,227	129,164,166	105,959,031	18,801,857	4,403,278
1962	222,689,941	207,040,920	14,487,847	1,161,174	135,909,089	110,492,248	20,484,581	4,932,260
1963	227,375,671	209,369,531	16,495,342	1,510,798	158,283,328	129,781,571	24,455,139	4,046,618
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
<b>2000</b>	<b>976,783,758</b>	<b>952,866,134</b>	<b>19,369,772</b>	<b>4,547,852</b>	<b>415,042,359</b>	<b>374,911,407</b>	<b>36,295,686</b>	<b>3,835,266</b>

Table 1-3: DOMESTIC WATERBORNE COMMERCE OF THE U.S., 1961-2000  
(in short tons of 2000 pounds)

Year	Total	Coastwise	Lakewise	Internal	Inraport	Intra-territory
1961	732,825,364	206,899,377	136,841,146	294,052,123	93,929,070	1,103,648
1962	770,805,345	215,460,882	135,743,781	316,061,877	102,277,229	1,261,576
1963	788,107,965	213,853,293	141,741,152	331,902,484	98,980,624	1,630,412
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
<b>2000</b>	<b>1,069,797,893</b>	<b>226,937,548</b>	<b>114,352,406</b>	<b>628,444,991</b>	<b>94,558,249</b>	<b>5,504,699</b>

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

Table 1-4: TOTAL WATERBORNE COMMERCE, 1981-2000  
TON-MILES, SHORT TONS AND AVERAGE HAUL BY TYPE OF TRAFFIC

Year	Grand Total	Foreign			Domestic				
		Total	Great Lakes Ports	Coastal Ports	Total	Coastwise	Lakewise	Internal	Intraport
Ton-Miles*** (millions)									
1981	1,023,636.5	94,223.1	*35,294.0	**58,929.2	929,413.4	634,765.3	62,148.4	231,184.1	1,315.6
1982	964,896.9	78,428.2	*27,165.5	**51,262.7	886,468.7	632,707.1	35,623.3	217,026.7	1,111.7
1983	989,161.6	69,596.0	*24,309.4	**45,286.7	919,565.6	649,749.5	43,088.2	225,628.3	1,099.7
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
<b>2000</b>	<b>765,741.6</b>	<b>119,942.3</b>	<b>*38,623.6</b>	<b>**81,318.7</b>	<b>645,799.3</b>	<b>283,871.6</b>	<b>57,879.1</b>	<b>302,558.4</b>	<b>1,490.2</b>
Tons (millions)									
1981	1,938.4	887.1	63.2	823.9	1,051.3	322.0	115.4	520.7	93.2
1982	1,773.9	819.7	50.4	769.3	954.2	311.1	72.1	495.5	75.6
1983	1,704.5	751.1	48.4	702.7	953.4	309.6	83.4	487.1	73.1
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
<b>2000</b>	<b>2,456.1</b>	<b>1,391.8</b>	<b>64.0</b>	<b>1,327.8</b>	<b>1,064.3</b>	<b>226.9</b>	<b>114.4</b>	<b>628.4</b>	<b>94.6</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, 1981-2000  
 TON-MILES, SHORT TONS AND AVERAGE HAUL BY TYPE OF TRAFFIC  
 (continued)

Year	Grand Total	Foreign			Domestic					
		Total	Great Lakes Ports	Coastal Ports	Total	Coastwise	Lakewise	Internal	Intraport	
Average Haul*** (miles)										
1981	528.1	106.2	558.4	71.5	884.0	1,971.4	538.5	444.0	14.1	
1982	543.9	95.7	539.1	66.6	929.0	2,034.0	494.2	438.0	14.7	
1983	580.3	92.7	502.1	64.4	964.6	2,098.4	516.4	463.2	15.0	
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	
<b>2000</b>	<b>311.8</b>	<b>86.2</b>	<b>603.0</b>	<b>61.2</b>	<b>606.8</b>	<b>1,250.9</b>	<b>506.1</b>	<b>481.4</b>	<b>15.8</b>	

+ 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.

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

+++ "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, 1981-2000  
BY COMMODITY GROUP  
(million short tons)

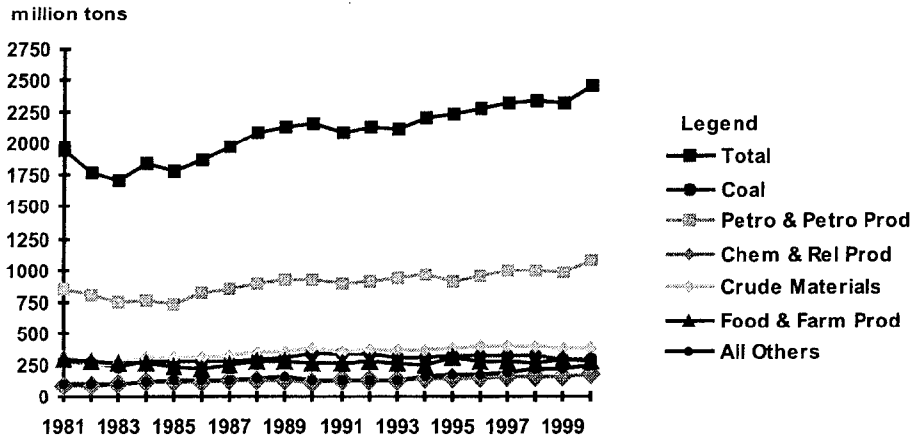


Table 1-5: TOTAL WATERBORNE COMMERCE, 1981-2000  
BY COMMODITY GROUP  
(million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>1,941.6</b>	<b>1,776.7</b>	<b>1,707.7</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>
Coal	284.6	263.1	229.8	271.8	273.9	283.9	271.3	292.2	304.8	339.9
Petro & Petro Prod	842.4	799.6	748.5	753.5	726.4	815.6	847.7	887.7	922.7	923.5
Chem & Rel Prod	94.8	84.7	96.7	115.1	114.3	118.6	129.0	138.8	127.8	123.8
Crude Materials	325.2	249.2	260.0	307.1	307.1	308.4	327.1	352.0	353.2	374.9
Primary Manuf Goods	61.2	51.3	56.4	69.3	76.9	76.0	76.5	79.5	77.8	76.0
Food & Farm Prod	285.6	279.9	270.3	268.3	231.0	215.2	254.1	273.4	276.0	267.5
All Manuf Equip	23.7	21.2	23.9	25.1	29.8	31.4	33.6	33.8	38.4	42.2
Other	24.0	27.7	22.1	25.8	29.1	25.5	28.2	30.5	39.7	16.5
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>2,092.1</b>	<b>2,132.1</b>	<b>2,128.2</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>2,461.6</b>
Coal	336.8	332.2	300.4	314.1	324.5	328.7	326.0	316.1	289.2	297.0
Petro & Petro Prod	886.0	899.6	930.6	961.3	907.1	954.4	988.2	987.4	979.1	1,080.9
Chem & Rel Prod	125.1	128.7	131.6	146.9	152.9	152.3	156.6	156.5	155.7	172.4
Crude Materials	348.9	364.0	360.6	369.3	381.7	388.7	400.9	394.3	386.6	380.3
Primary Manuf Goods	71.8	70.1	76.8	105.0	106.3	108.9	117.0	141.0	147.4	153.0
Food & Farm Prod	263.9	280.4	269.3	225.8	303.2	*284.9	271.7	265.7	287.9	283.3
All Manuf Equip	43.6	49.0	51.1	54.9	57.8	59.0	66.1	71.8	71.5	83.6
Other	16.0	8.0	7.9	7.3	6.9	7.2	6.6	6.6	5.2	11.1

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



Figure 1-4  
 FOREIGN WATERBORNE COMMERCE, 1981-2000  
 IMPORTS AND EXPORTS  
 (million short tons)

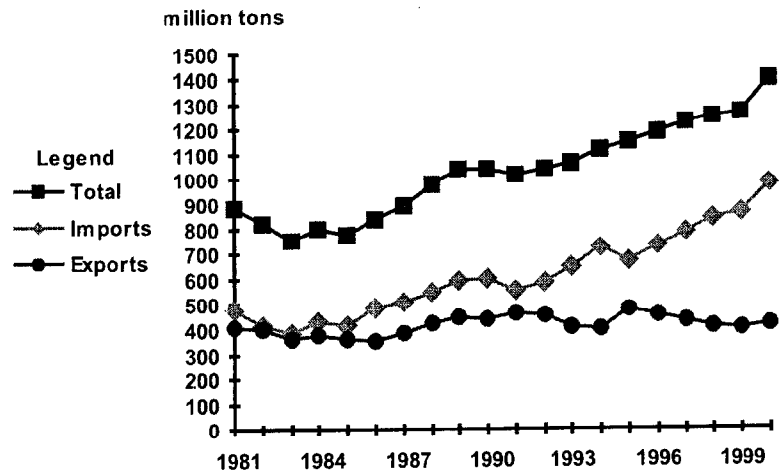


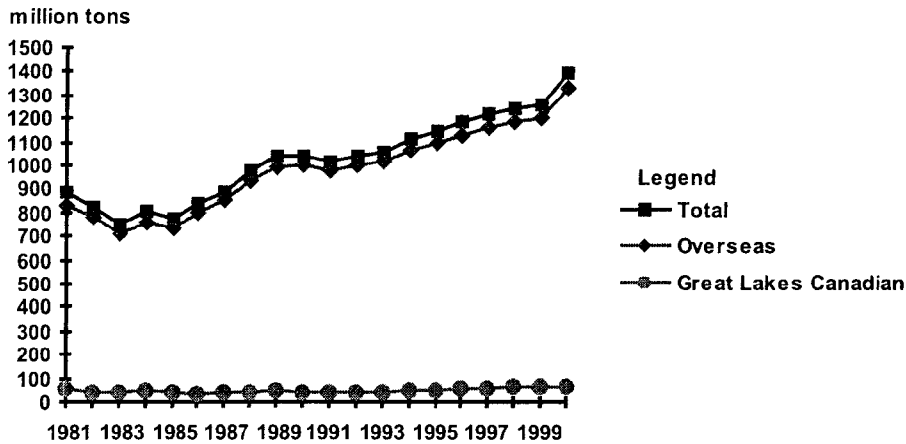
Table 1-6: FOREIGN WATERBORNE COMMERCE, 1981-2000  
 IMPORTS AND EXPORTS  
 (million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>887.1</b>	<b>819.7</b>	<b>751.1</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>
Imports	477.2	416.6	387.8	427.1	412.7	486.1	507.7	549.9	589.5	600.0
Exports	409.9	403.1	363.3	376.2	361.6	351.2	383.3	426.3	448.4	441.6

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>1,013.6</b>	<b>1,037.5</b>	<b>1,060.0</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>1,391.8</b>
Imports	555.4	586.7	648.8	719.5	672.7	732.6	788.3	840.7	860.8	976.8
Exports	458.2	450.8	411.3	396.2	474.7	450.8	432.3	404.7	400.0	415.0

*Figure 1-5*  
**FOREIGN WATERBORNE COMMERCE, 1981-2000**  
**TOTAL, OVERSEAS AND GREAT LAKES CANADIAN TRAFFIC**  
 (million short tons)



*Table 1-7: FOREIGN WATERBORNE COMMERCE, 1981-2000*  
**TOTAL, OVERSEAS AND GREAT LAKES CANADIAN TRAFFIC**  
 (million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>887.1</b>	<b>819.7</b>	<b>751.1</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>
Overseas*	833.3	778.5	711.3	758.1	734.7	802.4	854.2	932.8	992.4	997.5
Great Lakes Canadian & Overseas	53.8	41.2	39.9	45.2	39.6	34.8	36.8	43.4	45.5	44.1

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>1,013.6</b>	<b>1,037.5</b>	<b>1,060.0</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>1,391.8</b>
Overseas*	976.3	997.5	1,016.4	1,065.6	1,095.5	1,127.0	1,162.9	1,183.0	1,198.3	1,327.8
Great Lakes Canadian & Overseas	37.3	39.9	43.6	50.1	51.9	56.4	57.7	62.4	62.4	64.0

\*Excludes U.S. Great Lakes

Figure 1-6  
 DOMESTIC WATERBORNE COMMERCE,  
 1981-2000  
 BY TYPE OF TRAFFIC  
 (million short tons)

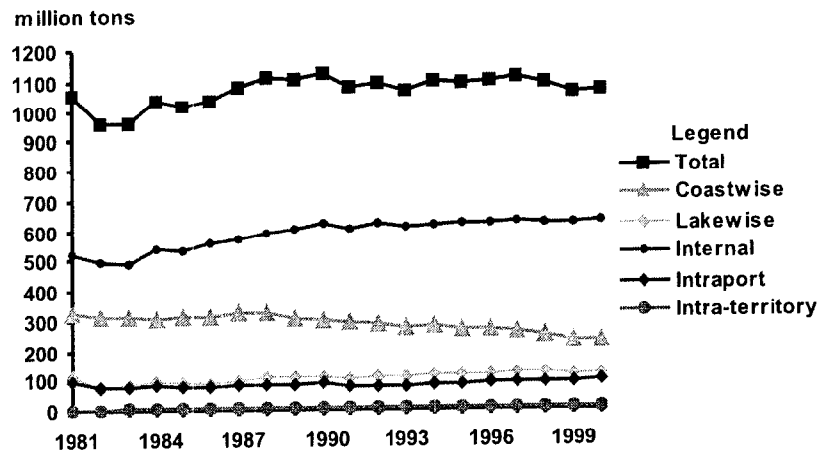


Table 1-8: DOMESTIC WATERBORNE COMMERCE, 1981-2000  
 BY TYPE OF TRAFFIC  
 (million short tons)

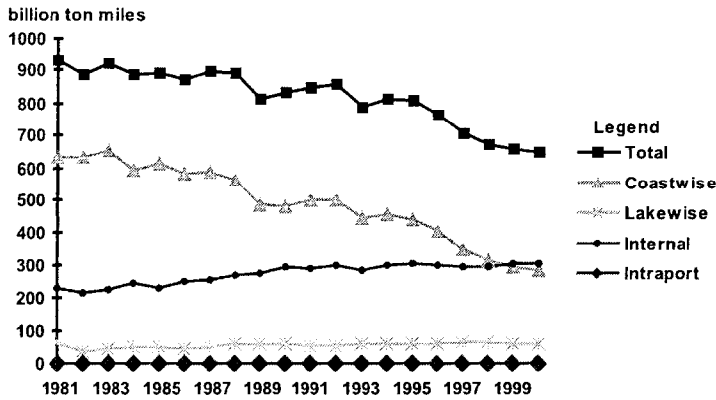
	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>1,054.5</b>	<b>957.0</b>	<b>956.5</b>	<b>1,032.7</b>	<b>1,014.1</b>	<b>1,037.2</b>	<b>1,076.5</b>	<b>1,111.8</b>	<b>1,102.5</b>	<b>1,122.3</b>
Coastwise	322.0	311.1	309.6	307.7	309.8	308.0	323.5	325.2	302.0	298.6
Lakewise	115.4	72.1	83.4	98.0	92.0	87.4	96.5	109.7	109.1	110.2
Internal	520.7	495.5	487.1	542.5	534.7	560.5	569.8	588.1	606.0	622.6
Intraport	93.2	75.6	73.1	81.1	74.3	77.4	82.0	83.7	80.2	86.4
Intra-territory	3.1	2.8	3.2	3.4	3.4	4.0	4.7	5.1	5.2	4.5

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>1,078.6</b>	<b>1,094.6</b>	<b>1,068.2</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>
Coastwise	294.5	285.1	271.7	277.0	266.6	267.4	263.1	249.6	228.8	226.9
Lakewise	103.4	107.4	109.9	114.8	116.1	114.9	122.7	122.2	113.9	114.4
Internal	600.4	621.0	607.3	618.4	620.3	*622.1	630.6	625.0	624.6	628.4
Intraport	75.6	76.8	74.4	82.9	83.1	*89.0	89.8	90.1	88.7	94.6
Intra-territory	4.6	4.2	5.0	5.9	6.9	7.3	6.3	7.2	5.9	5.5

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

*Figure 1-7*  
**DOMESTIC WATERBORNE COMMERCE, 1981-2000**  
**TON-MILES BY TYPE OF TRAFFIC**  
 (billion short ton-miles)



**Table 1-9: DOMESTIC WATERBORNE COMMERCE, 1981-2000**  
**TON-MILES BY TYPE OF TRAFFIC**  
 (billion short ton-miles)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>929.4</b>	<b>886.5</b>	<b>919.6</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>
Coastwise	634.8	632.7	649.7	593.9	611.0	580.9	586.8	561.6	483.9	479.1
Lakewise	62.1	35.6	43.1	49.8	48.2	43.2	50.1	58.2	58.3	60.9
Internal	231.2	217.0	225.6	242.9	232.7	248.1	257.3	269.0	272.2	292.4
Intraport	1.3	1.1	1.1	1.2	1.1	1.2	1.2	1.2	1.2	1.1

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>848.4</b>	<b>856.7</b>	<b>789.7</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>
Coastwise	502.1	502.3	448.4	457.6	440.3	408.1	349.8	314.9	292.7	283.9
Lakewise	55.3	55.8	56.4	58.3	59.7	58.3	62.2	61.7	57.0	57.9
Internal	290.0	297.6	283.9	297.8	306.3	296.8	294.0	294.9	304.7	302.6
Intraport	1.0	1.0	0.9	1.3	1.3	1.5	1.4	1.4	1.4	1.5

Figure 1-8  
 DOMESTIC WATERBORNE COMMERCE, 1981-2000  
 AVERAGE HAUL BY TYPE OF TRAFFIC  
 (miles per short ton)

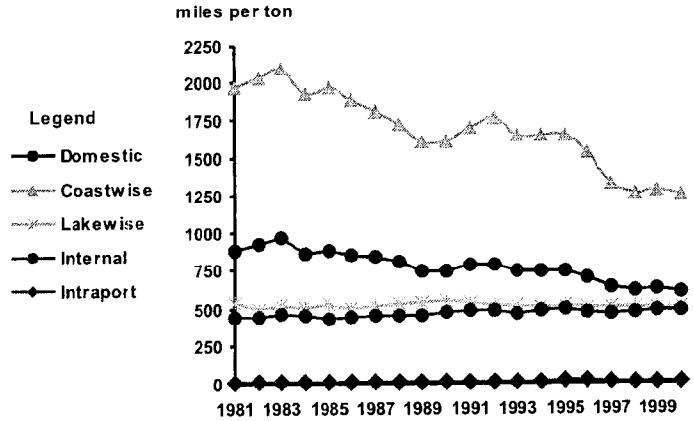


Table 1-10: DOMESTIC WATERBORNE COMMERCE, 1981-2000  
 AVERAGE HAUL BY TYPE OF TRAFFIC  
 (miles per short ton)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Domestic	884.0	929.0	964.6	862.5	883.5	845.3	835.4	804.3	743.2	745.7
Coastwise	1,971.4	2,034.0	2,098.4	1,930.5	1,972.2	1,885.9	1,813.9	1,727.0	1,602.1	1,604.4
Lakewise	538.5	494.2	516.4	508.0	523.8	494.5	519.0	530.3	534.5	553.1
Internal	444.0	438.0	463.2	448.0	435.2	442.7	451.6	457.5	449.1	469.6
Inraport	14.1	14.7	15.0	14.3	14.8	15.5	14.4	14.8	14.9	12.6

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Domestic	789.9	785.7	742.7	745.5	743.6	699.4	639.5	619.0	621.1	606.8
Coastwise	1,704.8	1,761.7	1,650.4	1,651.8	1,651.6	1,526.2	1,329.5	1,261.3	1,279.4	1,250.9
Lakewise	535.0	519.4	514.0	507.6	514.1	507.8	506.5	504.7	500.9	506.1
Internal	483.0	479.3	467.5	481.5	493.8	477.1	466.3	471.8	487.9	481.4
Inraport	12.8	12.4	12.4	15.6	16.2	16.6	15.3	15.3	15.4	15.8

Figure 1-9  
DOMESTIC WATERBORNE COMMERCE, 1981-2000  
BY COMMODITY GROUP  
(million short tons)

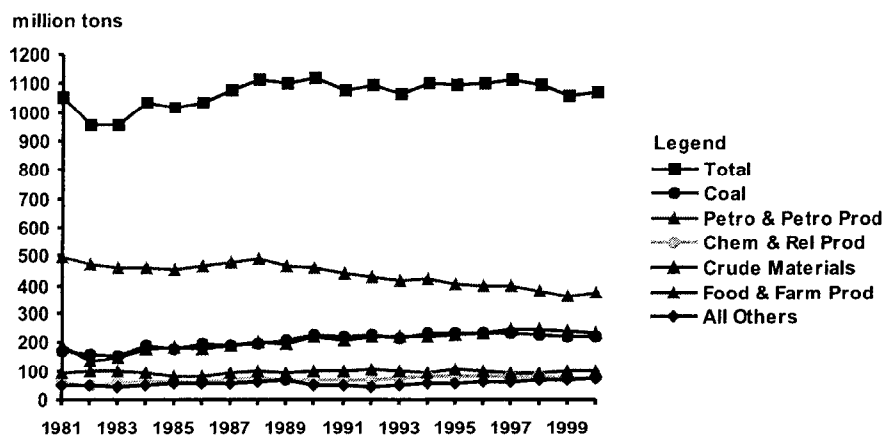


Table 1-11: DOMESTIC WATERBORNE COMMERCE, 1981-2000  
BY COMMODITY GROUP  
(million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>1,054.5</b>	<b>957.0</b>	<b>956.5</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>
Coal	171.5	156.5	155.5	189.5	179.8	196.7	190.6	196.8	210.9	227.1
Petro & Petro Prod	495.2	469.2	458.0	460.6	453.5	466.8	480.3	487.2	463.5	457.7
Chem & Rel Prod	56.3	47.5	52.8	60.1	59.7	63.7	70.3	73.3	68.6	67.4
Crude Materials	187.4	136.3	149.9	180.5	181.4	179.5	189.2	200.5	196.2	222.4
Primary Manuf Goods	23.4	18.8	20.1	22.9	25.2	24.8	24.3	24.6	24.9	25.5
Food & Farm Prod	93.3	98.3	95.9	91.2	82.1	77.8	90.2	95.3	94.7	98.6
All Manuf Equip	4.1	3.4	3.0	3.1	4.3	3.4	4.4	5.3	5.3	8.1
Other	23.2	27.0	21.3	24.9	28.1	24.5	27.1	28.9	38.4	15.5

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>1,078.6</b>	<b>1,094.6</b>	<b>1,068.2</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>
Coal	219.8	223.5	214.7	231.3	223.5	229.9	232.3	229.4	218.9	220.7
Petro & Petro Prod	440.7	429.4	416.9	420.8	403.6	398.5	396.7	382.5	361.5	370.6
Chem & Rel Prod	65.4	70.1	72.8	78.5	79.4	80.2	81.0	77.7	75.3	76.0
Crude Materials	206.7	223.0	218.6	220.9	226.4	233.2	246.5	245.7	239.3	234.2
Primary Manuf Goods	25.4	25.8	28.5	35.7	36.8	37.7	37.2	41.2	45.0	45.8
Food & Farm Prod	98.2	105.3	98.3	93.3	103.4	*98.0	93.7	91.5	100.0	96.9
All Manuf Equip	8.1	10.6	11.6	12.5	14.6	17.2	19.5	20.8	17.8	21.2
Other	14.4	6.9	6.8	5.8	5.5	6.0	5.6	5.3	3.9	4.3

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



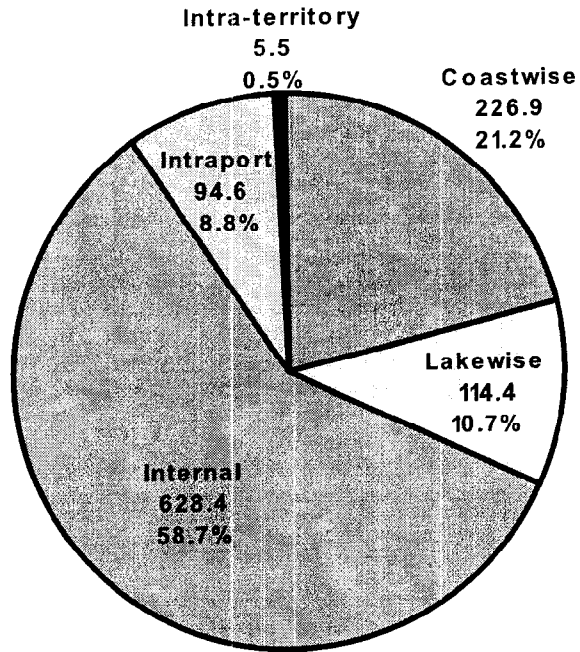
*Table 1-12: DOMESTIC COMMERCE, 1999-2000  
 COMPARED BY TYPE OF TRAFFIC  
 BARGE AND SELF-PROPELLED VESSELS  
 (million short tons)*

	1999	2000	% Change
<b>Domestic Traffic</b>	<b>1,061.8</b>	<b>1,069.8</b>	0.8
Coastwise	228.8	226.9	-0.8
Lakewise	113.9	114.4	0.4
Internal	624.6	628.4	0.6
Intraport	88.6	94.6	6.7
Intra-territory	5.9	5.5	-6.3
<b>Barge Traffic</b>	<b>806.8</b>	<b>811.0</b>	0.5
Coastwise	107.1	104.1	-2.8
Lakewise	11.7	12.2	4.4
Internal	599.2	601.1	0.3
Intraport	85.7	91.0	6.1
Intra-territory	3.1	2.6	-15.2
<b>Self-Propelled Traffic</b>	<b>254.9</b>	<b>258.8</b>	1.5
Coastwise	121.7	122.8	1.0
Lakewise	102.2	102.1	-0.0
Internal	25.4	27.3	7.6
Intraport	2.9	3.6	22.0
Intra-territory	2.8	2.9	3.7

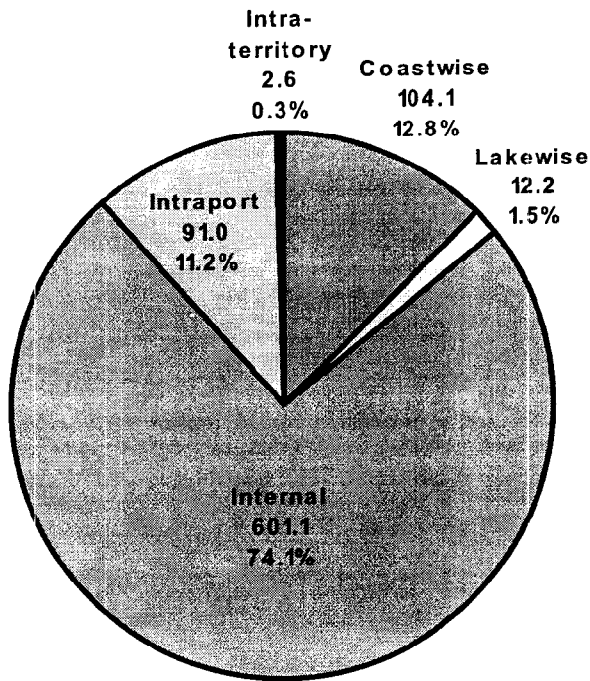


Figure 1-10  
 DOMESTIC COMMERCE, 2000  
 COMPARED BY TYPE OF TRAFFIC, BARGE AND SELF-PROPELLED VESSELS  
 (million short tons and percentage of short tons)

**Domestic Traffic**



**Barge Traffic**



**Self-Propelled Traffic**

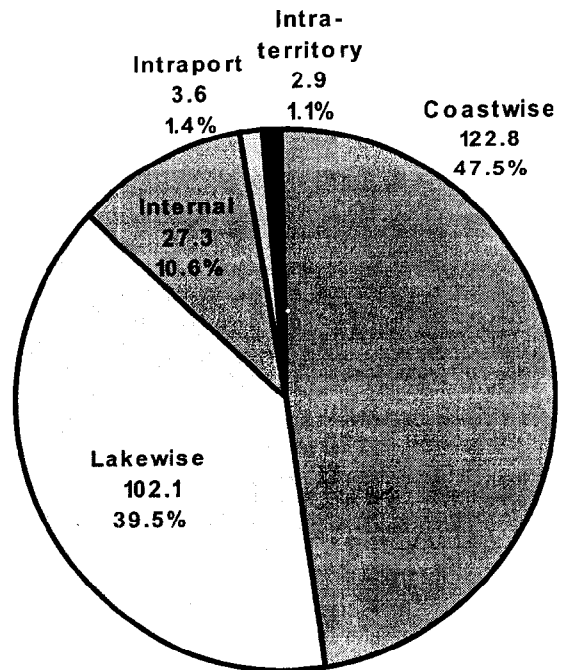


Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 2000  
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE IMPORTS AND EXPORTS  
 (short tons)

Commodity	Canada				Mexico			
	Inbound from	%	Outbound to	%	Inbound from	%	Outbound to	%
<b>Total, all commodities</b>	<b>69,180,390</b>	<b>7.1</b>	<b>44,612,680</b>	<b>10.7</b>	<b>100,581,892</b>	<b>10.3</b>	<b>30,080,604</b>	<b>7.2</b>
<b>Total coal</b>	<b>624,088</b>	<b>4.0</b>	<b>21,708,801</b>	<b>35.7</b>	<b>12</b>	<b>0.0</b>	<b>40,347</b>	<b>0.1</b>
1100 coal lignite	545,056	4.9	21,269,457	35.6	12	0.0	29,157	0.0
1200 coal coke	79,032	1.8	439,344	40.4	—	—	11,190	1.0
<b>Total petroleum and petroleum products</b>	<b>21,852,566</b>	<b>3.4</b>	<b>3,854,831</b>	<b>6.6</b>	<b>85,337,803</b>	<b>13.1</b>	<b>13,817,038</b>	<b>23.5</b>
<b>Subtotal crude petroleum</b>	<b>12,209,859</b>	<b>2.3</b>	<b>42,610</b>	<b>1.4</b>	<b>82,366,851</b>	<b>15.8</b>	<b>5,048</b>	<b>0.2</b>
2100 crude petroleum	12,209,859	2.3	42,610	1.4	82,366,851	15.8	5,048	0.2
<b>Subtotal petroleum products</b>	<b>9,642,707</b>	<b>7.4</b>	<b>3,812,221</b>	<b>6.9</b>	<b>2,970,952</b>	<b>2.3</b>	<b>13,811,990</b>	<b>24.8</b>
2211 gasoline	4,523,171	18.7	92,894	1.4	287,615	1.2	5,103,656	79.3
2221 kerosene	173,844	2.4	593,493	39.6	147,725	2.0	216,582	14.5
2330 distillate fuel oil	2,892,334	13.7	385,524	7.8	47,575	0.2	1,533,097	31.0
2340 residual fuel oil	1,474,564	3.7	1,179,431	9.3	115,038	0.3	5,770,564	45.5
2350 lube oil & greases	7,083	0.1	108,950	6.8	58,719	0.6	8,144	0.5
2410 petro. jelly & waxes	56	0.0	37,464	24.0	51	0.0	241	0.2
2429 naphtha & solvents	258,701	1.4	36,298	1.9	2,263,954	12.7	137,289	7.2
2430 asphalt, tar & pitch	17,358	4.9	—	—	—	—	1,717	3.0
2540 petroleum coke	284,830	9.7	1,367,425	5.8	50,275	1.7	193,531	0.8
2640 liquid natural gas	10,766	0.2	10,742	0.4	—	—	847,169	29.8
<b>Total chemicals and related products</b>	<b>3,524,790</b>	<b>9.2</b>	<b>1,704,230</b>	<b>2.9</b>	<b>539,520</b>	<b>1.4</b>	<b>4,744,542</b>	<b>8.2</b>
<b>Subtotal fertilizers</b>	<b>547,962</b>	<b>7.0</b>	<b>138,036</b>	<b>1.0</b>	<b>7,212</b>	<b>0.1</b>	<b>538,895</b>	<b>4.0</b>
3110 nitrogenous fert.	40,043	0.9	24,555	1.4	15	—	157,049	9.0
3120 phosphatic fert.	—	—	—	—	15	0.0	2,438	0.3
3130 potassic fert.	482,956	47.2	—	—	—	—	83,432	3.3
3190 fert. & mixes nec	24,963	5.4	113,481	1.3	7,197	1.6	295,976	3.5
<b>Subtotal other chemicals and related products</b>	<b>2,976,828</b>	<b>9.7</b>	<b>1,566,194</b>	<b>3.5</b>	<b>532,308</b>	<b>1.7</b>	<b>4,205,647</b>	<b>9.5</b>
3211 acyclic hydrocarbons	58,530	8.4	8,757	0.8	6,375	0.9	130,451	11.6
3212 benzene & toluene	216,556	13.5	2	0.0	—	—	112,418	50.0
3219 other hydrocarbons	215,172	25.3	26,931	0.4	9,689	1.1	1,657,566	26.8
3220 alcohols	334,921	5.8	18,789	0.7	61,492	1.1	219,249	8.3
3230 carboxylic acids	1,351	0.2	1,512	0.1	95,148	11.8	212,757	8.4
3240 nitrogen func. comp.	193	0.1	13	0.0	14,818	5.0	119,742	5.5
3250 organo - inorg. comp.	706	0.4	—	—	343	0.2	1,304	0.4
3260 organic comp. nec	817,520	16.7	77,931	3.5	38,568	0.8	394,425	17.7
3271 sulphur (liquid)	—	—	—	—	—	—	—	—
3272 sulphuric acid	409,078	35.4	—	—	50,279	4.4	11,017	20.8
3273 ammonia	200,306	4.7	—	—	173,375	4.0	72,393	10.1
3274 sodium hydroxide	110,044	12.2	723,400	16.5	702	0.1	288,595	6.6
3275 inorg. elem., oxides, & halogen salts	141,878	6.6	127,405	3.8	11,448	0.5	16,913	0.5
3276 metallic salts	166,687	14.5	189,536	3.3	15,146	1.3	25,922	0.5
3279 inorganic chem. nec	130	0.0	9,421	8.6	413	0.2	13,785	12.6
3281 radioactive material	—	—	—	—	4	0.0	—	—
3282 pigments & paints	46,043	15.4	55,166	11.1	626	0.2	37,075	7.5
3283 coloring mat. nec	147	0.1	1,441	1.8	1,118	1.0	1,171	1.5
3284 medicines	221	0.1	22	0.0	365	0.2	1,127	0.5
3285 perfumes & cleansers	5,262	1.3	359	0.0	11,869	2.9	9,571	1.3
3286 plastics	13,549	0.6	125,550	1.8	27,100	1.2	449,839	6.5
3291 pesticides	87	0.1	—	—	481	0.3	4,337	1.2
3292 starches, gluten, glue	608	0.2	6,727	0.8	1,169	0.3	944	0.1
3293 explosives	340	0.2	1	0.0	83	0.1	138	0.9
3297 chemical additives	3,085	1.3	48	0.0	169	0.1	408,924	37.0
3298 wood & resin chem.	3,278	8.5	—	—	22	0.1	6,649	3.0
3299 chem. products nec	231,136	15.9	193,183	12.4	11,506	0.8	9,335	0.6
<b>Total crude materials, inedible except fuels</b>	<b>36,055,732</b>	<b>37.0</b>	<b>13,218,251</b>	<b>27.1</b>	<b>11,533,697</b>	<b>11.8</b>	<b>744,285</b>	<b>1.5</b>
<b>Subtotal forest products, wood and chips</b>	<b>1,497,593</b>	<b>27.2</b>	<b>741,089</b>	<b>5.2</b>	<b>26,294</b>	<b>0.5</b>	<b>24,410</b>	<b>0.2</b>
4110 rubber & gums	—	—	20	0.1	1,134	0.1	2,941	8.8
4150 fuel wood	2,101	24.8	85,352	89.8	25	0.3	25	0.0
4161 wood chips	353,155	99.9	419,922	6.0	—	—	16,536	0.2
4170 wood in the rough	701,875	73.4	216,090	4.9	4	0.0	111	0.0
4189 lumber	436,930	17.1	18,749	0.7	2,730	0.1	3,984	0.2
4190 forest products nec	3,532	1.2	956	1.3	22,401	7.5	813	1.1
<b>Subtotal pulp and waste paper</b>	<b>77,941</b>	<b>6.7</b>	<b>200,570</b>	<b>1.6</b>	<b>350</b>	<b>0.0</b>	<b>5,155</b>	<b>0.0</b>
4225 pulp & waste paper	77,941	6.7	200,570	1.6	350	0.0	5,155	0.0
<b>Subtotal soil, sand, gravel, rock and stone</b>	<b>15,272,996</b>	<b>52.6</b>	<b>3,240,615</b>	<b>89.1</b>	<b>9,221,586</b>	<b>31.7</b>	<b>1,910</b>	<b>0.1</b>
4310 building stone	410,728	29.0	41	0.0	765	0.1	1,801	2.0
4322 limestone	2,486,018	23.2	2,447,034	98.8	6,241,290	58.3	1	0.0
4323 gypsum	7,127,414	69.0	157,217	73.7	2,201,487	21.3	58	0.0
4327 phosphate rock	—	—	—	—	—	—	—	—
4331 sand & gravel	5,248,836	79.4	636,323	74.9	778,044	11.8	50	0.0
<b>Subtotal iron ore and scrap</b>	<b>11,054,313</b>	<b>56.9</b>	<b>6,074,680</b>	<b>65.5</b>	<b>39,877</b>	<b>0.2</b>	<b>509,228</b>	<b>5.5</b>
4410 iron ore	10,665,107	59.2	6,052,397	100.0	39,845	0.2	1	0.0
4420 iron & steel scrap	389,206	27.8	22,283	0.7	32	0.0	509,227	15.8
<b>Subtotal marine shells</b>	<b>21</b>	<b>0.4</b>	<b>—</b>	<b>—</b>	<b>121</b>	<b>2.2</b>	<b>—</b>	<b>—</b>
4515 marine shells	21	0.4	—	—	121	2.2	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>694,953</b>	<b>3.6</b>	<b>1,881,825</b>	<b>60.0</b>	<b>10,975</b>	<b>0.1</b>	<b>5,352</b>	<b>0.2</b>
4630 copper ore	—	—	54,770	35.4	—	—	—	—

Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 2000 (continued)  
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE IMPORTS AND EXPORTS

Commodity	Canada				Mexico			
	Inbound from	%	Outbound to	%	Inbound from	%	Outbound to	%
4650 aluminum ore	509,044	3.2	1,248,267	78.8	98	0.0	249	0.0
4670 manganese ore	10,000	2.0	—	—	7,275	1.5	—	—
4680 non-ferrous scrap	20,221	13.0	21	0.0	280	0.2	4,956	1.1
4690 non-ferrous ores nec	155,688	6.0	578,767	60.3	3,322	0.1	147	0.0
<b>Subtotal sulphur, clay and salt</b>	<b>2,645,444</b>	<b>56.3</b>	<b>482,750</b>	<b>9.4</b>	<b>559,027</b>	<b>11.9</b>	<b>180,954</b>	<b>3.5</b>
4741 sulphur, (dry)	86,056	7.3	67,052	7.3	558,649	47.3	178,749	19.5
4782 clay & refrac. mat.	2,559,388	72.8	415,698	9.9	378	0.0	2,205	0.1
<b>Subtotal slag</b>	<b>667,138</b>	<b>32.6</b>	<b>81,684</b>	<b>95.8</b>	—	—	—	—
4860 slag	667,138	32.6	81,684	95.8	—	—	—	—
<b>Subtotal other non-metal. min.</b>	<b>4,145,333</b>	<b>25.7</b>	<b>515,038</b>	<b>47.4</b>	<b>1,675,467</b>	<b>10.4</b>	<b>17,276</b>	<b>1.6</b>
4900 non-metal. min. nec	4,145,333	25.7	515,038	47.4	1,675,467	10.4	17,276	1.6
<b>Total primary manufactured goods</b>	<b>5,633,571</b>	<b>6.1</b>	<b>507,494</b>	<b>3.3</b>	<b>2,125,871</b>	<b>2.3</b>	<b>451,181</b>	<b>3.0</b>
<b>Subtotal paper products</b>	<b>985,772</b>	<b>20.4</b>	<b>23,281</b>	<b>0.3</b>	<b>5,807</b>	<b>0.1</b>	<b>109,084</b>	<b>1.6</b>
5110 newsprint	861,146	71.9	247	0.0	—	—	33,146	5.1
5120 paper & paperboard	123,213	4.1	21,345	0.4	1,968	0.1	69,589	1.2
5190 paper products nec	1,413	0.2	1,689	0.4	3,839	0.6	6,349	1.4
<b>Subtotal lime, cement and glass</b>	<b>3,679,807</b>	<b>10.9</b>	<b>412,622</b>	<b>26.1</b>	<b>48,245</b>	<b>0.1</b>	<b>20,653</b>	<b>1.3</b>
5210 lime	6,127	80.5	8,185	42.2	140	1.8	112	0.6
5220 cement & concrete	3,621,286	13.0	214,328	68.4	17,914	0.1	168	0.1
5240 glass & glass prod.	11,768	1.1	369	0.1	19,292	1.8	12,810	2.6
5290 misc. mineral prod.	40,626	0.8	189,740	25.1	10,899	0.2	7,563	1.0
<b>Subtotal primary iron and steel products</b>	<b>112,557</b>	<b>0.3</b>	<b>15,438</b>	<b>1.2</b>	<b>1,983,859</b>	<b>5.3</b>	<b>37,468</b>	<b>2.9</b>
5312 pig iron	59,246	1.2	4,339	16.0	233	0.0	206	0.8
5315 ferro alloys	—	—	—	—	65,552	3.9	253	0.5
5320 i&s primary forms	15,835	0.2	5,708	3.3	1,581,690	18.7	11,346	6.6
5330 i&s plates & sheets	25,444	0.2	5,184	0.9	71,734	0.6	6,051	1.0
5360 i&s bars & shapes	4,746	0.1	5	0.0	120,166	1.8	6,591	6.7
5370 i&s pipe & tube	317	0.0	118	0.0	134,968	4.0	12,427	4.0
5390 primary i&s nec	6,969	1.0	84	0.2	9,516	1.4	594	1.4
<b>Subtotal primary non-ferrous metal products</b>	<b>775,994</b>	<b>5.5</b>	<b>56,070</b>	<b>1.1</b>	<b>87,722</b>	<b>0.6</b>	<b>277,949</b>	<b>5.5</b>
5421 copper	805	0.1	42	0.0	6,896	0.6	165	0.1
5422 aluminum	46,324	2.5	40,511	11.6	1,499	0.1	11,396	3.3
5429 smelted prod. nec	307,520	17.8	12,623	0.4	61,478	3.6	241,371	7.6
5480 fab. metal products	421,345	4.6	2,894	0.2	17,849	0.2	25,017	1.7
<b>Subtotal primary wood products</b>	<b>79,441</b>	<b>4.1</b>	<b>83</b>	<b>0.0</b>	<b>238</b>	<b>0.0</b>	<b>6,027</b>	<b>1.4</b>
5540 primary wood prod.	79,441	4.1	83	0.0	238	0.0	6,027	1.4
<b>Total food and farm products</b>	<b>1,081,382</b>	<b>3.6</b>	<b>3,219,707</b>	<b>2.1</b>	<b>602,109</b>	<b>2.0</b>	<b>10,006,595</b>	<b>6.4</b>
<b>Subtotal fish</b>	<b>22,025</b>	<b>1.7</b>	<b>65,663</b>	<b>7.4</b>	<b>48,676</b>	<b>3.7</b>	<b>3,811</b>	<b>0.4</b>
6134 fish (not shellfish)	20,669	3.1	62,243	8.9	28,212	4.3	2,660	0.4
6136 shellfish	1,356	0.2	3,420	1.8	20,464	3.2	1,151	0.6
<b>Subtotal grain</b>	<b>716,523</b>	<b>46.0</b>	<b>1,578,664</b>	<b>1.8</b>	<b>710</b>	<b>0.0</b>	<b>7,546,426</b>	<b>8.5</b>
6241 wheat	145,105	98.8	405,265	1.3	78	0.1	1,380,091	4.5
6344 corn	114,678	70.5	1,115,500	2.2	589	0.4	3,140,776	6.3
6442 rice	427	0.1	—	—	24	0.0	304,715	10.1
6443 barley & rye	162,218	99.5	57,874	5.7	—	—	8	0.0
6445 oats	276,567	38.2	25	0.4	—	—	—	—
6447 sorghum grains	17,528	93.6	—	—	19	0.1	2,720,836	60.5
<b>Subtotal oilseeds</b>	<b>47,173</b>	<b>7.0</b>	<b>1,470,673</b>	<b>4.6</b>	<b>2,315</b>	<b>0.3</b>	<b>1,775,302</b>	<b>5.5</b>
6521 peanuts	—	—	—	—	43	0.0	1,043	0.6
6522 soybeans	8,325	28.1	1,470,673	5.4	100	0.3	1,738,949	6.4
6534 flaxseed	27	84.4	—	—	—	—	—	—
6590 oilseeds nec	38,821	7.4	—	—	2,172	0.4	35,310	0.7
<b>Subtotal vegetable products</b>	<b>92,495</b>	<b>3.1</b>	<b>75,587</b>	<b>1.9</b>	<b>35,824</b>	<b>1.2</b>	<b>313,291</b>	<b>7.8</b>
6653 vegetable oils	19,392	1.4	74,608	3.9	817	0.1	303,003	15.9
6654 vegetables & prod.	73,103	4.6	979	0.0	35,007	2.2	10,288	0.5
<b>Subtotal processed grain and animal feed</b>	<b>110,133</b>	<b>14.5</b>	<b>43</b>	<b>0.0</b>	<b>8,580</b>	<b>1.1</b>	<b>73,337</b>	<b>0.5</b>
6746 wheat flour	17,251	62.1	—	—	87	0.3	212	0.0
6747 grain mill products	27,001	9.4	—	—	7,640	2.7	44,791	3.4
6781 hay & fodder	42,966	82.6	25	0.0	24	0.0	—	—
6782 animal feed, prep.	22,915	5.8	18	0.0	829	0.2	28,334	0.3
<b>Subtotal other agricultural products</b>	<b>93,033</b>	<b>0.4</b>	<b>29,077</b>	<b>0.2</b>	<b>506,004</b>	<b>2.2</b>	<b>294,428</b>	<b>1.8</b>
6811 meat, fresh, frozen	8,507	0.8	5,178	0.1	3,260	0.3	9,619	0.2
6817 meat, prepared	2,545	1.9	24	0.0	71	0.1	578	0.4
6822 dairy products	3,618	0.9	154	0.0	508	0.1	18,718	5.0
6835 fish, prepared	5,264	1.7	345	0.2	476	0.2	221	0.1
6838 tallow, animal oils	2,249	9.3	596	0.1	21	0.1	173,570	14.9
6839 animals & prod. nec	2,213	1.5	806	0.1	572	0.4	1,545	0.2
6856 bananas & plantains	71	0.0	3	0.0	44	0.0	—	—
6857 fruit & nuts nec	926	0.0	2,096	0.1	7,565	0.3	13,205	0.5
6858 fruit juices	2,555	0.1	2,210	0.3	14,102	0.7	5,794	0.9
6861 sugar	21	0.0	695	1.2	25,090	1.7	421	0.7
6865 molasses	4,454	0.3	6,821	2.3	200,007	12.8	—	—
6871 coffee	596	0.0	1,298	1.3	184,354	11.5	445	0.4
6872 cocoa beans	442	0.1	22	0.1	1,776	0.2	5,889	26.8
6885 alcoholic beverages	32,314	0.9	6,130	0.8	48,787	1.4	4,997	0.7
6888 water & ice	6,661	1.2	97	0.2	93	0.0	1,109	2.2
6889 food products nec	8,068	0.4	1,788	0.1	10,408	0.6	52,643	2.0
6891 tobacco & products	135	0.1	—	—	2,521	0.9	139	0.0
6893 cotton	—	—	737	0.1	1,066	1.8	3,009	0.2

Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 2000 (continued)  
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE IMPORTS AND EXPORTS

Commodity	Canada				Mexico			
	Inbound from	%	Outbound to	%	Inbound from	%	Outbound to	%
6894 natural fibers nec	44	0.1	—	—	4,152	8.5	2,231	15.6
6899 farm products nec	12,350	6.8	77	0.0	1,131	0.6	295	0.1
<b>Total all manufactured equipment, machinery and products</b>	<b>381,891</b>	<b>0.8</b>	<b>277,056</b>	<b>2.0</b>	<b>419,468</b>	<b>0.9</b>	<b>244,258</b>	<b>1.8</b>
7110 machinery (not elec)	42,948	0.7	4,564	0.2	51,145	0.9	39,060	1.4
7120 electrical machinery	37,164	0.5	148,728	7.5	14,732	0.2	18,951	1.0
7210 vehicles & parts	12,871	0.1	2,732	0.1	181,207	2.0	34,961	1.6
7220 aircraft & parts	35	0.1	3	0.0	24	0.1	36	0.1
7230 ships & boats	2,790	3.6	12,699	10.7	395	0.5	3,514	3.0
7300 ordnance & access.	79	0.3	—	—	4	0.0	73	0.5
7400 manufac. wood prod.	60,505	8.0	5,946	2.5	1,934	0.3	1,227	0.5
7500 textile products	9,093	0.1	1,050	0.0	95,859	1.4	105,927	3.9
7600 rubber & plastic pr.	3,668	0.1	2,367	0.2	52,416	1.3	10,057	0.6
7900 manufac. prod. nec	212,738	1.4	98,967	4.6	21,752	0.1	30,452	1.4
<b>Total unknown or not elsewhere classified</b>	<b>26,370</b>	<b>0.8</b>	<b>122,310</b>	<b>3.5</b>	<b>23,412</b>	<b>0.7</b>	<b>32,358</b>	<b>0.9</b>
9900 unknown or nec	26,370	0.8	122,310	3.5	23,412	0.7	32,358	0.9

## 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
1991	2,092,108	1994	2,214,754	1997	2,333,142	2000	2,461,624
1992	2,133,310	1995	2,240,393	1998	2,339,500		
1993	2,128,221	1996	2,284,065	1999	2,322,557		

Freight Traffic, 2000 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic					
		Inbound	Outbound	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
<b>Total all commodities</b>	<b>2,461,624</b>	<b>976,784</b>	<b>415,042</b>	<b>1,069,798</b>	<b>226,938</b>	<b>114,352</b>	<b>628,445</b>	<b>94,558</b>	<b>5,505</b>
<b>Total coal</b>	<b>297,021</b>	<b>15,462</b>	<b>60,879</b>	<b>220,679</b>	<b>14,449</b>	<b>20,312</b>	<b>164,904</b>	<b>21,013</b>	—
1100 coal lignite	285,948	11,012	59,793	215,144	14,449	19,988	160,115	20,591	—
1200 coal coke	11,072	4,450	1,086	5,536	0	325	4,789	422	—
<b>Total petroleum and petroleum products</b>	<b>1,080,950</b>	<b>651,650</b>	<b>58,696</b>	<b>370,603</b>	<b>163,236</b>	<b>1,888</b>	<b>156,188</b>	<b>43,933</b>	<b>5,358</b>
<b>Subtotal crude petroleum</b>	<b>608,489</b>	<b>521,619</b>	<b>3,064</b>	<b>83,806</b>	<b>47,653</b>	—	<b>34,447</b>	<b>1,707</b>	—
2100 crude petroleum	608,489	521,619	3,064	83,806	47,653	—	34,447	1,707	—
<b>Subtotal petroleum products</b>	<b>472,461</b>	<b>130,032</b>	<b>55,633</b>	<b>286,797</b>	<b>115,584</b>	<b>1,888</b>	<b>121,741</b>	<b>42,226</b>	<b>5,358</b>
2211 gasoline	125,249	24,157	6,434	94,658	51,293	486	33,663	7,335	1,882
2221 kerosene	12,500	7,320	1,497	3,683	2,517	—	747	310	109
2330 distillate fuel oil	91,760	21,111	4,953	65,695	26,905	166	26,757	10,215	1,653
2340 residual fuel oil	131,588	40,361	12,693	78,534	23,688	234	33,190	19,830	1,592
2350 lube oil & greases	16,917	9,040	1,595	6,283	2,326	2	3,487	468	—
2410 petro. jelly & waxes	648	227	156	265	151	—	114	—	—
2429 naphtha & solvents	26,736	17,844	1,896	6,995	1,164	—	4,329	1,500	4
2430 asphalt, tar & pitch	13,889	353	58	13,479	3,369	923	8,342	734	112
2540 petroleum coke	34,965	2,926	23,508	8,531	556	39	6,748	1,188	—
2640 liquid natural gas	11,354	6,694	2,842	1,818	330	1	1,477	10	—
2990 petro. products nec	6,855	—	—	6,855	3,286	37	2,888	637	7
<b>Total chemicals and related products</b>	<b>172,363</b>	<b>38,479</b>	<b>57,888</b>	<b>75,996</b>	<b>13,755</b>	<b>148</b>	<b>50,666</b>	<b>11,414</b>	<b>13</b>
<b>Subtotal fertilizers</b>	<b>35,093</b>	<b>7,826</b>	<b>13,536</b>	<b>13,731</b>	<b>1,792</b>	<b>0</b>	<b>11,812</b>	<b>127</b>	—
3110 nitrogenous fert.	12,817	4,334	1,739	6,745	172	0	6,481	92	—
3120 phosphatic fert.	4,879	2,009	744	2,127	203	—	1,924	—	—
3130 potassic fert.	4,627	1,024	2,535	1,068	33	—	1,031	5	—
3190 fert. & mixes nec	12,770	460	8,518	3,792	1,384	0	2,376	31	—
<b>Subtotal other chemicals and related products</b>	<b>137,270</b>	<b>30,653</b>	<b>44,352</b>	<b>62,265</b>	<b>11,963</b>	<b>148</b>	<b>38,854</b>	<b>11,286</b>	<b>13</b>
3211 acyclic hydrocarbons	4,315	695	1,120	2,499	24	—	2,201	274	—
3212 benzene & toluene	8,439	1,603	225	6,611	256	—	4,094	2,261	—
3219 other hydrocarbons	20,530	851	6,188	13,491	2,591	—	9,256	1,631	13
3220 alcohols	16,924	5,794	2,649	8,481	678	—	6,017	1,786	—
3230 carboxylic acids	5,286	807	2,541	1,938	108	—	1,008	822	—
3240 nitrogen func. comp.	3,722	294	2,174	1,254	14	—	1,237	3	—
3250 organo - inorg. comp.	549	169	352	27	1	—	22	4	—
3260 organic comp. nec	8,660	4,882	2,226	1,551	210	—	1,174	168	—
3271 sulphur (liquid)	5,507	—	40	5,468	3,171	—	2,110	187	—
3272 sulphuric acid	3,100	1,155	53	1,892	7	—	1,558	327	—
3273 ammonia	6,869	4,284	716	1,868	1	—	1,853	15	—
3274 sodium hydroxide	12,258	899	4,384	6,975	1,769	—	4,380	825	—
3275 inorg. elem., oxides, & halogen salts	7,169	2,153	3,322	1,693	183	—	665	846	—
3276 metallic salts	8,007	1,146	5,751	1,110	87	148	732	143	—

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE  
BY TYPE OF TRAFFIC AND COMMODITY  
Freight Traffic, 2000 - continued

Commodity	Grand Total	Foreign		Domestic					
		Inbound	Outbound	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
3279 inorganic chem. nec	581	275	109	197	1	—	194	2	—
3281 radioactive material	40	21	17	2	2	—	—	—	—
3282 pigments & paints	830	300	495	35	33	—	2	—	—
3283 coloring mat. nec	187	107	78	2	2	—	—	—	—
3284 medicines	485	158	217	109	109	—	—	1	—
3285 perfumes & cleansers	1,273	415	741	116	112	—	4	0	—
3286 plastics	9,153	2,227	6,883	43	38	—	3	1	—
3291 pesticides	545	146	377	21	17	—	1	4	—
3292 starches, gluten, glue	1,188	385	792	10	10	—	—	—	—
3293 explosives	173	153	16	4	3	—	1	—	—
3297 chemical additives	7,506	235	1,104	6,167	2,191	—	2,002	1,973	—
3298 wood & resin chem.	519	38	219	261	156	—	106	—	—
3299 chem. products nec	3,459	1,458	1,561	440	191	—	234	14	—
<b>Total crude materials, inedible except fuels*</b>	<b>380,313</b>	<b>97,350</b>	<b>48,753</b>	<b>234,210</b>	<b>13,829</b>	<b>87,773</b>	<b>120,149</b>	<b>12,458</b>	<b>—</b>
<b>Subtotal forest products, wood and chips</b>	<b>33,111</b>	<b>5,505</b>	<b>14,131</b>	<b>13,475</b>	<b>1,910</b>	<b>0</b>	<b>9,799</b>	<b>1,765</b>	<b>—</b>
4110 rubber & gums	1,376	1,337	33	5	5	—	0	—	—
4150 fuel wood	132	8	95	29	20	—	9	—	—
4161 wood chips	12,988	354	7,012	5,623	819	0	4,781	23	—
4170 wood in the rough	12,122	957	4,375	6,790	242	0	4,806	1,742	—
4189 lumber	5,962	2,549	2,541	872	818	0	54	0	—
4190 forest products nec	531	300	75	156	7	—	149	0	—
<b>Subtotal pulp and waste paper</b>	<b>13,566</b>	<b>1,155</b>	<b>12,261</b>	<b>150</b>	<b>31</b>	<b>—</b>	<b>119</b>	<b>—</b>	<b>—</b>
4225 pulp & waste paper	13,566	1,155	12,261	150	31	—	119	—	—
<b>Subtotal soil, sand, gravel, rock and stone*</b>	<b>164,972</b>	<b>29,061</b>	<b>3,635</b>	<b>132,275</b>	<b>10,280</b>	<b>29,458</b>	<b>82,888</b>	<b>9,649</b>	<b>—</b>
4310 building stone	1,614	1,416	90	109	0	—	109	—	—
4322 limestone	67,363	10,703	2,476	54,185	1,338	27,991	24,848	8	—
4323 gypsum	13,641	10,332	213	3,096	1	737	2,354	4	—
4327 phosphate rock	3,425	—	7	3,418	3,417	—	1	—	—
4331 sand & gravel	78,907	6,611	850	71,447	5,514	730	55,567	9,635	—
4338 soil & fill dirt	22	—	—	22	10	—	9	3	—
<b>Subtotal iron ore and scrap</b>	<b>97,908</b>	<b>19,412</b>	<b>9,281</b>	<b>69,215</b>	<b>670</b>	<b>56,901</b>	<b>10,928</b>	<b>715</b>	<b>—</b>
4410 iron ore	86,699	18,012	6,054	62,634	—	56,765	5,534	334	—
4420 iron & steel scrap	11,209	1,400	3,227	6,581	670	136	5,394	381	—
<b>Subtotal marine shells</b>	<b>276</b>	<b>5</b>	<b>3</b>	<b>267</b>	<b>—</b>	<b>—</b>	<b>267</b>	<b>—</b>	<b>—</b>
4515 marine shells	276	5	3	267	—	—	267	—	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>29,236</b>	<b>19,370</b>	<b>3,135</b>	<b>6,730</b>	<b>707</b>	<b>—</b>	<b>5,999</b>	<b>25</b>	<b>—</b>
4630 copper ore	167	1	155	11	—	—	11	—	—
4650 aluminum ore	21,842	16,124	1,584	4,134	701	—	3,407	25	—
4670 manganese ore	1,127	493	4	630	—	—	630	—	—
4680 non-ferrous scrap	601	156	434	11	1	—	11	—	—
4690 non-ferrous ores nec	5,499	2,596	959	1,944	5	—	1,939	—	—
<b>Subtotal sulphur, clay and salt</b>	<b>11,340</b>	<b>4,695</b>	<b>5,133</b>	<b>1,511</b>	<b>162</b>	<b>—</b>	<b>1,335</b>	<b>15</b>	<b>—</b>
4741 sulphur, (dry)	2,096	1,181	915	0	0	—	—	—	—
4782 clay & refrac. mat.	9,244	3,513	4,219	1,511	162	—	1,335	15	—
<b>Subtotal slag</b>	<b>3,966</b>	<b>2,047</b>	<b>85</b>	<b>1,833</b>	<b>34</b>	<b>674</b>	<b>949</b>	<b>176</b>	<b>—</b>
4860 slag	3,966	2,047	85	1,833	34	674	949	176	—

\* Does not include 5.3 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, 2000 - continued

Commodity	Grand Total	Foreign		Domestic					
		Inbound	Outbound	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
<b>Subtotal other non-metal. min.</b>	<b>25,939</b>	<b>16,100</b>	<b>1,087</b>	<b>8,752</b>	<b>35</b>	<b>740</b>	<b>7,865</b>	<b>112</b>	<b>---</b>
4900 non-metal. min. nec	25,939	16,100	1,087	8,752	35	740	7,865	112	---
<b>Total primary manufactured goods</b>	<b>153,004</b>	<b>91,959</b>	<b>15,256</b>	<b>45,788</b>	<b>7,193</b>	<b>3,853</b>	<b>33,511</b>	<b>1,231</b>	<b>---</b>
<b>Subtotal paper products</b>	<b>12,114</b>	<b>4,821</b>	<b>6,846</b>	<b>447</b>	<b>243</b>	<b>0</b>	<b>204</b>	<b>0</b>	<b>---</b>
5110 newsprint	1,862	1,197	654	10	7	---	3	---	---
5120 paper & paperboard	8,884	2,995	5,741	148	43	---	105	0	---
5190 paper products nec	1,368	629	450	289	192	0	96	0	---
<b>Subtotal lime, cement and glass</b>	<b>55,897</b>	<b>33,758</b>	<b>1,584</b>	<b>20,555</b>	<b>2,466</b>	<b>3,705</b>	<b>13,470</b>	<b>914</b>	<b>---</b>
5210 lime	3,152	8	19	3,125	34	---	3,091	---	---
5220 cement & concrete	45,109	27,761	313	17,035	2,185	3,705	10,243	902	---
5240 glass & glass prod.	1,604	1,044	495	65	41	---	24	0	---
5290 misc. mineral prod.	6,031	4,946	756	330	206	0	112	12	---
<b>Subtotal primary iron and steel products</b>	<b>57,082</b>	<b>37,378</b>	<b>1,291</b>	<b>18,413</b>	<b>80</b>	<b>146</b>	<b>17,897</b>	<b>291</b>	<b>---</b>
5312 pig iron	11,389	4,955	27	6,407	---	---	6,215	192	---
5315 ferro alloys	3,101	1,677	49	1,376	---	---	1,375	1	---
5320 i&s primary forms	10,380	8,475	173	1,732	17	---	1,677	38	---
5330 i&s plates & sheets	16,373	11,739	595	4,040	2	139	3,885	14	---
5360 i&s bars & shapes	8,148	6,509	98	1,541	23	---	1,514	4	---
5370 i&s pipe & tube	4,572	3,338	309	925	24	---	867	33	---
5390 primary i&s nec	3,119	685	41	2,393	14	7	2,364	8	---
<b>Subtotal primary non-ferrous metal products</b>	<b>25,452</b>	<b>14,067</b>	<b>5,095</b>	<b>6,290</b>	<b>4,344</b>	<b>1</b>	<b>1,918</b>	<b>26</b>	<b>---</b>
5421 copper	1,439	1,246	156	37	1	---	37	---	---
5422 aluminum	2,682	1,853	350	479	7	---	472	---	---
5429 smelted prod. nec	5,132	1,726	3,155	251	7	---	242	2	---
5480 fab. metal products	16,198	9,242	1,434	5,523	4,330	1	1,167	24	---
<b>Subtotal primary wood products</b>	<b>2,458</b>	<b>1,935</b>	<b>441</b>	<b>83</b>	<b>61</b>	<b>---</b>	<b>21</b>	<b>0</b>	<b>---</b>
5540 primary wood prod.	2,458	1,935	441	83	61	---	21	0	---
<b>Total food and farm products*</b>	<b>283,299</b>	<b>30,026</b>	<b>156,333</b>	<b>96,940</b>	<b>5,811</b>	<b>307</b>	<b>90,440</b>	<b>381</b>	<b>---</b>
<b>Subtotal fish*</b>	<b>2,378</b>	<b>1,310</b>	<b>889</b>	<b>179</b>	<b>179</b>	<b>0</b>	<b>---</b>	<b>---</b>	<b>---</b>
6134 fish (not shellfish)	1,537	661	702	175	175	0	---	---	---
6136 shellfish	841	649	187	5	5	---	---	---	---
<b>Subtotal grain</b>	<b>145,171</b>	<b>1,557</b>	<b>88,973</b>	<b>54,641</b>	<b>261</b>	<b>306</b>	<b>53,973</b>	<b>101</b>	<b>---</b>
6241 wheat	43,410	147	30,378	12,885	162	306	12,368	49	---
6344 corn	88,170	163	50,048	37,960	42	---	37,873	44	---
6442 rice	5,277	342	3,026	1,908	55	---	1,853	---	---
6443 barley & rye	1,628	163	1,020	445	---	---	445	---	---
6445 oats	844	724	6	114	1	---	110	3	---
6447 sorghum grains	5,842	19	4,494	1,329	---	---	1,324	5	---
<b>Subtotal oilseeds</b>	<b>57,576</b>	<b>672</b>	<b>32,320</b>	<b>24,584</b>	<b>23</b>	<b>---</b>	<b>24,527</b>	<b>34</b>	<b>---</b>
6521 peanuts	301	120	182	0	0	---	---	---	---
6522 soybeans	47,284	30	27,013	20,242	9	---	20,211	22	---
6534 flaxseed	18	0	18	---	---	---	---	---	---
6590 oilseeds nec	9,973	523	5,107	4,342	14	---	4,315	13	---
<b>Subtotal vegetable products</b>	<b>8,934</b>	<b>3,001</b>	<b>4,039</b>	<b>1,894</b>	<b>239</b>	<b>---</b>	<b>1,618</b>	<b>38</b>	<b>---</b>
6653 vegetable oils	5,002	1,424	1,906	1,671	69	---	1,565	37	---
6654 vegetables & prod.	3,933	1,577	2,133	223	169	---	53	0	---

\* Does not include fish landings.

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE  
 BY TYPE OF TRAFFIC AND COMMODITY  
 Freight Traffic, 2000 - continued

Commodity	Grand Total	Foreign		Domestic					
		Inbound	Outbound	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
<b>Subtotal processed grain and animal feed</b>	<b>23,106</b>	<b>761</b>	<b>14,193</b>	<b>8,152</b>	<b>522</b>	<b>0</b>	<b>7,541</b>	<b>89</b>	<b>—</b>
6746 wheat flour	671	28	521	123	15	—	108	—	—
6747 grain mill products	2,366	287	1,301	778	366	0	393	19	—
6781 hay & fodder	3,402	52	3,335	15	4	—	11	—	—
6782 animal feed, prep.	16,666	394	9,036	7,236	138	—	7,029	70	—
<b>Subtotal other agricultural products</b>	<b>46,133</b>	<b>22,724</b>	<b>15,920</b>	<b>7,489</b>	<b>4,587</b>	<b>1</b>	<b>2,782</b>	<b>119</b>	<b>—</b>
6811 meat, fresh, frozen	5,327	1,070	4,080	176	176	—	0	0	—
6817 meat, prepared	292	132	142	18	18	—	—	—	—
6822 dairy products	861	401	376	85	83	—	1	0	—
6835 fish, prepared	751	306	173	272	261	—	11	—	—
6838 tallow, animal oils	1,208	24	1,166	18	7	—	7	4	—
6839 animals & prod. nec	1,207	149	1,004	55	54	0	1	—	—
6856 bananas & plantains	4,438	4,409	25	4	4	—	—	—	—
6857 fruit & nuts nec	4,869	2,384	2,450	35	34	1	0	0	—
6858 fruit juices	2,833	1,976	632	225	225	—	0	0	—
6861 sugar	3,577	1,506	57	2,014	1,093	—	859	62	—
6865 molasses	2,543	1,564	294	685	228	—	433	25	—
6871 coffee	1,716	1,609	101	6	6	—	—	—	—
6872 cocoa beans	788	762	22	4	0	—	—	3	—
6885 alcoholic beverages	4,454	3,462	730	261	195	—	66	—	—
6887 groceries	787	—	—	787	736	0	50	0	—
6888 water & ice	1,679	545	51	1,083	14	—	1,046	23	—
6889 food products nec	6,132	1,860	2,571	1,700	1,404	0	296	1	—
6891 tobacco & products	873	270	594	9	9	—	—	—	—
6893 cotton	1,300	60	1,233	6	6	—	—	—	—
6894 natural fibers nec	63	49	14	—	—	—	—	—	—
6899 farm products nec	434	183	205	46	35	—	12	—	—
<b>Total all manufactured equipment, machinery and products</b>	<b>83,605</b>	<b>48,598</b>	<b>13,762</b>	<b>21,245</b>	<b>8,621</b>	<b>43</b>	<b>11,043</b>	<b>1,404</b>	<b>134</b>
7110 machinery (not elec)	17,690	5,971	2,786	8,933	285	0	8,616	9	22
7120 electrical machinery	9,330	7,228	1,984	118	108	0	10	0	—
7210 vehicles & parts	12,238	8,876	2,162	1,200	1,180	0	20	0	—
7220 aircraft & parts	60	33	27	0	0	—	0	—	—
7230 ships & boats	205	77	119	9	6	—	3	0	—
7300 ordnance & access.	47	29	15	2	0	—	2	—	—
7400 manufac. wood prod.	1,233	761	239	234	195	0	37	1	—
7500 textile products	9,497	6,695	2,705	97	69	—	28	0	—
7600 rubber & plastic pr.	5,783	4,031	1,572	180	42	—	137	1	—
7800 empty containers	288	—	—	288	1	—	232	54	—
7900 manufac. prod. nec	27,233	14,896	2,153	10,184	6,735	43	1,957	1,338	112
<b>Total waste and scrap nec</b>	<b>4,267</b>	<b>—</b>	<b>—</b>	<b>4,267</b>	<b>1</b>	<b>0</b>	<b>1,542</b>	<b>2,724</b>	<b>—</b>
8900 waste and scrap nec	4,267	—	—	4,267	1	0	1,542	2,724	—
<b>Total unknown or not elsewhere classified</b>	<b>6,804</b>	<b>3,259</b>	<b>3,474</b>	<b>71</b>	<b>42</b>	<b>27</b>	<b>2</b>	<b>—</b>	<b>—</b>
9900 unknown or nec	6,804	3,259	3,474	71	42	27	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
1991	848,399	1994	814,319	1997	707,409	2000	645,799
1992	856,684	1995	807,727	1998	672,795		
1993	789,657	1996	764,586	1999	655,861		

Freight Traffic, 2000 (million short ton-miles)

Commodity	Grand Total	Coastwise	Lakewise	Internal	Intraport
<b>Total, all commodities</b>	<b>645,799</b>	<b>283,871</b>	<b>57,879</b>	<b>302,558</b>	<b>1,490</b>
<b>Total coal</b>	<b>80,972</b>	<b>9,384</b>	<b>10,545</b>	<b>60,510</b>	<b>533</b>
1100 coal lignite	77,538	9,384	10,370	57,274	508
1200 coal coke	3,434	0	174	3,235	24
<b>Total petroleum and petroleum products</b>	<b>248,312</b>	<b>208,780</b>	<b>613</b>	<b>38,431</b>	<b>488</b>
<b>Subtotal crude petroleum</b>	<b>91,024</b>	<b>86,886</b>	<b>—</b>	<b>4,117</b>	<b>20</b>
2100 crude petroleum	91,024	86,886	—	4,117	20
<b>Subtotal petroleum products</b>	<b>157,288</b>	<b>121,894</b>	<b>613</b>	<b>34,313</b>	<b>467</b>
2211 gasoline	64,214	55,129	165	8,825	94
2221 kerosene	4,014	3,871	—	139	3
2330 distillate fuel oil	35,234	28,378	47	6,664	145
2340 residual fuel oil	26,774	20,597	48	5,970	158
2350 lube oil & greases	7,348	4,765	0	2,580	2
2410 petro. jelly & waxes	403	332	—	71	—
2429 naphtha & solvents	3,707	2,454	—	1,240	12
2430 asphalt, tar & pitch	7,416	2,526	307	4,568	13
2540 petroleum coke	3,846	694	27	3,092	31
2640 liquid natural gas	777	270	0	506	0
2990 petro. products nec	3,548	2,872	17	654	4
<b>Total chemicals and related products</b>	<b>58,422</b>	<b>27,426</b>	<b>54</b>	<b>30,797</b>	<b>143</b>
<b>Subtotal fertilizers</b>	<b>11,424</b>	<b>1,610</b>	<b>0</b>	<b>9,812</b>	<b>1</b>
3110 nitrogenous fert.	5,723	323	0	5,398	1
3120 phosphatic fert.	1,249	159	—	1,090	—
3130 potassic fert.	643	35	—	607	0
3190 fert. & mixes nec	3,809	1,092	0	2,716	0
<b>Subtotal other chemicals and related products</b>	<b>46,997</b>	<b>25,815</b>	<b>54</b>	<b>20,984</b>	<b>141</b>
3211 acyclic hydrocarbons	800	150	—	647	1
3212 benzene & toluene	2,465	1,340	—	1,085	40
3219 other hydrocarbons	12,382	5,246	—	7,117	19
3220 alcohols	5,341	1,424	—	3,892	24
3230 carboxylic acids	786	269	—	511	5
3240 nitrogen func. comp.	870	35	—	834	0
3250 organo - inorg. comp.	4	2	—	2	0
3260 organic comp. nec	1,294	534	—	760	0
3271 sulphur (liquid)	3,242	3,067	—	172	2
3272 sulphuric acid	284	2	—	275	6
3273 ammonia	1,121	0	—	1,120	0
3274 sodium hydroxide	7,463	4,249	—	3,201	12
3275 inorg. elem., oxides, & halogen salts	864	368	—	490	5
3276 metallic salts	397	90	54	250	1
3279 inorganic chem. nec	250	1	—	249	0
3281 radioactive material	5	5	—	—	—
3282 pigments & paints	69	67	—	2	—
3283 coloring mat. nec	2	2	—	—	—
3284 medicines	164	164	—	—	0
3285 perfumes & cleansers	199	198	—	0	0
3286 plastics	72	67	—	5	0
3291 pesticides	22	20	—	1	0
3292 starches, gluten, glue	15	15	—	—	—
3293 explosives	5	5	—	0	—
3297 chemical additives	7,784	7,545	—	218	20
3298 wood & resin chem.	625	618	—	7	—
3299 chem. products nec	457	319	—	138	0
<b>Total crude materials, inedible except fuels*</b>	<b>102,559</b>	<b>7,653</b>	<b>45,162</b>	<b>49,517</b>	<b>225</b>
<b>Subtotal forest products, wood and chips</b>	<b>4,234</b>	<b>1,704</b>	<b>0</b>	<b>2,441</b>	<b>88</b>
4110 rubber & gums	7	7	—	0	—
4150 fuel wood	21	18	—	2	—
4161 wood chips	2,209	351	0	1,857	0
4170 wood in the rough	629	113	0	427	88
4189 lumber	1,228	1,201	0	27	0
4190 forest products nec	137	11	—	125	0
<b>Subtotal pulp and waste paper</b>	<b>73</b>	<b>52</b>	<b>—</b>	<b>20</b>	<b>—</b>
4225 pulp & waste paper	73	52	—	20	—
<b>Subtotal soil, sand, gravel, rock and stone*</b>	<b>35,256</b>	<b>4,465</b>	<b>9,004</b>	<b>21,662</b>	<b>123</b>
4310 building stone	47	0	—	47	—

\* Ton-miles not computed for 5.3 million short tons of waterway improvement material.

Table 2-2: SUMMARY OF WATERBORNE COMMERCE TON-MILES  
BY TYPE OF TRAFFIC AND COMMODITY  
Freight Traffic, 2000 - continued

Commodity	Grand Total	Coastwise	Lakewise	Internal	Intraport
4322 limestone	20,210	579	8,603	11,027	0
4323 gypsum	1,922	1	271	1,650	0
4327 phosphate rock	3,067	3,066	—	1	—
4331 sand & gravel	9,983	793	129	8,936	123
4338 soil & fill dirt	24	24	—	0	0
<b>Subtotal iron ore and scrap</b>	<b>45,838</b>	<b>807</b>	<b>35,740</b>	<b>9,284</b>	<b>5</b>
4410 iron ore	41,133	—	35,629	5,503	0
4420 iron & steel scrap	4,704	807	111	3,780	4
<b>Subtotal marine shells</b>	<b>30</b>	<b>—</b>	<b>—</b>	<b>30</b>	<b>—</b>
4515 marine shells	30	—	—	30	—
<b>Subtotal non-ferrous ores and scrap</b>	<b>6,535</b>	<b>478</b>	<b>—</b>	<b>6,056</b>	<b>0</b>
4630 copper ore	5	—	—	5	—
4650 aluminum ore	4,725	473	—	4,252	0
4670 manganese ore	876	—	—	876	—
4680 non-ferrous scrap	13	2	—	10	—
4690 non-ferrous ores nec	913	2	—	910	—
<b>Subtotal sulphur, clay and salt</b>	<b>669</b>	<b>45</b>	<b>—</b>	<b>623</b>	<b>0</b>
4741 sulphur, (dry)	0	0	—	—	—
4782 clay & refrac. mat.	669	45	—	623	0
<b>Subtotal slag</b>	<b>1,204</b>	<b>24</b>	<b>236</b>	<b>938</b>	<b>5</b>
4860 slag	1,204	24	236	938	5
<b>Subtotal other non-metal. min.</b>	<b>8,717</b>	<b>75</b>	<b>180</b>	<b>8,458</b>	<b>2</b>
4900 non-metal. min. nec	8,717	75	180	8,458	2
<b>Total primary manufactured goods</b>	<b>35,752</b>	<b>3,945</b>	<b>1,200</b>	<b>30,581</b>	<b>25</b>
<b>Subtotal paper products</b>	<b>622</b>	<b>488</b>	<b>0</b>	<b>134</b>	<b>0</b>
5110 newsprint	20	15	—	4	—
5120 paper & paperboard	185	91	—	93	0
5190 paper products nec	417	380	0	36	0
<b>Subtotal lime, cement and glass</b>	<b>10,947</b>	<b>1,683</b>	<b>1,197</b>	<b>8,044</b>	<b>22</b>
5210 lime	1,267	110	—	1,156	—
5220 cement & concrete	9,116	1,070	1,197	6,826	22
5240 glass & glass prod.	92	69	—	22	0
5290 misc. mineral prod.	470	432	0	38	0
<b>Subtotal primary iron and steel products</b>	<b>20,592</b>	<b>144</b>	<b>3</b>	<b>20,442</b>	<b>2</b>
5312 pig iron	7,268	—	—	7,267	1
5315 ferro alloys	1,982	—	—	1,982	0
5320 i&s primary forms	2,206	30	—	2,176	0
5330 i&s plates & sheets	3,886	2	3	3,880	0
5360 i&s bars & shapes	1,796	56	—	1,740	0
5370 i&s pipe & tube	790	35	—	755	0
5390 primary i&s nec	2,660	20	0	2,640	0
<b>Subtotal primary non-ferrous metal products</b>	<b>3,405</b>	<b>1,460</b>	<b>0</b>	<b>1,944</b>	<b>0</b>
5421 copper	37	0	—	36	—
5422 aluminum	520	8	—	511	—
5429 smelted prod. nec	308	11	—	297	0
5480 fab. metal products	2,539	1,439	0	1,098	0
<b>Subtotal primary wood products</b>	<b>184</b>	<b>168</b>	<b>—</b>	<b>16</b>	<b>0</b>
5540 primary wood prod.	184	168	—	16	0
<b>Total food and farm products*</b>	<b>102,677</b>	<b>10,885</b>	<b>301</b>	<b>91,486</b>	<b>4</b>
<b>Subtotal fish*</b>	<b>363</b>	<b>363</b>	<b>0</b>	<b>—</b>	<b>—</b>
6134 fish (not shellfish)	353	353	0	—	—
6136 shellfish	9	9	—	—	—
<b>Subtotal grain</b>	<b>56,103</b>	<b>461</b>	<b>301</b>	<b>55,339</b>	<b>1</b>
6241 wheat	8,305	235	301	7,767	0
6344 corn	45,524	83	—	45,439	0
6442 rice	1,166	139	—	1,027	—
6443 barley & rye	130	—	—	130	—
6445 oats	114	2	—	111	0
6447 sorghum grains	862	—	—	862	0
<b>Subtotal oilseeds</b>	<b>25,844</b>	<b>38</b>	<b>—</b>	<b>25,805</b>	<b>0</b>
6521 peanuts	0	0	—	—	—
6522 soybeans	21,556	15	—	21,540	0
6590 oilseeds nec	4,287	22	—	4,264	0
<b>Subtotal vegetable products</b>	<b>1,990</b>	<b>477</b>	<b>—</b>	<b>1,511</b>	<b>0</b>
6653 vegetable oils	1,577	113	—	1,463	0
6654 vegetables & prod.	412	363	—	48	0
<b>Subtotal processed grain and animal feed</b>	<b>8,890</b>	<b>1,115</b>	<b>0</b>	<b>7,774</b>	<b>1</b>
6746 wheat flour	89	42	—	47	—
6747 grain mill products	1,105	669	0	435	0
6781 hay & fodder	9	6	—	2	—
6782 animal feed, prep.	7,686	397	—	7,288	0
<b>Subtotal other agricultural products</b>	<b>9,485</b>	<b>8,429</b>	<b>0</b>	<b>1,054</b>	<b>0</b>
6811 meat, fresh, frozen	347	347	—	0	0
6817 meat, prepared	24	24	—	—	—
6822 dairy products	159	159	—	0	0
6835 fish, prepared	1,371	1,363	—	8	—

\* Ton-miles not computed for fish landings.

Table 2-2: SUMMARY OF WATERBORNE COMMERCE TON-MILES  
 BY TYPE OF TRAFFIC AND COMMODITY  
 Freight Traffic, 2000 - continued

Commodity	Grand Total	Coastwise	Lakewise	Internal	Intraport
6838 tallow, animal oils	25	12	—	12	0
6839 animals & prod. nec	70	69	0	0	—
6856 bananas & plantains	12	12	—	—	—
6857 fruit & nuts nec	78	78	0	0	0
6858 fruit juices	426	426	—	0	0
6861 sugar	2,319	1,983	—	335	0
6865 molasses	716	386	—	329	0
6871 coffee	11	11	—	—	—
6872 cocoa beans	0	0	—	—	0
6885 alcoholic beverages	559	483	—	76	—
6887 groceries	1,355	1,327	0	28	0
6888 water & ice	40	5	—	35	0
6889 food products nec	1,858	1,641	0	216	0
6891 tobacco & products	16	16	—	—	—
6893 cotton	8	8	—	—	—
6899 farm products nec	81	71	—	10	—
<b>Total all manufactured equipment, machinery and products</b>	<b>16,688</b>	<b>15,710</b>	<b>0</b>	<b>964</b>	<b>13</b>
7110 machinery (not elec)	827	591	0	235	0
7120 electrical machinery	190	181	0	8	0
7210 vehicles & parts	1,283	1,271	0	11	0
7220 aircraft & parts	0	0	—	0	—
7230 ships & boats	10	8	—	1	0
7300 ordnance & access.	0	0	—	0	—
7400 manufac. wood prod.	346	333	0	12	0
7500 textile products	197	161	—	35	0
7600 rubber & plastic pr.	170	83	—	87	0
7800 empty containers	42	1	—	40	0
7900 manufac. prod. nec	13,618	13,075	0	530	12
<b>Total waste and scrap nec</b>	<b>327</b>	<b>0</b>	<b>0</b>	<b>270</b>	<b>57</b>
8900 waste and scrap nec	327	0	0	270	57
<b>Total unknown or not elsewhere classified</b>	<b>86</b>	<b>85</b>	<b>0</b>	<b>0</b>	<b>—</b>
9900 unknown or nec	86	85	0	0	—

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
1991	749,654	1994	782,014	1997	820,432	2000	811,047
1992	762,540	1995	786,560	1998	816,843		
1993	753,287	1996	802,275	1999	806,837		

Freight Traffic, 2000 (thousand short tons)

Commodity	Total	Barge-Traffic					Domestic	
		Coastwise	Lakewise	Internal	Inraport	Intra-Territory	%-Barge	Traffic
<b>Total, all commodities</b>	<b>811,047</b>	<b>104,107</b>	<b>12,211</b>	<b>601,135</b>	<b>90,972</b>	<b>2,623</b>	<b>75.8</b>	<b>1,069,798</b>
<b>Total coal</b>	<b>197,855</b>	<b>11,728</b>	<b>253</b>	<b>164,904</b>	<b>20,970</b>	<b>—</b>	<b>89.7</b>	<b>220,679</b>
1100 coal lignite	192,644	11,728	253	160,115	20,547	—	89.5	215,144
1200 coal coke	5,211	—	—	4,789	422	—	94.1	5,536
<b>Total petroleum and petroleum products</b>	<b>251,198</b>	<b>59,593</b>	<b>1,668</b>	<b>144,710</b>	<b>42,605</b>	<b>2,623</b>	<b>67.8</b>	<b>370,603</b>
<b>Subtotal crude petroleum</b>	<b>29,368</b>	<b>982</b>	<b>—</b>	<b>26,852</b>	<b>1,534</b>	<b>—</b>	<b>35.0</b>	<b>83,806</b>
2100 crude petroleum	29,368	982	—	26,852	1,534	—	35.0	83,806
<b>Subtotal petroleum products</b>	<b>221,830</b>	<b>58,611</b>	<b>1,668</b>	<b>117,857</b>	<b>41,071</b>	<b>2,623</b>	<b>77.3</b>	<b>286,797</b>
2211 gasoline	60,754	21,492	371	31,755	6,794	342	64.2	94,658
2221 kerosene	1,496	448	—	745	303	—	40.6	3,683
2330 distillate fuel oil	50,386	14,335	127	24,998	9,857	1,069	76.7	65,695
2340 residual fuel oil	71,078	16,887	226	33,121	19,640	1,204	90.5	78,534
2350 lube oil & greases	4,276	483	—	3,377	417	—	68.1	6,283
2410 petro. jelly & waxes	160	46	—	114	—	—	60.2	265
2429 naphtha & solvents	6,151	349	—	4,309	1,493	—	87.9	6,995
2430 asphalt, tar & pitch	13,331	3,333	923	8,342	734	—	98.9	13,479
2540 petroleum coke	8,512	555	21	6,748	1,188	—	99.8	8,531
2640 liquid natural gas	1,809	326	—	1,473	10	—	99.5	1,818
2990 petro. products nec	3,877	358	—	2,876	636	7	56.6	6,855
<b>Total chemicals and related products</b>	<b>67,630</b>	<b>6,402</b>	<b>148</b>	<b>49,701</b>	<b>11,379</b>	<b>—</b>	<b>89.0</b>	<b>75,996</b>
<b>Subtotal fertilizers</b>	<b>13,664</b>	<b>1,727</b>	<b>—</b>	<b>11,810</b>	<b>127</b>	<b>—</b>	<b>99.5</b>	<b>13,731</b>
3110 nitrogenous fert.	6,715	143	—	6,481	92	—	99.6	6,745
3120 phosphatic fert.	2,127	203	—	1,924	—	—	100.0	2,127
3130 potassic fert.	1,066	32	—	1,029	5	—	99.8	1,068
3190 fert. & mixes nec	3,756	1,350	—	2,376	31	—	99.1	3,792
<b>Subtotal other chemicals and related products</b>	<b>53,966</b>	<b>4,675</b>	<b>148</b>	<b>37,891</b>	<b>11,252</b>	<b>—</b>	<b>86.7</b>	<b>62,265</b>
3211 acyclic hydrocarbons	2,476	1	—	2,201	274	—	99.1	2,499
3212 benzene & toluene	6,364	9	—	4,094	2,261	—	96.3	6,611
3219 other hydrocarbons	12,230	1,344	—	9,256	1,631	—	90.7	13,491
3220 alcohols	8,019	218	—	6,015	1,786	—	94.6	8,481
3230 carboxylic acids	1,835	5	—	1,008	822	—	94.7	1,938
3240 nitrogen func. comp.	1,240	0	—	1,237	3	—	98.9	1,254
3250 organo - inorg. comp.	26	0	—	22	4	—	96.1	27
3260 organic comp. nec	1,356	14	—	1,174	168	—	87.4	1,551
3271 sulphur (liquid)	2,756	1,372	—	1,196	187	—	50.4	5,468
3272 sulphuric acid	1,892	6	—	1,558	327	—	100.0	1,892
3273 ammonia	1,868	0	—	1,853	15	—	100.0	1,868
3274 sodium hydroxide	6,387	1,182	—	4,380	825	—	91.6	6,975
3275 inorg. elem., oxides, & halogen salts	1,546	40	—	660	846	—	91.3	1,693
3276 metallic salts	1,067	73	148	703	143	—	96.2	1,110
3279 inorganic chem. nec	196	0	—	194	2	—	99.8	197
3281 radioactive material	0	0	—	—	—	—	3.7	2
3282 pigments & paints	5	3	—	2	—	—	14.8	35
3283 coloring mat. nec	1	1	—	—	—	—	49.2	2
3284 medicines	4	3	—	—	1	—	3.2	109
3285 perfumes & cleansers	36	32	—	4	0	—	31.0	116
3286 plastics	18	13	—	3	1	—	42.0	43
3291 pesticides	6	2	—	1	4	—	29.6	21
3292 starches, gluten, glue	4	4	—	—	—	—	42.8	10
3293 explosives	2	1	—	1	—	—	51.0	4
3297 chemical additives	4,195	253	—	2,002	1,940	—	68.0	6,167
3298 wood & resin chem.	130	25	—	106	—	—	49.9	261
3299 chem. products nec	307	73	—	220	14	—	69.7	440
<b>Total crude materials, inedible except fuels</b>	<b>147,224</b>	<b>13,604</b>	<b>8,349</b>	<b>114,965</b>	<b>10,306</b>	<b>—</b>	<b>62.9</b>	<b>234,210</b>
<b>Subtotal forest products, wood and chips</b>	<b>7,439</b>	<b>1,753</b>	<b>—</b>	<b>5,629</b>	<b>57</b>	<b>—</b>	<b>55.2</b>	<b>13,475</b>
4110 rubber & gums	4	4	—	0	—	—	87.4	5
4150 fuel wood	29	19	—	9	—	—	99.4	29
4161 wood chips	5,623	819	—	4,781	23	—	100.0	5,623

Table 2-3: DOMESTIC BARGE TRAFFIC  
BY TYPE OF TRAFFIC AND COMMODITY  
Freight Traffic, 2000 - continued

Commodity	Barge-Traffic						Domestic	
	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory	%-Barge	Traffic
4170 wood in the rough	953	242	—	678	33	—	14.0	6,790
4189 lumber	717	664	—	53	0	—	82.2	872
4190 forest products nec	112	5	—	107	0	—	72.2	156
Subtotal pulp and waste paper	145	26	—	119	—	—	96.5	150
4225 pulp & waste paper	145	26	—	119	—	—	96.5	150
Subtotal soil, sand, gravel, rock and stone	106,055	10,263	3,485	82,776	9,531	—	80.2	132,275
4310 building stone	109	0	—	109	—	—	100.0	109
4322 limestone	29,561	1,336	3,369	24,848	8	—	54.6	54,185
4323 gypsum	2,358	0	—	2,354	4	—	76.2	3,096
4327 phosphate rock	3,418	3,417	—	1	—	—	100.0	3,418
4331 sand & gravel	70,593	5,506	116	55,456	9,516	—	98.8	71,447
4338 soil & fill dirt	15	3	—	9	3	—	69.2	22
Subtotal iron ore and scrap	16,783	654	4,783	10,928	417	—	24.2	69,215
4410 iron ore	10,324	—	4,753	5,534	37	—	16.5	62,634
4420 iron & steel scrap	6,459	654	30	5,393	381	—	98.1	6,581
Subtotal marine shells	267	—	—	267	—	—	100.0	267
4515 marine shells	267	—	—	267	—	—	100.0	267
Subtotal non-ferrous ores and scrap	6,729	705	—	5,999	25	—	100.0	6,730
4630 copper ore	11	—	—	11	—	—	100.0	11
4650 aluminum ore	4,133	701	—	3,407	25	—	100.0	4,134
4670 manganese ore	630	—	—	630	—	—	100.0	630
4680 non-ferrous scrap	11	—	—	11	—	—	92.5	11
4690 non-ferrous ores nec	1,944	5	—	1,939	—	—	100.0	1,944
Subtotal sulphur, clay and salt	824	156	—	654	14	—	54.5	1,511
4782 clay & refrac. mat.	824	156	—	654	14	—	54.5	1,511
Subtotal slag	1,241	34	82	949	176	—	67.7	1,833
4860 slag	1,241	34	82	949	176	—	67.7	1,833
Subtotal other non-metal. min.	7,741	13	—	7,643	85	—	88.5	8,752
4900 non-metal. min. nec	7,741	13	—	7,643	85	—	88.5	8,752
<b>Total primary manufactured goods</b>	<b>42,894</b>	<b>6,675</b>	<b>1,792</b>	<b>33,197</b>	<b>1,230</b>	<b>—</b>	<b>93.7</b>	<b>45,788</b>
Subtotal paper products	305	111	—	194	0	—	68.2	447
5110 newsprint	5	3	—	3	—	—	51.6	10
5120 paper & paperboard	122	17	—	105	0	—	82.6	148
5190 paper products nec	177	91	—	86	0	—	61.4	289
Subtotal lime, cement and glass	18,209	2,288	1,644	13,363	913	—	88.6	20,555
5210 lime	3,091	0	—	3,091	—	—	98.9	3,125
5220 cement & concrete	14,839	2,157	1,644	10,137	901	—	87.1	17,035
5240 glass & glass prod.	50	26	—	24	0	—	77.5	65
5290 misc. mineral prod.	229	105	—	112	12	—	69.5	330
Subtotal primary iron and steel products	18,270	67	146	17,766	291	—	99.2	18,413
5312 pig iron	6,407	—	—	6,215	192	—	100.0	6,407
5315 ferro alloys	1,376	—	—	1,375	1	—	100.0	1,376
5320 i&s primary forms	1,732	17	—	1,677	38	—	100.0	1,732
5330 i&s plates & sheets	4,039	0	139	3,885	14	—	100.0	4,040
5360 i&s bars & shapes	1,536	19	—	1,513	4	—	99.7	1,541
5370 i&s pipe & tube	791	19	—	739	33	—	85.6	925
5390 primary i&s nec	2,389	12	7	2,361	8	—	99.8	2,393
Subtotal primary non-ferrous metal products	6,049	4,170	1	1,853	25	—	96.2	6,290
5421 copper	37	0	—	37	—	—	98.7	37
5422 aluminum	477	4	—	472	—	—	99.5	479
5429 smelted prod. nec	246	1	—	242	2	—	97.8	251
5480 fab. metal products	5,290	4,164	1	1,102	23	—	95.8	5,523
Subtotal primary wood products	61	39	—	21	0	—	73.5	83
5540 primary wood prod.	61	39	—	21	0	—	73.5	83
<b>Total food and farm products</b>	<b>92,944</b>	<b>3,111</b>	<b>—</b>	<b>89,472</b>	<b>362</b>	<b>—</b>	<b>95.9</b>	<b>96,940</b>
Subtotal fish	25	25	—	—	—	—	14.2	179
6134 fish (not shellfish)	25	25	—	—	—	—	14.6	175
Subtotal grain	54,304	230	—	53,973	101	—	99.4	54,641
6241 wheat	12,579	162	—	12,368	49	—	97.6	12,885
6344 corn	37,959	42	—	37,873	44	—	100.0	37,960
6442 rice	1,877	24	—	1,853	—	—	98.4	1,908
6443 barley & rye	445	—	—	445	—	—	100.0	445
6445 oats	114	1	—	110	3	—	100.0	114
6447 sorghum grains	1,329	—	—	1,324	5	—	100.0	1,329
Subtotal oilseeds	24,576	15	—	24,527	34	—	100.0	24,584
6521 peanuts	0	0	—	—	—	—	49.6	0
6522 soybeans	20,242	9	—	20,211	22	—	100.0	20,242
6590 oilseeds nec	4,334	6	—	4,315	13	—	99.8	4,342

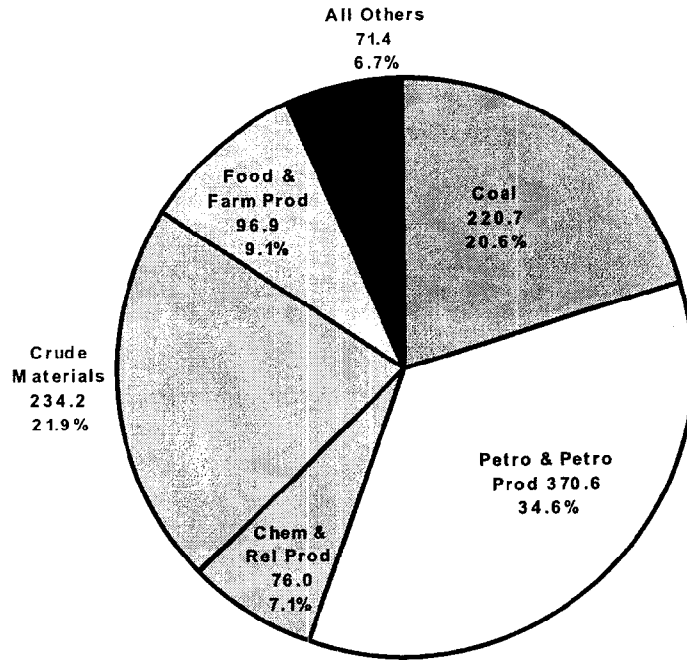
Table 2-3: DOMESTIC BARGE TRAFFIC  
BY TYPE OF TRAFFIC AND COMMODITY  
Freight Traffic, 2000 - continued

Commodity	Barge-Traffic						Domestic	
	Total	Coastwise	Lakewise	Internal	Inraport	Intra-Territory	%-Barge	Traffic
<b>Subtotal vegetable products</b>	<b>1,762</b>	<b>106</b>	—	<b>1,618</b>	<b>38</b>	—	<b>93.0</b>	<b>1,894</b>
6653 vegetable oils	1,660	58	—	1,565	37	—	99.3	1,671
6654 vegetables & prod.	102	48	—	53	0	—	45.6	223
<b>Subtotal processed grain and animal feed</b>	<b>8,019</b>	<b>407</b>	—	<b>7,541</b>	<b>71</b>	—	<b>98.4</b>	<b>8,152</b>
6746 wheat flour	111	4	—	108	—	—	90.8	123
6747 grain mill products	745	351	—	393	1	—	95.8	778
6781 hay & fodder	12	1	—	11	—	—	81.4	15
6782 animal feed, prep.	7,150	52	—	7,029	69	—	98.8	7,236
<b>Subtotal other agricultural products</b>	<b>4,259</b>	<b>2,327</b>	—	<b>1,813</b>	<b>118</b>	—	<b>56.9</b>	<b>7,489</b>
6811 meat, fresh, frozen	37	37	—	0	0	—	21.1	176
6817 meat, prepared	5	5	—	—	—	—	29.6	18
6822 dairy products	47	46	—	1	0	—	56.0	85
6835 fish, prepared	32	20	—	11	—	—	11.7	272
6838 tallow, animal oils	17	6	—	7	4	—	95.9	18
6839 animals & prod. nec	29	28	—	1	—	—	53.6	55
6857 fruit & nuts nec	6	6	—	0	0	—	16.0	35
6858 fruit juices	98	98	—	0	0	—	43.3	225
6861 sugar	1,701	779	—	859	62	—	84.5	2,014
6865 molasses	580	122	—	433	25	—	84.6	685
6871 coffee	2	2	—	—	—	—	37.7	6
6872 cocoa beans	3	—	—	—	3	—	88.0	4
6885 alcoholic beverages	120	54	—	66	—	—	46.2	261
6887 groceries	244	202	—	41	0	—	31.0	787
6888 water & ice	109	0	—	87	21	—	10.1	1,083
6889 food products nec	1,201	905	—	295	1	—	70.6	1,700
6891 tobacco & products	1	1	—	—	—	—	13.5	9
6893 cotton	0	0	—	—	—	—	8.0	6
6899 farm products nec	25	13	—	12	—	—	53.8	46
<b>Total all manufactured equipment, machinery and products</b>	<b>7,053</b>	<b>2,993</b>	<b>0</b>	<b>2,662</b>	<b>1,397</b>	—	<b>33.2</b>	<b>21,245</b>
7110 machinery (not elec)	367	86	0	275	6	—	4.1	8,933
7120 electrical machinery	51	41	—	10	0	—	43.6	118
7210 vehicles & parts	865	848	—	17	0	—	72.1	1,200
7220 aircraft & parts	0	0	—	—	—	—	46.9	0
7230 ships & boats	5	3	—	2	0	—	58.1	9
7300 ordnance & access.	2	0	—	2	—	—	93.4	2
7400 manufac. wood prod.	95	74	—	20	1	—	40.6	234
7500 textile products	42	14	—	28	0	—	43.0	97
7600 rubber & plastic pr.	154	17	—	137	1	—	85.6	180
7800 empty containers	287	0	—	232	54	—	99.8	288
7900 manufac. prod. nec	5,183	1,910	—	1,939	1,334	—	50.9	10,184
<b>Total waste and scrap nec</b>	<b>4,249</b>	<b>0</b>	—	<b>1,525</b>	<b>2,724</b>	—	<b>99.6</b>	<b>4,267</b>
8900 waste and scrap nec	4,249	0	—	1,525	2,724	—	99.6	4,267
<b>Total unknown or not elsewhere classified</b>	<b>0</b>	<b>0</b>	—	—	—	—	<b>0.4</b>	<b>71</b>
9900 unknown or nec	0	0	—	—	—	—	0.4	71

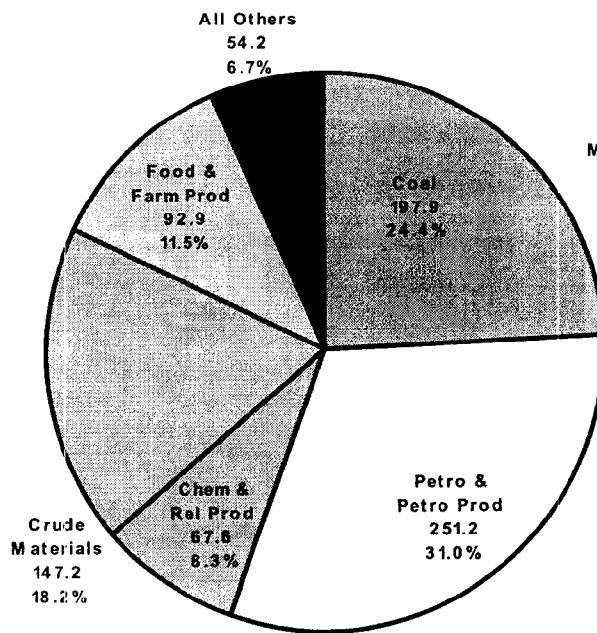


Figure 2-1  
 DOMESTIC COMMERCE, 2000  
 COMPARED BY MAJOR COMMODITY GROUPS  
 BARGE AND SELF-PROPELLED VESSEL TRAFFIC  
 (million short tons and percentage of short tons)

**Domestic Traffic**



**Barge Traffic**



**Self-Propelled Traffic**

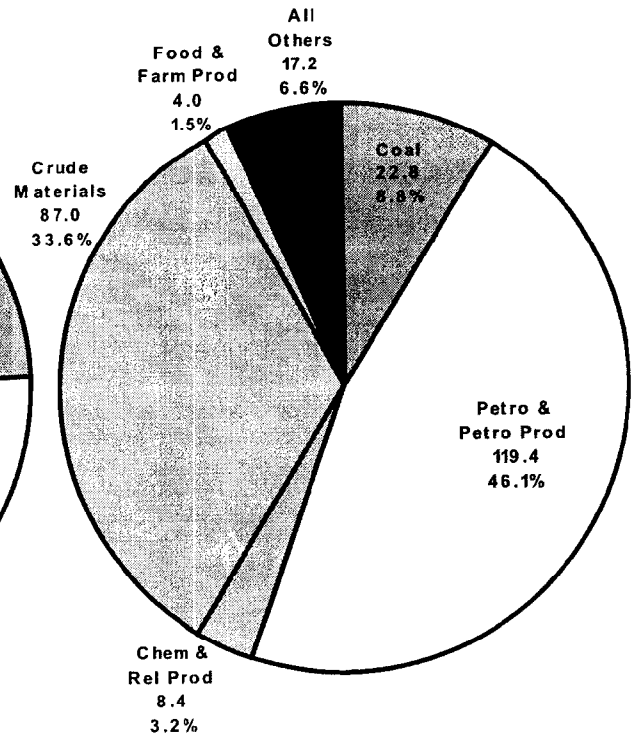
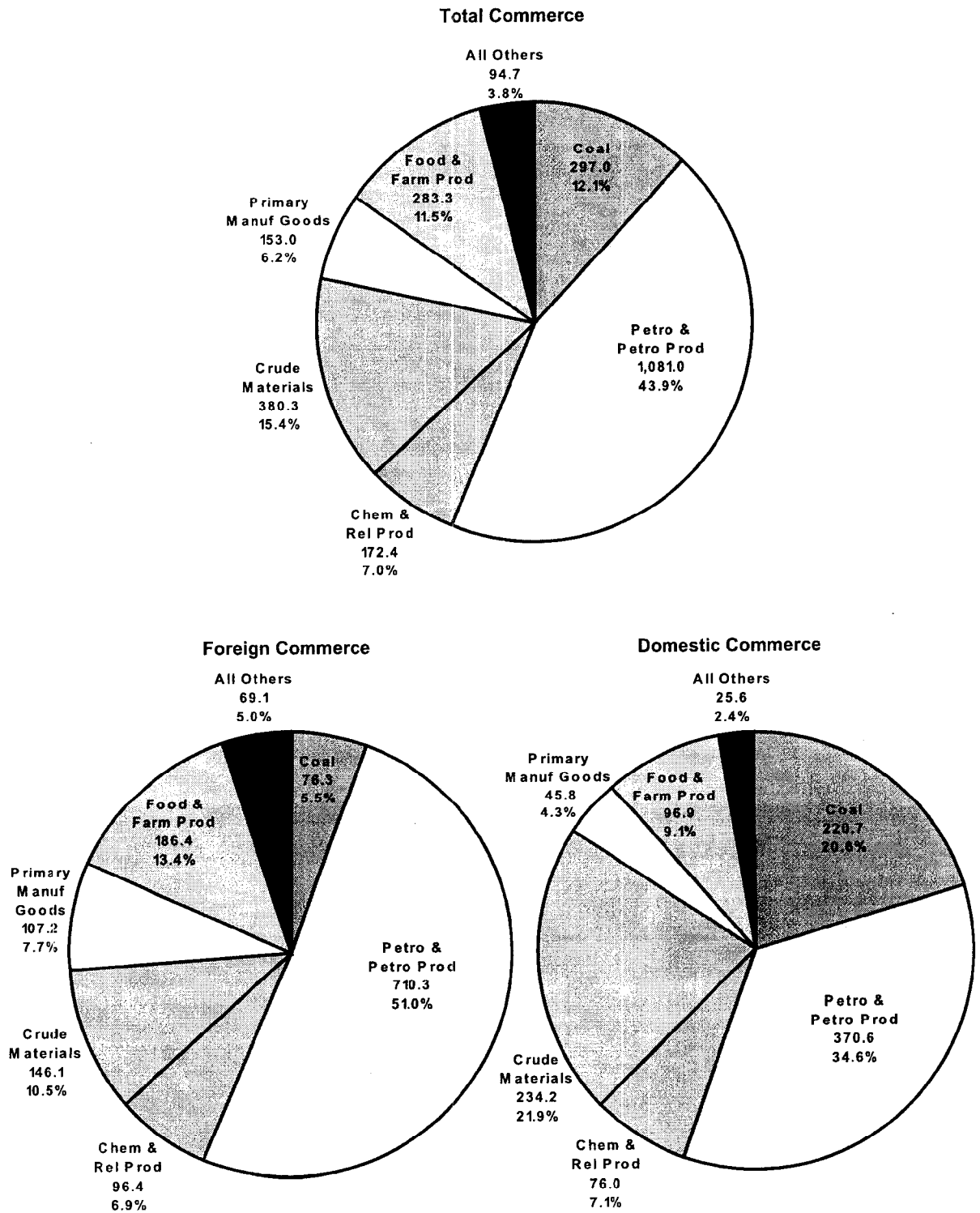


Table 2-4: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1999-2000  
(million short tons)

	1999	2000	%Change
<b>Total Commerce</b>	<b>2,322.6</b>	<b>2,461.6</b>	<b>6.0</b>
Coal	289.2	297.0	2.7
Petro & Petro Prod	979.1	1,081.0	10.4
Chem & Rel Prod	155.7	172.4	10.7
Crude Materials	386.6	380.3	-1.6
Primary Manuf Goods	147.4	153.0	3.8
Food and Farm Prod	287.9	283.3	-1.6
All Manuf Equip	71.5	83.6	16.9
Other	5.2	11.1	112.5
<b>Foreign Commerce</b>	<b>1,260.8</b>	<b>1,391.8</b>	<b>10.4</b>
Coal	70.3	76.3	8.6
Petro & Petro Prod	617.6	710.3	15.0
Chem & Rel Prod	80.3	96.4	19.9
Crude Materials	147.3	146.1	-0.8
Primary Manuf Goods	102.3	107.2	4.8
Food and Farm Prod	187.9	186.4	-0.8
All Manuf Equip	53.7	62.4	16.1
Other	1.3	6.7	419.1
<b>Domestic Commerce</b>	<b>1,061.8</b>	<b>1,069.8</b>	<b>0.8</b>
Coal	218.9	220.7	0.8
Petro & Petro Prod	361.5	370.6	2.5
Chem & Rel Prod	75.3	76.0	0.9
Crude Materials	239.3	234.2	-2.1
Primary Manuf Goods	45.0	45.8	1.7
Food and Farm Prod	100.0	96.9	-3.1
All Manuf Equip	17.8	21.2	19.4
Other	3.9	4.3	10.9

*Figure 2-2*  
**PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2000**  
 (million short tons and percentage of short tons)





## Section 3 Waterways



Figure 3-1  
MISSISSIPPI RIVER SYSTEM, 1981-2000  
BY TYPE OF TRAFFIC  
(million short tons)

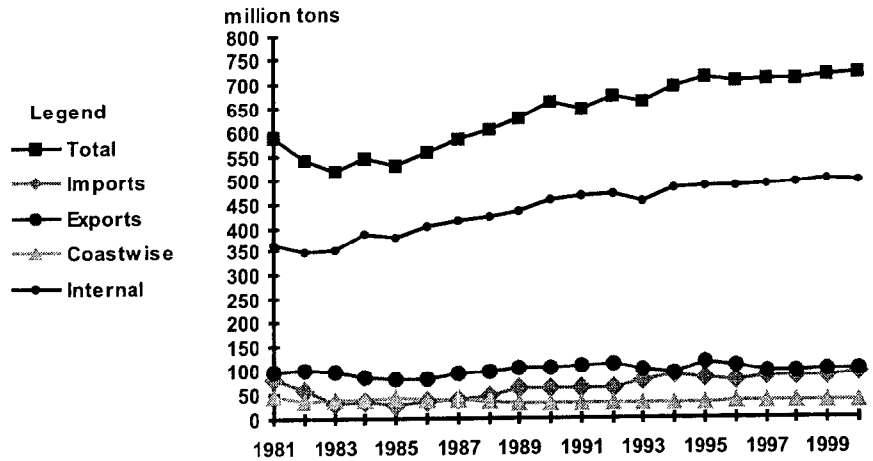


Table 3-1: MISSISSIPPI RIVER SYSTEM, 1981-2000  
BY TYPE OF TRAFFIC\*  
(million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>586.0</b>	<b>539.6</b>	<b>519.1</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>
Imports	80.1	56.7	32.3	34.1	27.0	35.1	38.1	45.3	59.9	63.1
Exports	98.3	100.8	95.8	85.9	81.0	81.1	93.7	97.5	104.0	106.0
Coastwise	44.7	34.7	39.1	36.7	40.9	37.4	37.4	35.8	31.1	32.6
Internal	362.9	347.5	352.0	386.6	378.9	402.8	414.2	423.0	431.5	457.5

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>646.6</b>	<b>673.1</b>	<b>660.4</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>718.8</b>
Imports	60.1	63.0	76.9	89.8	81.5	77.3	83.5	85.2	83.5	91.0
Exports	109.9	112.3	100.0	92.4	115.8	108.7	98.5	94.7	99.2	100.5
Coastwise	31.3	32.3	31.8	32.4	30.6	33.0	36.3	36.7	34.6	34.1
Internal	445.1	465.4	451.7	478.7	479.4	482.8	488.9	490.7	499.6	493.1

\*Imports include Upbound Thru Traffic. Exports include Downbound Thru Traffic.

Figure 3-2  
MISSISSIPPI RIVER SYSTEM, 1981-2000  
ALL TRAFFIC BY COMMODITY GROUP  
(million short tons)

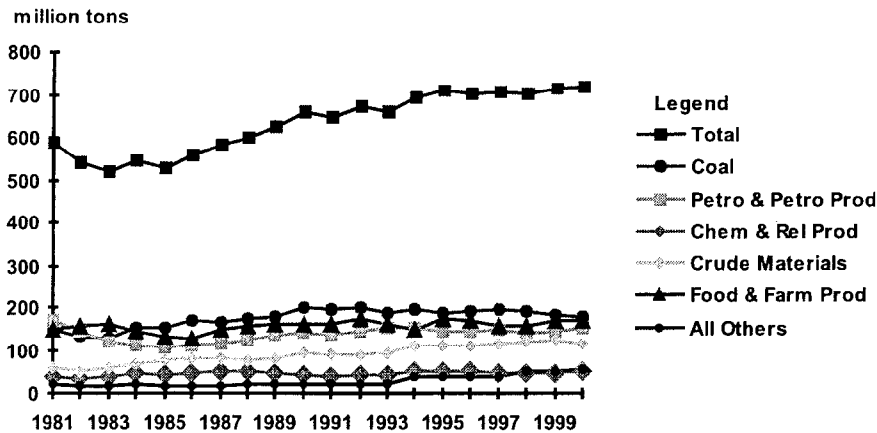


Table 3-2: MISSISSIPPI RIVER SYSTEM, 1981-2000  
ALL TRAFFIC BY COMMODITY GROUP  
(million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>586.0</b>	<b>539.6</b>	<b>519.1</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>
Coal	149.6	133.1	129.0	153.0	152.0	171.1	167.9	173.8	180.3	200.8
Petro & Petro Prod	169.8	146.4	118.7	110.5	107.6	112.1	116.9	124.4	138.2	140.9
Chem & Rel Prod	37.3	32.7	37.8	45.7	44.4	48.6	50.6	50.8	45.8	41.8
Crude Materials	61.0	52.4	58.3	68.2	75.6	80.0	79.5	78.6	82.6	92.8
Primary Manuf Goods	17.2	13.4	14.2	18.6	16.5	17.5	17.1	18.3	18.1	18.3
Food & Farm Prod	147.9	159.4	159.8	146.5	130.6	125.8	150.4	156.4	160.1	163.4
All Manuf Equip	1.2	0.8	0.7	0.6	0.7	0.8	0.6	0.8	1.1	1.0
Other	2.1	1.5	0.7	0.4	0.4	0.3	0.4	0.4	0.4	0.1

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>646.6</b>	<b>673.1</b>	<b>660.4</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>718.8</b>
Coal	197.5	199.7	186.1	194.2	188.1	192.3	194.2	191.5	182.4	177.2
Petro & Petro Prod	137.9	144.6	153.0	153.6	146.2	143.0	150.3	141.6	143.0	153.3
Chem & Rel Prod	40.0	42.0	43.5	50.3	51.4	49.9	48.9	47.4	46.6	50.3
Crude Materials	89.0	91.1	95.4	109.7	108.3	111.0	116.6	120.5	121.9	115.8
Primary Manuf Goods	19.4	18.9	21.6	36.5	37.3	34.6	36.7	46.5	49.8	50.4
Food & Farm Prod	161.9	175.7	159.6	147.7	174.5	168.3	157.6	157.0	171.2	169.0
All Manuf Equip	0.8	0.9	1.1	1.1	1.2	2.5	2.5	2.6	1.8	2.1
Other	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.7



Figure 3-3  
MISSISSIPPI RIVER SYSTEM, 1981-2000  
INTERNAL TRAFFIC BY COMMODITY GROUP  
(million short tons)

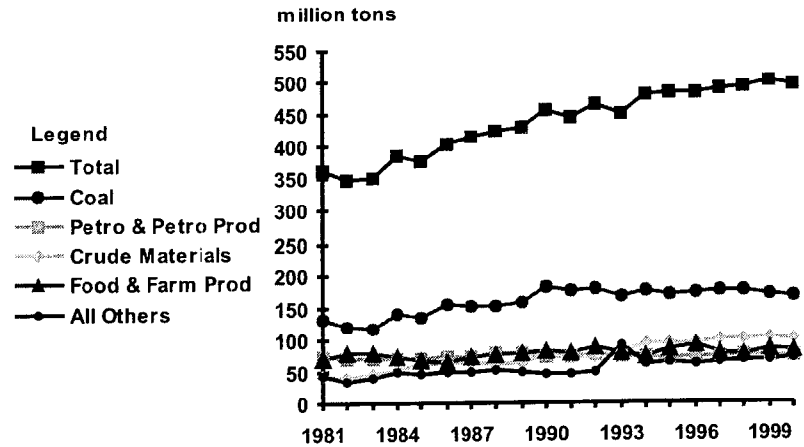


Table 3-3: MISSISSIPPI RIVER SYSTEM, 1981-2000  
INTERNAL TRAFFIC BY COMMODITY GROUP  
(million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>362.9</b>	<b>347.5</b>	<b>352.0</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>
Coal	130.6	121.2	117.0	141.3	135.8	153.6	151.1	153.3	159.4	180.1
Petro & Petro Prod	72.3	69.1	69.1	70.0	70.1	72.7	73.8	78.2	79.0	74.1
Chem & Rel Prod	28.6	24.4	28.5	34.3	33.4	35.7	36.7	37.7	34.6	31.1
Crude Materials	44.9	42.3	46.7	52.9	60.7	63.7	65.0	62.3	65.7	75.2
Primary Manuf Goods	12.6	9.8	10.8	13.7	12.4	13.0	13.1	13.6	13.9	14.3
Food & Farm Prod	71.2	78.9	78.9	73.7	65.9	63.2	73.9	77.1	77.9	82.0
All Manuf Equip	0.6	0.4	0.3	0.4	0.3	0.5	0.3	0.5	0.7	0.6
Other	2.1	1.4	0.6	0.3	0.3	0.3	0.3	0.3	0.3	0.1

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>445.1</b>	<b>465.4</b>	<b>451.7</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>
Coal	174.3	178.4	167.8	176.7	169.4	173.3	174.9	174.8	169.3	166.0
Petro & Petro Prod	72.0	76.7	73.7	72.6	71.7	71.9	74.0	74.8	73.2	73.1
Chem & Rel Prod	30.7	33.2	34.4	38.7	39.0	37.8	38.1	36.7	36.2	36.1
Crude Materials	72.5	74.2	79.1	92.4	90.5	93.4	98.2	98.4	102.8	100.2
Primary Manuf Goods	14.8	14.5	15.5	22.9	23.8	22.3	23.4	27.2	30.7	32.5
Food & Farm Prod	80.3	87.7	80.4	74.5	84.1	81.7	77.9	76.5	85.7	83.0
All Manuf Equip	0.5	0.5	0.7	0.7	0.8	2.1	2.2	2.2	1.5	1.5
Other	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.6

Table 3-4: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1999-2000  
 FOR THE MISSISSIPPI RIVER SYSTEM  
 (million short tons)

	1999	2000	%Change
<b>Foreign Commerce</b>	<b>182.7</b>	<b>191.5</b>	4.8
Coal	4.7	2.3	-49.7
Petro & Petro Prod	52.6	61.9	17.6
Chem & Rel Prod	7.2	11.1	54.3
Crude Materials	14.0	12.4	-11.5
Primary Manuf Goods	19.1	17.9	-6.1
Food & Farm Prod	84.8	85.3	0.6
Other	0.4	0.6	44.8
<b>Coastwise Traffic</b>	<b>34.6</b>	<b>34.1</b>	-1.5
Coal	8.4	8.9	5.1
Petro & Petro Prod	17.2	18.3	6.5
Chem & Rel Prod	3.2	3.0	-6.7
Crude Materials	5.1	3.3	-36.2
Primary Manuf Goods	0.0	0.0	50.9
Food & Farm Prod	0.7	0.7	-2.4
Other	0.0	0.0	578.8
<b>Internal Traffic</b>	<b>499.6</b>	<b>493.1</b>	-1.3
Coal	169.3	166.0	-1.9
Petro & Petro Prod	73.2	73.1	-0.1
Chem & Rel Prod	36.2	36.1	-0.2
Crude Materials	102.8	100.2	-2.5
Primary Manuf Goods	30.7	32.5	5.9
Food & Farm Prod	85.7	83.0	-3.2
Other	1.6	2.2	34.8

Figure 3-4  
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2000  
 FOR THE MISSISSIPPI RIVER SYSTEM  
 (million short tons and percentage of short tons)

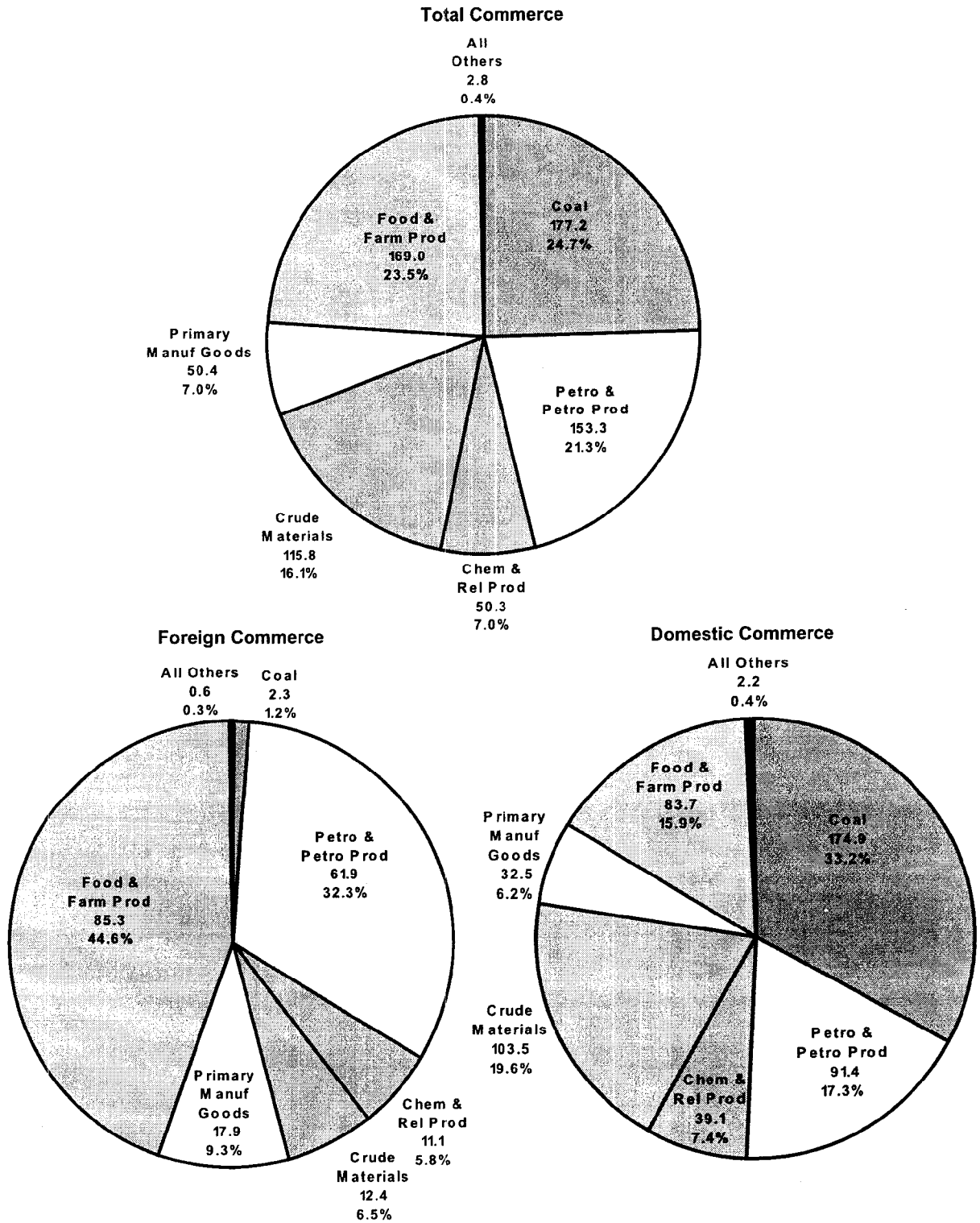


Figure 3-5  
MISSISSIPPI RIVER MAIN STEM, 1981-2000  
BY TYPE OF TRAFFIC  
(million short tons)

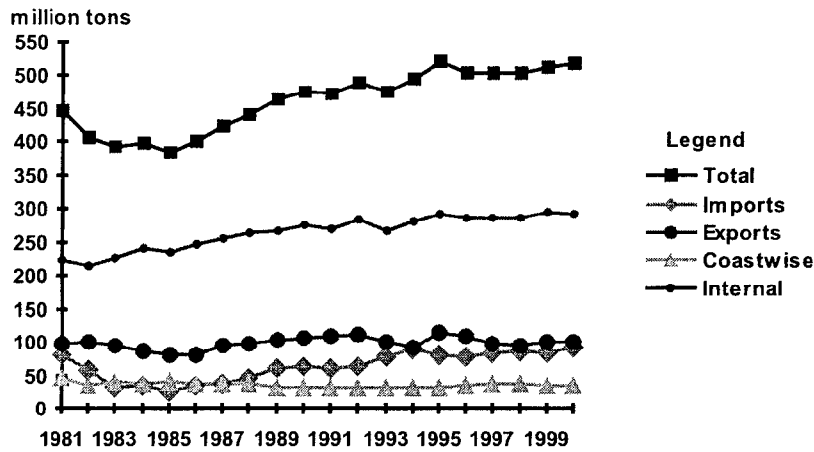


Table 3-5: MISSISSIPPI RIVER MAIN STEM, 1981-2000  
BY TYPE OF TRAFFIC\*  
(million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>446.4</b>	<b>407.6</b>	<b>392.1</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>
Imports	80.1	56.7	32.3	34.1	27.0	35.1	38.1	45.3	59.9	63.1
Exports	98.3	100.8	95.8	85.9	81.0	81.1	93.7	97.5	104.0	106.0
Coastwise	44.7	34.7	39.1	36.9	40.9	37.4	37.4	35.8	31.1	32.6
Internal	223.3	215.4	225.0	240.4	235.0	246.3	255.8	262.9	267.8	273.6

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>471.7</b>	<b>491.0</b>	<b>475.1</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>518.9</b>
Imports	60.1	63.0	76.9	89.8	81.5	77.3	83.5	85.2	83.5	91.0
Exports	109.9	112.3	100.0	92.4	115.8	108.7	98.5	94.7	99.2	100.5
Coastwise	31.3	32.4	31.8	32.4	30.6	33.0	36.3	36.7	34.6	34.1
Internal	270.3	283.3	266.5	282.2	292.4	286.5	286.5	287.3	295.0	293.3

\*Imports include Upbound Thru Traffic. Exports include Downbound Thru Traffic.

Figure 3-6  
MISSISSIPPI RIVER MAIN STEM, 1981-2000  
BY COMMODITY GROUP  
(million short tons)

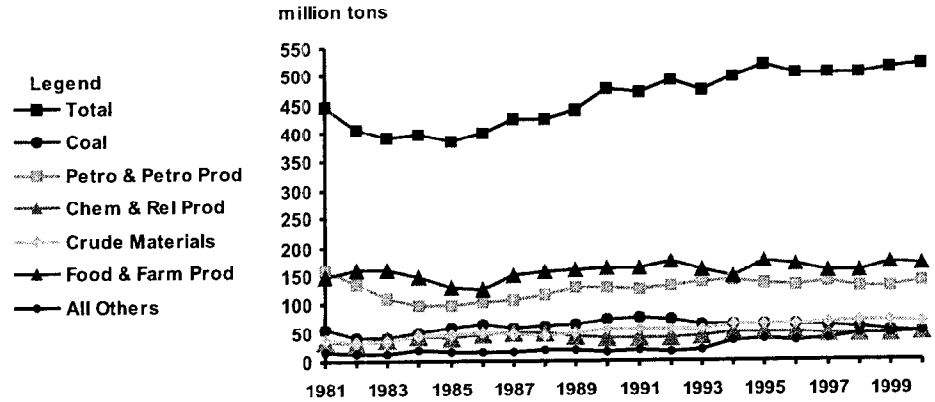


Table 3-6: MISSISSIPPI RIVER MAIN STEM, 1981-2000  
BY COMMODITY GROUP  
(million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>446.4</b>	<b>407.6</b>	<b>392.1</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>
Coal	53.9	41.1	41.2	49.7	56.8	62.9	59.3	62.3	63.7	73.7
Petro & Petro Prod	158.2	135.4	108.8	99.2	96.7	102.6	107.3	115.3	128.8	127.7
Chem & Rel Prod	34.8	30.9	36.0	43.0	41.1	46.2	47.9	48.3	44.0	40.3
Crude Materials	36.4	29.2	34.2	42.7	44.9	47.4	45.7	43.7	50.4	55.1
Primary Manuf Goods	14.4	11.5	12.1	16.3	14.3	15.3	14.8	15.8	15.4	15.3
Food & Farm Prod	147.3	158.6	158.8	145.6	129.1	124.4	149.0	155.1	158.8	162.1
All Manuf Equip	1.1	0.7	0.6	0.6	0.7	0.8	0.6	0.8	1.1	1.0
Other	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.4	0.1

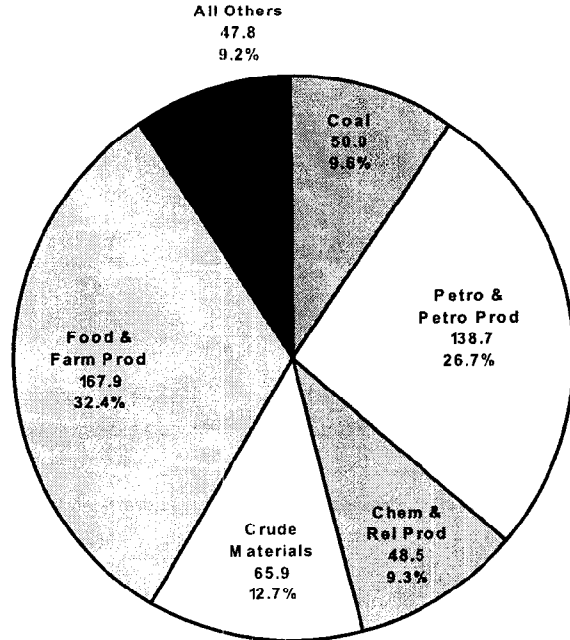
	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>471.7</b>	<b>491.0</b>	<b>475.1</b>	<b>496.8</b>	<b>520.3</b>	<b>505.6</b>	<b>504.7</b>	<b>503.9</b>	<b>512.3</b>	<b>518.9</b>
Coal	77.2	73.1	64.1	65.4	64.6	63.3	61.7	59.2	52.0	50.0
Petro & Petro Prod	124.4	130.8	138.4	139.4	133.0	130.2	136.6	127.7	129.3	138.7
Chem & Rel Prod	38.4	40.4	41.6	48.6	49.7	48.4	47.2	45.7	45.0	48.5
Crude Materials	53.8	55.5	54.3	63.5	65.0	63.5	66.8	69.7	69.4	65.9
Primary Manuf Goods	16.4	15.7	18.3	32.9	34.0	31.0	33.5	43.1	45.0	45.9
Food & Farm Prod	160.6	174.4	157.4	145.9	172.8	167.0	156.5	155.9	169.9	167.9
All Manuf Equip	0.8	0.9	1.0	0.9	1.0	2.0	2.2	2.3	1.6	1.7
Other	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.3

Table 3-7: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1999-2000  
 FOR THE MISSISSIPPI RIVER MAIN STEM  
 (million short tons)

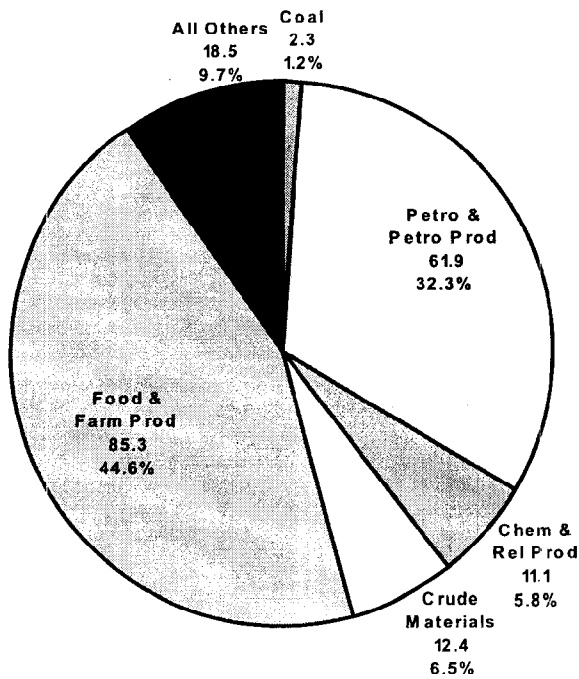
	1999	2000	%Change
<b>Total Commerce</b>	<b>512.3</b>	<b>518.9</b>	<b>1.3</b>
Coal	52.0	50.0	-3.8
Petro & Petro Prod	129.3	138.7	7.3
Chem & Rel Prod	45.0	48.5	7.8
Crude Materials	69.4	65.9	-5.0
Primary Manuf Goods	45.0	45.9	1.9
Food & Farm Prod	169.9	167.9	-1.2
Other	1.8	2.0	12.3
<b>Foreign Commerce</b>	<b>182.7</b>	<b>191.5</b>	<b>4.8</b>
Coal	4.7	2.3	-49.7
Petro & Petro Prod	52.6	61.9	17.6
Chem & Rel Prod	7.2	11.1	54.3
Crude Materials	14.0	12.4	-11.5
Primary Manuf Goods	19.1	17.9	-6.1
Food & Farm Prod	84.8	85.3	0.6
Other	0.4	0.6	44.8
<b>Domestic Commerce</b>	<b>329.6</b>	<b>327.4</b>	<b>-0.7</b>
Coal	47.3	47.7	0.8
Petro & Petro Prod	76.7	76.8	0.2
Chem & Rel Prod	37.8	37.4	-1.1
Crude Materials	55.5	53.6	-3.4
Primary Manuf Goods	25.9	28.0	7.9
Food & Farm Prod	85.1	82.6	-3.0
Other	1.4	1.4	2.4

Figure 3-7  
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2000  
 FOR THE MISSISSIPPI RIVER MAIN STEM  
 (million short tons and percentage of short tons)

**Total Commerce**



**Foreign Commerce**



**Domestic Commerce**

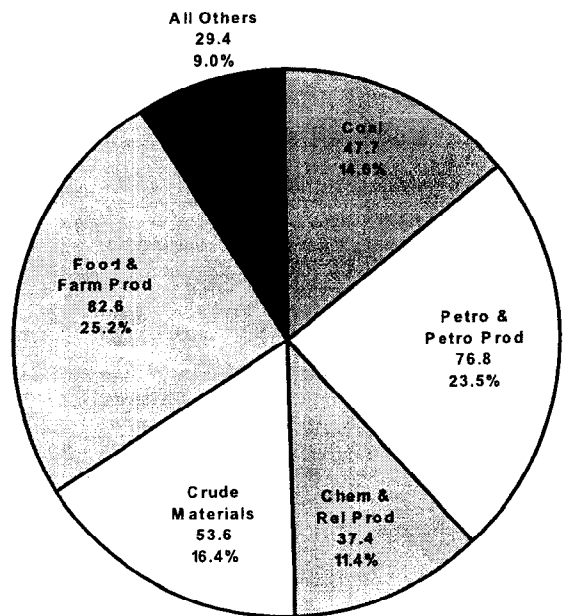


Figure 3-8  
OHIO RIVER SYSTEM, 1981-2000  
BY COMMODITY GROUP  
(million short tons)

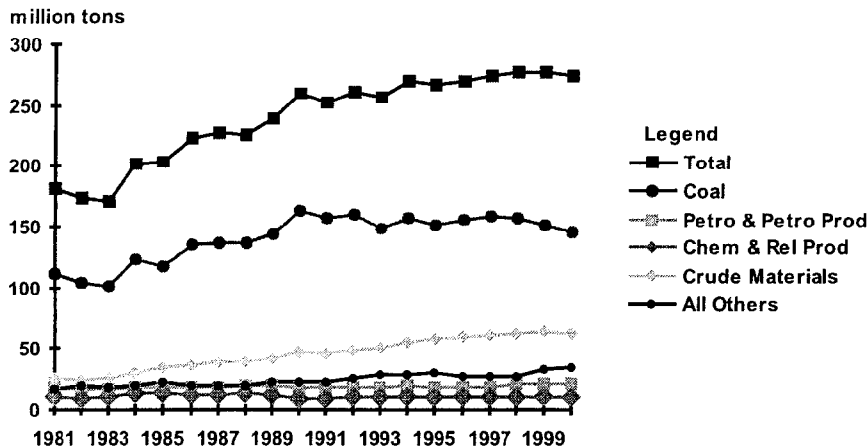


Table 3-8: OHIO RIVER SYSTEM, 1981-2000  
BY COMMODITY GROUP  
(million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>181.9</b>	<b>174.0</b>	<b>171.2</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>
Coal	111.6	104.6	100.7	122.5	117.3	135.9	137.3	136.7	144.6	163.0
Petro & Petro Prod	17.9	17.1	16.5	17.9	17.1	17.6	18.2	18.6	18.8	18.3
Chem & Rel Prod	11.1	9.3	10.9	13.2	12.9	12.4	12.6	13.3	11.7	9.1
Crude Materials	24.7	23.4	24.8	29.4	34.9	36.4	39.0	38.1	41.0	47.0
Primary Manuf Goods	6.1	4.7	5.3	6.6	6.2	6.1	6.1	6.5	7.0	7.2
Food & Farm Prod	10.3	14.8	13.0	12.5	15.4	13.8	13.5	12.5	15.2	15.3
Other	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>251.9</b>	<b>261.4</b>	<b>257.3</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>
Coal	156.8	159.8	149.0	157.9	151.7	156.5	158.4	156.9	150.8	146.1
Petro & Petro Prod	17.8	18.0	18.1	18.9	18.2	17.7	18.3	20.7	21.1	20.8
Chem & Rel Prod	9.4	10.0	10.4	10.6	10.7	9.8	10.1	10.3	10.3	10.9
Crude Materials	45.3	49.1	51.1	55.3	57.9	60.0	61.5	62.6	63.6	62.0
Primary Manuf Goods	7.4	7.5	8.6	11.2	11.6	11.7	11.1	12.7	16.1	17.7
Food & Farm Prod	15.0	16.9	20.0	16.6	17.4	15.0	15.3	14.7	15.8	16.4
Other	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.1	0.1	0.5



Figure 3-9  
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2000  
 FOR THE OHIO RIVER SYSTEM  
 (million short tons and percentage of short tons)

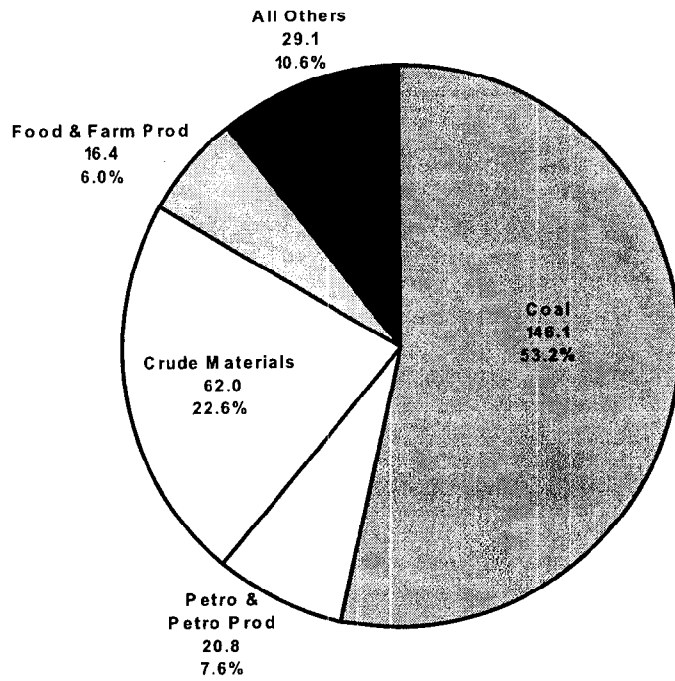


Table 3-9: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1999-2000  
 FOR THE OHIO RIVER SYSTEM  
 (million short tons)

	1999	2000	%Change
<b>Total Commerce</b>	<b>277.9</b>	<b>274.4</b>	<b>-1.3</b>
Coal	150.8	146.1	-3.1
Petroleum & Petroleum Products	21.1	20.8	-1.7
Chemicals & Related Products	10.3	10.9	5.9
Crude Materials	63.6	62.0	-2.6
Primary Manufactured Goods	16.1	17.7	9.9
Food & Farm Products	15.8	16.4	3.2
Other	0.1	0.5	940.4

Figure 3-10  
GREAT LAKES, 1981-2000  
BY TYPE OF TRAFFIC  
(million short tons)

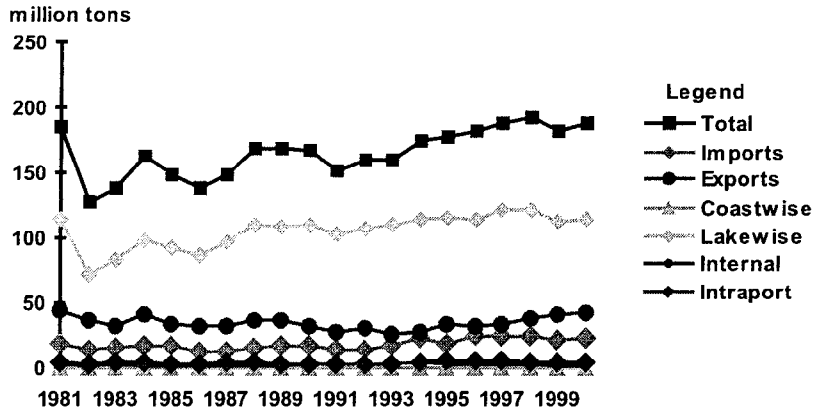


Table 3-10: GREAT LAKES, 1981-2000  
BY TYPE OF TRAFFIC\*  
(million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>185.1</b>	<b>127.4</b>	<b>138.2</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>
Imports	19.7	14.1	16.1	17.8	17.1	13.8	13.9	15.9	17.8	17.6
Exports	43.5	36.3	32.3	40.9	34.2	32.0	32.1	36.6	37.1	32.9
Coastwise	0.0	-	-	0.0	0.0	-	0.0	-	0.0	0.0
Lakewise	115.4	72.1	83.5	98.0	92.0	87.4	96.5	109.7	109.1	110.2
Internal	2.8	1.9	2.5	1.8	2.2	1.7	1.4	1.6	1.7	3.1
Inraport	3.7	3.0	3.8	4.2	2.7	3.0	4.3	5.0	3.3	3.4

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>151.1</b>	<b>159.9</b>	<b>159.6</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>
Imports	14.2	15.4	18.1	23.1	18.9	24.5	24.5	25.6	22.2	23.9
Exports	27.5	30.4	25.8	27.8	33.5	32.8	33.7	37.9	40.8	42.9
Coastwise	-	0.0	0.0	0.0	-	-	-	-	-	0.0
Lakewise	103.4	107.4	109.9	114.8	116.2	115.0	122.8	122.2	113.9	114.4
Internal	3.2	3.4	3.1	4.6	3.6	3.3	2.3	2.3	1.5	2.1
Inraport	2.7	3.3	2.8	5.0	5.5	6.2	5.2	4.3	4.4	4.2

\* Exports include Great Lakes Thru Foreign Traffic.

Figure 3-11  
 GREAT LAKES, 1981-2000  
 BY COMMODITY GROUP  
 (million short tons)

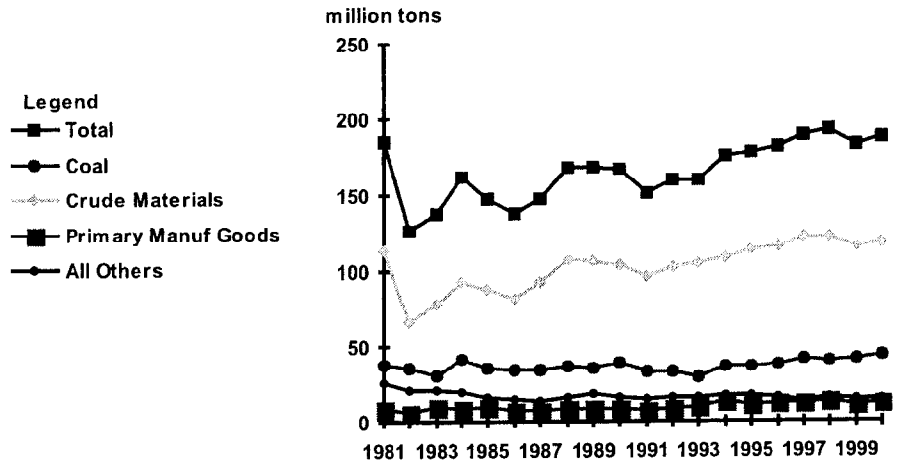


Table 3-11: GREAT LAKES, 1981-2000  
 BY COMMODITY GROUP  
 (million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>185.1</b>	<b>127.4</b>	<b>138.2</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>
Coal	38.1	35.4	31.0	41.6	34.8	34.1	33.6	36.7	35.7	39.4
Petro & Petro Prod	7.5	5.9	5.3	5.5	5.1	5.3	4.9	6.5	6.3	6.4
Chem & Rel Prod	2.9	2.6	2.2	2.6	2.7	2.4	2.3	2.4	2.5	2.7
Crude Materials	112.8	65.3	77.5	92.2	88.2	81.3	93.1	107.5	106.2	103.1
Primary Manuf Goods	8.3	6.1	9.5	9.1	9.5	7.8	7.6	8.1	8.7	8.4
Food & Farm Prod	15.2	11.8	9.8	11.6	7.6	6.8	6.4	7.1	8.6	6.2
All Manuf Equip	0.4	0.3	2.8	0.2	0.2	0.2	0.2	0.4	0.8	1.0
Other	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1	0.1

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>151.1</b>	<b>159.9</b>	<b>159.6</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>
Coal	32.8	33.4	29.2	36.7	36.3	37.8	40.9	40.4	41.6	43.3
Petro & Petro Prod	5.5	5.8	5.2	5.9	5.5	6.2	5.6	6.5	4.9	4.6
Chem & Rel Prod	2.2	1.9	1.7	1.6	1.6	1.5	1.4	1.3	1.3	2.0
Crude Materials	96.5	102.2	104.5	108.4	113.1	115.9	121.8	122.3	115.3	117.9
Primary Manuf Goods	7.6	8.3	9.7	13.1	11.1	12.1	12.2	13.4	11.3	11.7
Food & Farm Prod	5.2	6.9	7.6	8.6	10.0	8.1	6.5	8.1	8.3	7.7
All Manuf Equip	1.1	1.3	1.4	0.8	0.2	0.2	0.2	0.2	0.2	0.1
Other	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.1

Table 3-12: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1999-2000  
FOR THE GREAT LAKES  
(million short tons)

	1999	2000	%Change
<b>Total Commerce</b>	<b>182.9</b>	<b>187.5</b>	<b>2.5</b>
Coal	41.6	43.3	4.2
Petro & Petro Prod	4.9	4.6	-6.3
Chem & Rel Prod	1.3	2.0	62.0
Crude Materials	115.3	117.9	2.2
Primary Manuf Goods	11.3	11.7	3.7
Food and Farm Prod	8.3	7.7	-7.0
Other	0.2	0.2	4.2
<b>Foreign Commerce</b>	<b>63.1</b>	<b>66.9</b>	<b>5.9</b>
Coal	20.0	21.8	8.8
Petro & Petro Prod	1.2	1.5	21.4
Chem & Rel Prod	0.8	1.6	90.8
Crude Materials	25.8	27.3	5.9
Primary Manuf Goods	7.1	7.2	1.0
Food and Farm Prod	7.9	7.3	-7.3
Other	0.2	0.2	-11.9
<b>Domestic Commerce</b>	<b>119.8</b>	<b>120.6</b>	<b>0.7</b>
Coal	21.5	21.5	-0.1
Petro & Petro Prod	3.7	3.1	-15.4
Chem & Rel Prod	0.4	0.5	8.8
Crude Materials	89.5	90.6	1.2
Primary Manuf Goods	4.2	4.5	8.3
Food and Farm Prod	0.4	0.4	0.5
Other	0.0	0.0	350.0

Figure 3-12  
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2000  
 FOR THE GREAT LAKES  
 (million short tons and percentage of tons)

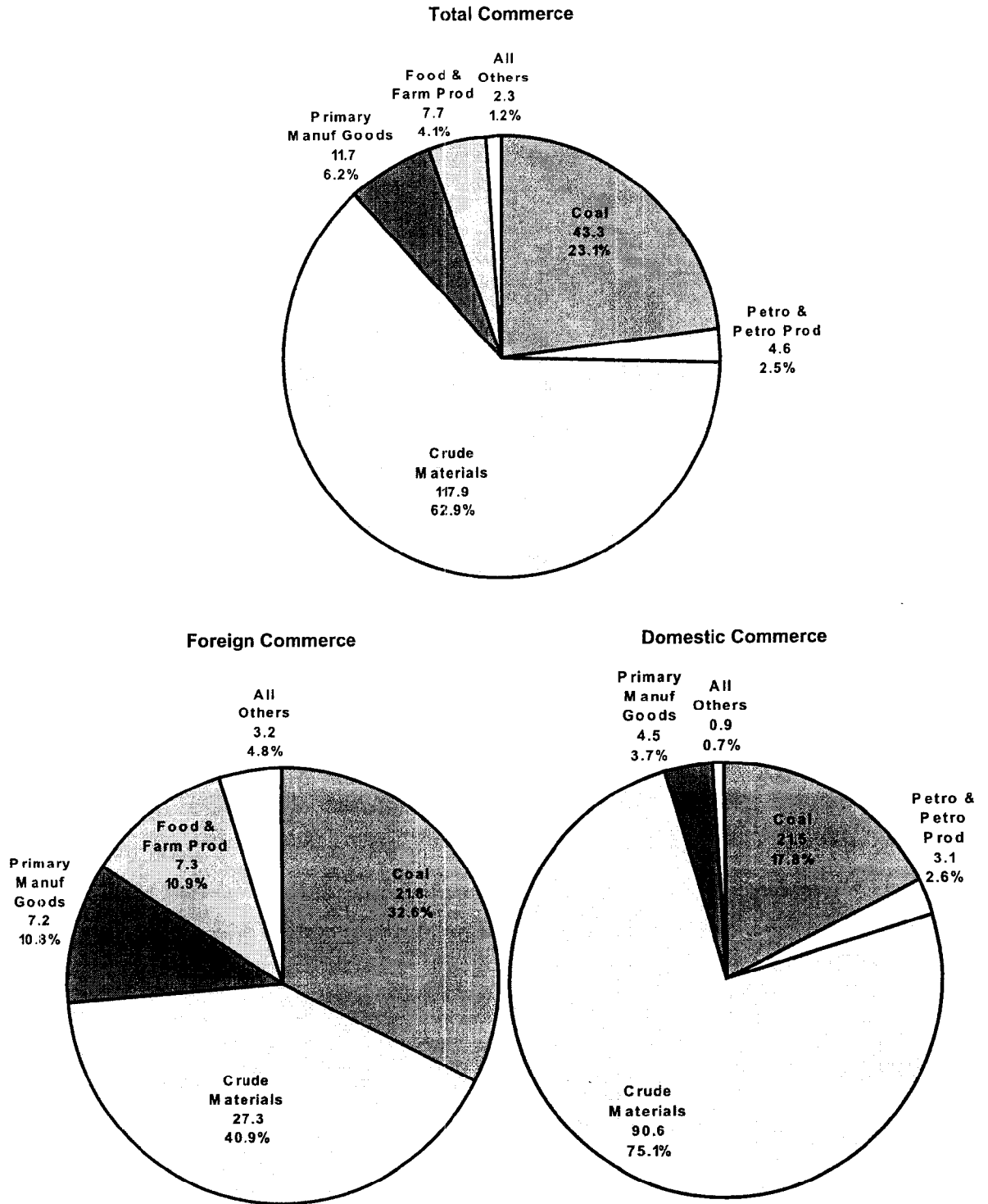


Figure 3-13  
 GULF INTRACOASTAL WATERWAY, 1981-2000  
 BY TYPE OF TRAFFIC  
 (million short tons)

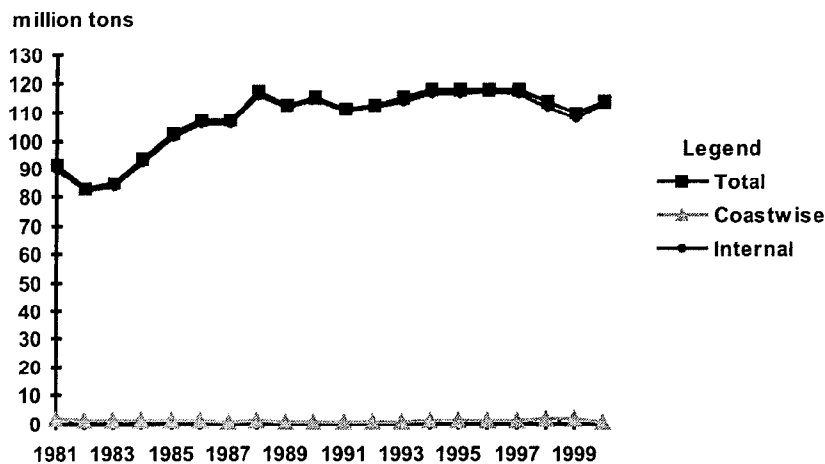


Table 3-13: GULF INTRACOASTAL WATERWAY, 1981-2000  
 BY TYPE OF TRAFFIC  
 (million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>91.6</b>	<b>83.0</b>	<b>85.1</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>
Imports	-	-	-	-	0.0	0.0	0.0	0.4	0.3	-
Exports	-	-	-	0.0	0.0	0.1	0.0	0.2	0.1	-
Coastwise	1.7	1.1	1.3	1.0	1.1	1.2	0.9	1.2	0.8	0.7
Internal	89.9	81.9	83.8	92.4	101.3	105.7	106.1	115.9	111.6	114.6

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>111.0</b>	<b>112.3</b>	<b>114.9</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>
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Coastwise	0.7	0.7	0.9	1.3	1.2	1.1	1.3	1.9	1.9	0.8
Internal	110.3	111.6	114.1	116.3	116.8	116.9	116.8	111.6	107.7	113.0

Figure 3-14  
 GULF INTRACOASTAL WATERWAY, 1981-2000  
 BY COMMODITY GROUP  
 (million short tons)

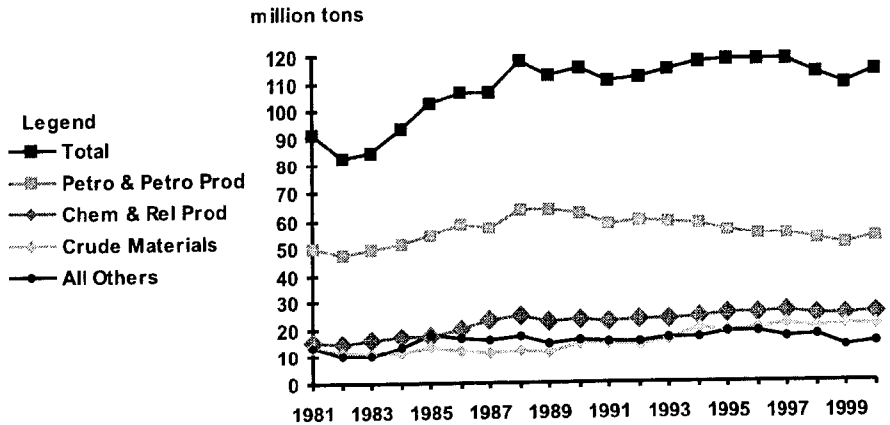


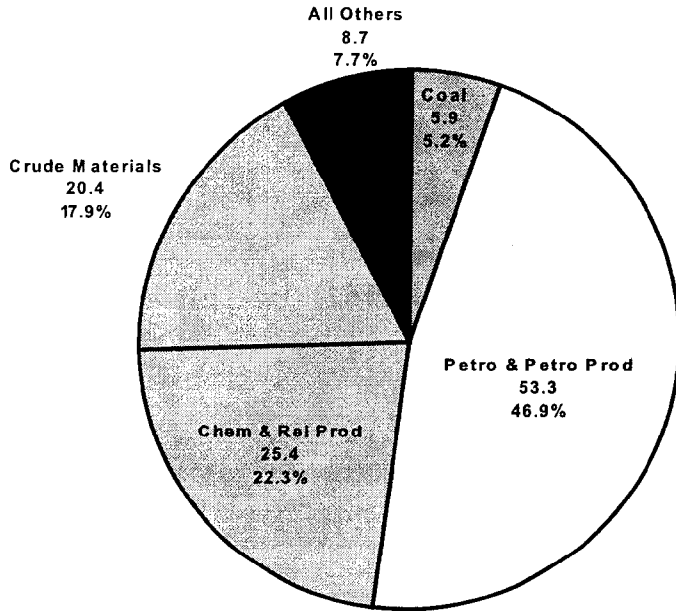
Table 3-14: GULF INTRACOASTAL WATERWAY, 1981-2000  
 BY COMMODITY GROUP  
 (million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>91.6</b>	<b>83.0</b>	<b>85.1</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>
Coal	4.6	4.0	3.9	6.8	7.2	8.8	8.0	8.0	7.5	9.2
Petrol & Petrol Prod	49.7	46.9	49.0	51.2	54.2	58.4	57.0	63.8	63.8	62.4
Chem & Rel Prod	15.6	14.5	15.8	17.3	17.1	19.8	22.9	24.4	22.8	22.9
Crude Materials	13.2	11.5	10.6	11.6	13.1	12.1	11.5	12.2	11.4	14.4
Primary Manuf Goods	4.3	2.6	2.6	3.2	4.5	3.3	3.2	3.9	2.7	3.0
Food & Farm Prod	2.3	1.9	1.7	1.9	3.2	3.0	2.7	3.3	2.9	2.2
All Manuf Equip	0.7	0.4	0.4	0.4	1.6	0.7	0.7	1.0	0.5	0.4
Other	1.2	1.3	1.2	1.2	1.5	1.0	1.1	1.2	1.2	0.8

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>111.0</b>	<b>112.3</b>	<b>114.9</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>
Coal	8.4	8.4	8.4	8.3	8.0	8.3	7.4	8.5	6.1	5.9
Petrol & Petrol Prod	58.4	60.0	58.9	58.1	55.7	54.2	54.2	52.2	50.4	53.3
Chem & Rel Prod	22.2	23.2	23.4	23.6	25.3	24.9	26.2	24.2	24.6	25.4
Crude Materials	14.8	13.9	16.0	19.6	18.3	20.1	21.4	20.1	21.3	20.4
Primary Manuf Goods	3.6	2.9	3.2	3.4	3.9	4.9	4.3	3.8	3.8	4.4
Food & Farm Prod	2.2	2.1	2.6	2.4	1.8	1.9	1.6	1.8	1.7	2.1
All Manuf Equip	0.3	0.5	0.8	0.8	4.1	3.0	2.0	1.9	1.1	1.3
Other	1.1	1.3	1.6	1.4	0.8	0.9	0.9	1.0	0.6	1.0

*Figure 3-15*  
**PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2000**  
**FOR THE GULF INTRACOASTAL WATERWAY**  
(million short tons and percentage of short tons)



*Table 3-15: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1999-2000*  
**FOR THE GULF INTRACOASTAL WATERWAY**  
(million short tons)

	1999	2000	% Change
<b>Total Commerce</b>	<b>109.6</b>	<b>113.8</b>	<b>3.8</b>
Coal	6.1	5.9	-3.0
Petroleum & Petroleum Products	50.4	53.3	5.8
Chemicals & Related Products	24.6	25.4	3.3
Crude Materials	21.3	20.4	-3.9
Primary Manufactured Goods	3.8	4.4	17.5
Food & Farm Products	1.7	2.1	20.8
All Manuf Equip	1.1	1.3	9.6
Other	0.6	1.0	46.6





Figure 3-16  
COLUMBIA RIVER, 1981-2000  
BY TYPE OF TRAFFIC  
(million short tons)

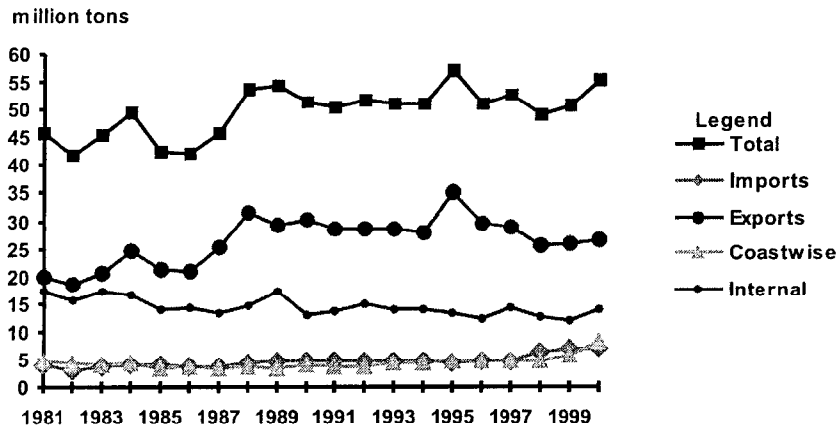


Table 3-16: COLUMBIA RIVER, 1981-2000  
BY TYPE OF TRAFFIC\*  
(million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
<b>Total</b>	<b>45.9</b>	<b>41.7</b>	<b>45.6</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>
Imports	3.8	3.1	3.7	4.0	3.9	3.8	3.8	4.3	4.7	4.5
Exports	20.0	18.6	20.7	24.5	21.3	20.7	25.3	31.3	29.1	30.0
Coastwise	4.8	4.3	4.1	4.3	3.2	3.6	3.4	3.5	3.5	3.9
Internal	17.4	15.7	17.1	16.6	14.0	14.1	13.2	14.8	17.2	13.0

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
<b>Total</b>	<b>50.4</b>	<b>51.6</b>	<b>51.2</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>
Imports	4.8	4.6	4.7	4.8	4.4	4.5	4.7	6.3	7.1	6.8
Exports	28.4	28.5	28.5	27.9	35.1	29.5	28.9	25.6	26.0	26.4
Coastwise	3.8	3.6	4.2	4.3	4.5	4.8	4.8	4.5	5.7	8.2
Internal	13.5	14.9	13.8	13.9	13.1	12.4	14.3	12.7	12.0	13.8

\*Imports include Upbound Thru Traffic. Exports include Downbound Thru Traffic.

Figure 3-17  
 COLUMBIA RIVER, 1981-2000  
 BY COMMODITY GROUP  
 (million short tons)

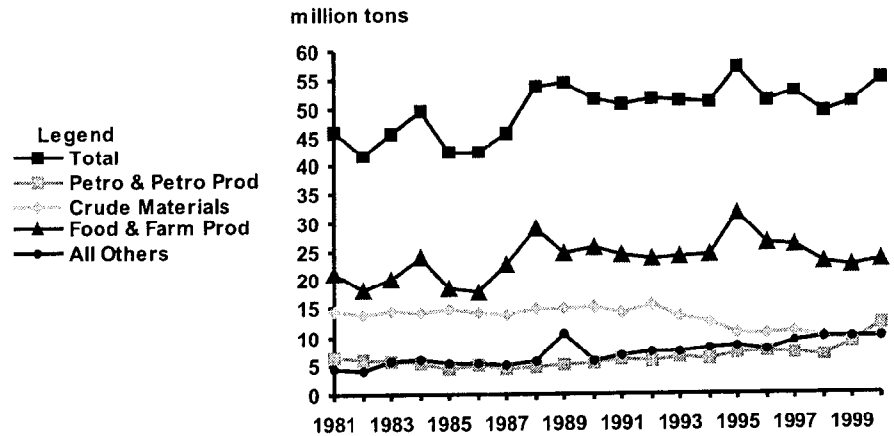


Table 3-17: COLUMBIA RIVER, 1981-2000  
 BY COMMODITY GROUP  
 (million short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total	<b>45.9</b>	<b>41.7</b>	<b>45.6</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>
Coal	0.0	0.1	0.2	0.2	0.2	0.4	0.5	0.5	0.5	0.0
Petro & Petro Prod	6.1	5.8	5.5	5.4	4.4	5.0	4.3	4.4	4.8	5.1
Chem & Rel Prod	1.4	0.9	1.4	1.7	1.9	1.9	2.1	2.0	2.3	2.7
Crude Materials	14.4	13.8	14.6	14.1	14.6	14.1	13.6	14.9	14.6	15.0
Primary Manuf Goods	2.1	1.7	2.1	2.3	2.3	2.2	1.9	2.1	2.1	2.3
Food & Farm Prod	21.1	18.2	19.9	23.9	18.2	17.8	22.8	29.0	24.4	25.7
All Manuf Equip	0.5	0.4	0.5	0.6	0.6	0.7	0.4	0.8	0.7	0.6
Other	0.3	0.8	1.5	1.1	0.2	0.0	0.1	0.0	5.0	0.0

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total	<b>50.4</b>	<b>51.6</b>	<b>51.2</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>
Coal	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petro & Petro Prod	5.8	5.7	6.2	6.0	6.8	7.1	7.0	6.7	9.0	12.2
Chem & Rel Prod	3.1	3.7	4.0	4.1	4.4	3.9	4.9	5.5	5.5	5.8
Crude Materials	14.1	15.3	13.6	12.6	10.5	10.4	10.7	9.8	9.4	10.1
Primary Manuf Goods	2.3	2.5	2.5	2.8	2.9	2.6	2.9	2.9	3.1	2.6
Food & Farm Prod	24.2	23.6	24.0	24.4	31.6	26.2	25.9	22.8	22.4	23.2
All Manuf Equip	0.7	0.7	0.7	0.8	0.8	0.8	1.1	1.0	1.2	1.1
Other	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Table 3-18: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1999-2000  
FOR THE COLUMBIA RIVER  
(million short tons)

	1999	2000	%Change
<b>Total Commerce</b>	<b>50.7</b>	<b>55.2</b>	<b>8.8</b>
Coal	0.0	0.0	-11.0
Petro & Petro Prod	9.0	12.2	35.4
Chem & Rel Prod	5.5	5.8	6.0
Crude Materials	9.4	10.1	7.5
Primary Manuf Goods	3.1	2.6	-16.0
Food & Farm Prod	22.4	23.2	3.5
All Manuf Equip	1.2	1.1	-2.3
Other	0.2	0.2	-3.2
<b>Foreign Commerce</b>	<b>33.1</b>	<b>33.2</b>	<b>0.4</b>
Coal	0.0	0.0	-11.0
Petro & Petro Prod	2.0	1.9	-4.6
Chem & Rel Prod	4.9	5.3	8.6
Crude Materials	5.1	5.4	6.6
Primary Manuf Goods	3.0	2.6	-14.7
Food & Farm Prod	17.3	17.1	-1.1
All Manuf Equip	0.8	0.9	12.3
Other	0.0	0.0	-4.8
<b>Domestic Commerce</b>	<b>17.7</b>	<b>22.0</b>	<b>24.6</b>
Coal	-	-	-
Petro & Petro Prod	7.1	10.3	46.4
Chem & Rel Prod	0.5	0.5	-17.2
Crude Materials	4.3	4.7	8.6
Primary Manuf Goods	0.1	0.1	-46.6
Food & Farm Prod	5.1	6.0	19.2
All Manuf Equip	0.4	0.2	-33.4
Other	0.2	0.2	-3.1

Figure 3-18  
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2000  
 FOR THE COLUMBIA RIVER  
 (million short tons and percentage of short tons)

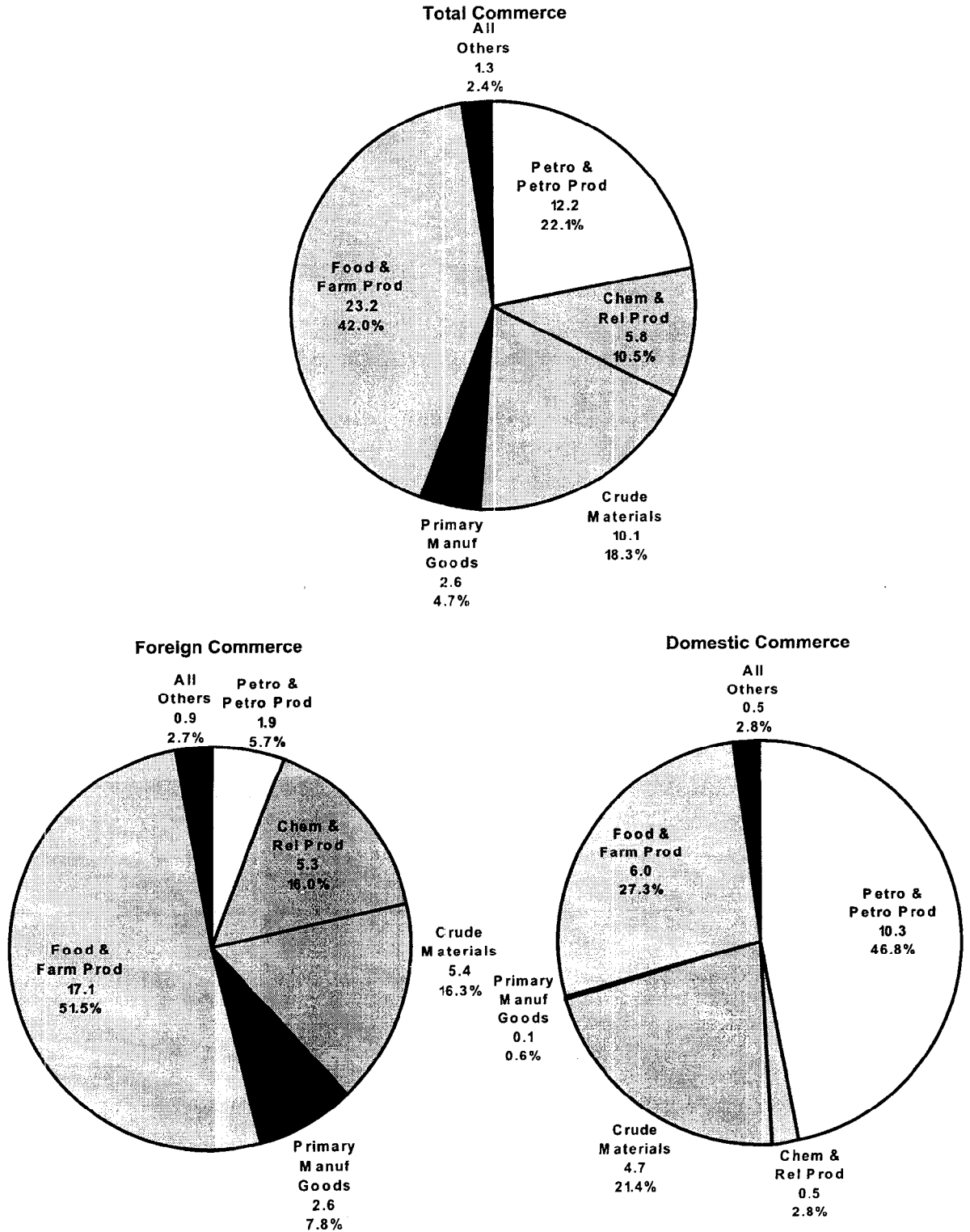


Figure 3-19  
SNAKE RIVER, 1981-2000  
BY COMMODITY GROUP  
(thousand short tons)

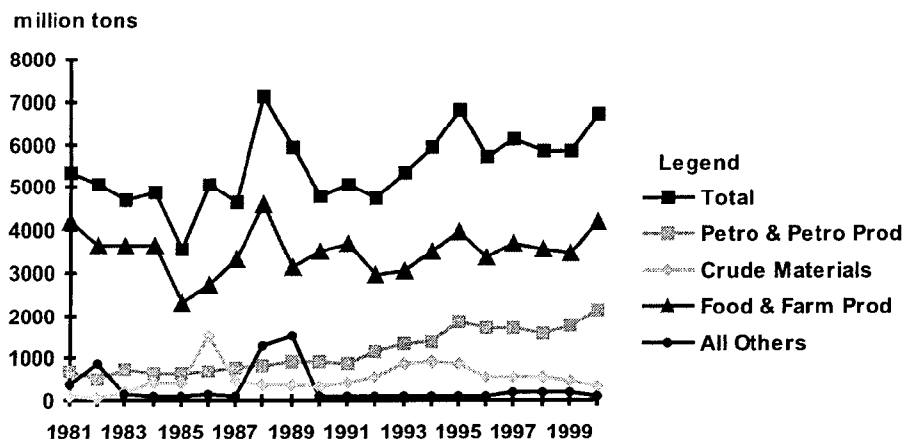


Table 3-19: SNAKE RIVER, 1981-2000  
BY COMMODITY GROUP  
(thousand short tons)

	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990
Total	<b>5,053.2</b>	<b>5,065.3</b>	<b>4,679.1</b>	<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>
Petro & Petro Prod	702.7	501.8	724.8	654.0	652.7	694.8	789.5	839.1	908.4	920.0
Chem & Rel Prod	41.4	51.0	25.7	26.3	27.2	45.2	36.2	22.9	33.1	14.8
Crude Materials	94.1	47.1	202.7	429.8	434.5	1,512.8	461.3	390.3	347.2	304.8
Primary Manuf Goods	34.0	35.5	85.2	71.7	74.4	45.9	45.6	52.2	45.3	53.8
Food & Farm Prod	4,187.4	3,629.9	3,625.3	3,653.5	2,316.8	2,704.4	3,301.3	4,601.1	3,148.8	3,503.2
All Manuf Equip	6.2	8.0	15.5	16.7	13.2	38.5	10.0	57.2	9.9	7.3
Waste & Scrap	269.4	792.0	-	-	-	0.9	1.0	1,162.2	1,437.5	-
Other	-	-	-	-	-	-	-	-	-	-

	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000
Total	<b>5,053.2</b>	<b>4,719.3</b>	<b>5,339.1</b>	<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>
Petro & Petro Prod	875.1	1,140.4	1,328.9	1,391.3	1,847.6	1,708.8	1,683.2	1,556.0	1,739.0	2,120.5
Chem & Rel Prod	41.3	35.4	50.9	43.4	41.3	52.0	30.5	53.2	74.3	88.4
Crude Materials	404.1	533.6	858.6	925.9	878.9	548.5	540.2	556.2	444.7	312.5
Primary Manuf Goods	45.0	43.2	40.0	46.0	64.5	18.0	69.8	66.6	71.5	7.8
Food & Farm Prod	3,682.4	2,961.4	3,055.8	3,510.7	3,963.6	3,369.1	3,677.6	3,544.6	3,461.9	4,162.7
All Manuf Equip	5.3	5.3	4.9	11.8	8.0	10.8	101.3	63.5	45.1	15.2
Waste & Scrap	-	-	-	-	-	0.2	-	-	-	-
Other	-	-	-	-	-	-	-	-	-	-

Figure 3-20  
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 2000  
 FOR THE SNAKE RIVER  
 (thousand short tons and percentage of short tons)

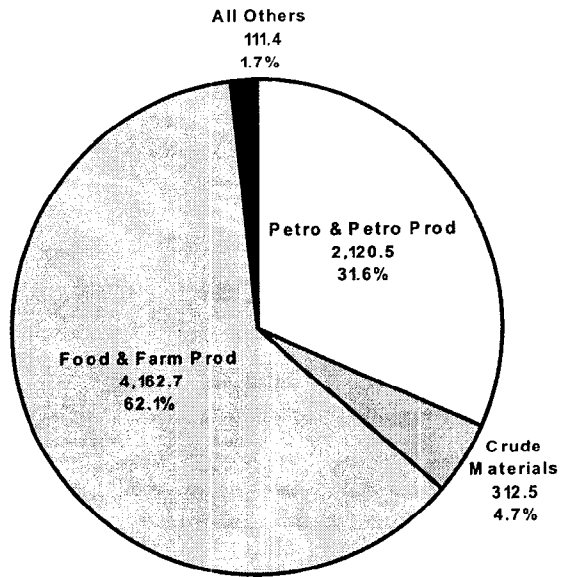


Table 3-20: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1999-2000  
 FOR THE SNAKE RIVER  
 (thousand short tons)

	1999	2000	% Change
<b>Total Commerce</b>	<b>5,836.5</b>	<b>6,707.1</b>	14.9
Petroleum & Petroleum Products	1,739.0	2,120.5	21.9
Chemicals & Related Products	74.3	88.4	18.9
Crude Materials	444.7	312.5	-29.7
Primary Manufactured Goods	71.5	7.8	-89.0
Food & Farm Products	3,461.9	4,162.7	20.2
All Manufactured Equipment	45.1	15.2	-66.3
Waste & Scrap	-	-	-

Table 3-21: MEASURES OF SELECTED U.S. DOMESTIC AND INTRACOASTAL WATERWAY TRAFFIC, 1996-2000\*  
(million short tons, billions of ton-miles and percent change between current and average)

Waterway Name	Average		%	Average		%	Average		%
	Tons CY 96-00 million	Tons CY 00		Ton Miles CY 96-00 billion	Ton Miles CY 00		System Ton Miles** CY 96-00 billion	System Ton Miles CY 00 billion	
<b>Atlantic Coast</b>									
AIWW-Between Norfolk, Va and The St. Johns River, FL Intracoastal Waterway, Jacksonville to Miami, FL	3.6	3.1	-13.5	0.2	0.2	-27.1	0.5	0.4	-30.2
	0.7	0.8	21.8	0.0	0.0	19.9	0.1	0.1	5.7
<b>Gulf Coast</b>									
Alabama-Coosa Rivers, AL and GA	0.5	0.1	-83.3	0.0	0.0	-86.0	0.1	0.0	-66.0
Apalachicola, Chattahoochee and Flint Rivers, GA and FL	0.4	0.3	-36.9	0.0	0.0	-54.9	0.2	0.1	-58.8
Black Warrior and Tombigbee Rivers, AL	22.5	23.5	4.3	5.3	5.0	-5.4	9.3	8.4	-9.6
GIWW-Between Apalachee Bay, FL and the Mexican Border	114.7	113.8	-0.8	19.3	18.7	-2.9	57.9	56.3	-2.8
GIWW-Morgan City-Port Allen Route	24.4	23.1	-5.4	1.5	1.4	-5.7	22.6	21.9	-3.4
Tennessee Tombigbee Waterway	8.0	7.0	-11.7	1.5	1.3	-7.9	4.8	4.1	-13.4
<b>Mississippi River System</b>									
Allegheny River, PA Improved Portion	3.8	3.8	0.3	0.1	0.1	3.5	1.5	1.4	-6.4
Atchafalaya River, La	12.1	13.4	11.5	0.8	0.9	16.8	6.9	8.7	25.2
Cumberland River, KY and TN	22.2	22.6	2.0	2.3	2.3	2.0	9.8	10.3	4.4
Green and Barren Rivers, KY	5.9	4.1	-30.1	0.3	0.2	-17.8	2.2	1.7	-25.4
Illinois Waterway, IL	43.8	44.2	1.0	9.5	9.0	-5.2	43.0	45.1	4.9
Kanawha River, WV	23.3	22.5	-3.5	1.6	1.5	-2.9	10.7	9.8	-9.0
Kaskaskia River, IL	0.7	0.2	-75.5	0.0	0.0	-86.7	0.3	0.2	-51.8
McClellan-Kerr Arkansas River Navigation System	11.2	10.7	-4.5	2.5	2.3	-8.1	6.7	6.5	-3.5
Miss. River, Minneapolis, MN to Mouth of Missouri River	81.4	83.3	2.4	16.1	16.0	-0.4	91.7	93.3	1.7
Miss. River, Mouth of Missouri River to Mouth of Ohio River	117.5	121.6	3.5	19.6	20.0	2.0	123.4	126.6	2.6
Miss. River, Mouth of Ohio River to Baton Rouge, LA	199.1	204.4	2.7	121.1	125.7	3.7	210.7	216.5	2.7
Missouri River, Fort Benton, MT and the Mouth	8.5	8.7	2.3	0.7	0.6	-15.4	1.8	1.6	-10.4
Monongahela River, PA and WV	37.1	37.3	0.5	1.2	1.2	0.0	9.8	8.6	-12.7
Ohio River	239.5	236.3	-1.3	57.8	57.8	0.0	134.7	134.5	-0.2
Ouachita and Black Rivers, AR and LA	1.6	1.5	-7.6	0.2	0.2	-6.5	0.8	0.7	-10.0
Red River Below Fulton, AR	3.4	3.8	11.5	0.3	0.3	13.2	2.1	2.4	12.7
Tennessee River, TN, AL and KY	49.5	49.6	0.1	7.4	7.4	0.0	28.8	28.2	-2.1
White River, AR Below Batesville, AR	0.4	0.2	-44.6	0.1	0.0	-59.0	0.3	0.1	-46.1
Kentucky River, KY	0.3	0.2	-13.0	0.0	0.0	-20.3	0.0	0.0	-28.9
<b>Pacific Coast</b>									
Columbia River	18.6	22.0	18.1	2.6	2.9	14.4	7.2	7.9	9.0

\*Note: Data does not include tonnage of foreign freight traffic nor passenger vessels.

\*\*System ton-miles is a measure of a single waterway's contribution to the whole waterway system. System ton-miles are computed by identifying every commercial cargo-carrying vessel that has plied a particular waterway and summing the products of the tons times the total trip-miles for each vessel trip. Total trip-miles is the total distance from origin to destination.



## Section 4 States



Table 4-1: WATERBORNE COMMERCE BY STATES, 2000  
(thousand short tons)

State	Total*	Shipping		Receiving		Intrastate
		Domestic	Foreign	Domestic	Foreign	
<b>Total</b>	<b>2,461,631</b>	<b>757,025</b>	<b>415,042</b>	<b>757,025</b>	<b>976,784</b>	<b>312,780</b>
Alabama	76,295	10,327	11,929	19,120	17,998	16,922
Alaska	64,485	48,556	8,035	2,586	1,228	4,081
Arkansas	11,804	4,892	-	4,481	-	2,431
California	185,710	5,491	43,330	28,972	97,015	10,902
Connecticut	18,959	1,021	3	11,729	4,748	1,458
Delaware	38,800	13,668	721	1,367	20,203	2,841
District of Columbia	691	-	-	691	-	-
Florida	125,305	10,962	17,927	61,190	31,039	4,188
Georgia	22,453	1,035	7,809	1,918	11,412	280
Guam	337	40	-	297	-	-
Hawaii	23,226	1,114	759	5,116	7,770	8,467
Idaho	1,584	1,174	-	13	-	397
Illinois	118,382	84,753	557	20,296	3,340	9,436
Indiana	74,434	14,407	598	54,505	2,477	2,447
Iowa	15,591	10,536	-	4,371	-	684
Kansas	328	259	-	70	-	-
Kentucky	91,900	51,079	-	31,885	-	8,936
Louisiana	513,041	111,425	107,677	130,756	123,930	39,253
Maine	32,304	176	363	3,415	28,177	174
Maryland	47,268	6,626	9,002	9,429	18,311	3,900
Massachusetts	26,973	822	609	10,456	13,497	1,588
Michigan	79,284	27,651	5,867	21,797	8,513	15,456
Minnesota	54,460	39,649	4,505	6,945	647	2,714
Mississippi	45,695	13,728	3,835	10,617	16,614	902
Missouri	34,729	17,057	-	8,674	-	8,998
Nebraska	167	95	-	71	-	-
New Hampshire	4,462	16	66	808	3,572	-
New Jersey	101,463	28,884	5,422	24,313	38,566	4,279
New York	104,686	18,953	3,120	21,568	44,665	16,379
North Carolina	12,327	79	2,995	3,139	3,640	2,474
Ohio	130,915	22,684	19,431	66,704	6,420	15,675
Oklahoma	3,793	2,008	-	1,776	-	9
Oregon	40,400	3,817	15,881	11,736	4,985	3,981
Other	66,407	7,248	-	8,195	50,960	5
Pacific Islands	325	248	-	77	-	-
Pennsylvania	126,082	19,243	785	35,920	47,885	22,250
Puerto Rico	27,586	2,030	1,208	8,192	14,138	2,018
Rhode Island	9,089	477	285	5,299	2,975	53
South Carolina	23,330	128	7,258	4,061	11,510	373
Tennessee	49,050	7,900	-	36,417	-	4,733
Texas	472,011	46,167	65,397	20,597	284,794	55,056
Trans-Shipments**	77	14	-	62	-	-
Vermont	-	-	-	-	-	-
Virgin Islands	45,650	19,805	949	-	24,510	386
Virginia	65,513	12,444	29,087	4,962	11,794	7,226
Washington	113,789	15,904	30,974	28,027	18,491	20,393
West Virginia	78,192	50,644	-	17,182	-	10,367
Wisconsin	39,299	21,790	8,658	7,222	962	668

\* 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, 2000, RANKED BY TOTAL TONS  
(thousand short tons)

State	Total*	Shipping		Receiving		Intrastate
		Domestic	Foreign	Domestic	Foreign	
<b>Total</b>	<b>2,461,631</b>	<b>757,025</b>	<b>415,042</b>	<b>757,025</b>	<b>976,784</b>	<b>312,780</b>
Louisiana	513,041	111,425	107,677	130,756	123,930	39,253
Texas	472,011	46,167	65,397	20,597	284,794	55,056
California	185,710	5,491	43,330	28,972	97,015	10,902
Ohio	130,915	22,684	19,431	66,704	6,420	15,675
Pennsylvania	126,082	19,243	785	35,920	47,885	22,250
Florida	125,305	10,962	17,927	61,190	31,039	4,188
Illinois	118,382	84,753	557	20,296	3,340	9,436
Washington	113,789	15,904	30,974	28,027	18,491	20,393
New York	104,686	18,953	3,120	21,568	44,665	16,379
New Jersey	101,463	28,884	5,422	24,313	38,566	4,279
Kentucky	91,900	51,079	-	31,885	-	8,936
Michigan	79,284	27,651	5,867	21,797	8,513	15,456
West Virginia	78,192	50,644	-	17,182	-	10,367
Alabama	76,295	10,327	11,929	19,120	17,998	16,922
Indiana	74,434	14,407	598	54,505	2,477	2,447
Other	66,407	7,248	-	8,195	50,960	5
Virginia	65,513	12,444	29,087	4,962	11,794	7,226
Alaska	64,485	48,556	8,035	2,586	1,228	4,081
Minnesota	54,460	39,649	4,505	6,945	647	2,714
Tennessee	49,050	7,900	-	36,417	-	4,733
Maryland	47,268	6,626	9,002	9,429	18,311	3,900
Mississippi	45,695	13,728	3,835	10,617	16,614	902
Virgin Islands	45,650	19,805	949	-	24,510	386
Oregon	40,400	3,817	15,881	11,736	4,985	3,981
Wisconsin	39,299	21,790	8,658	7,222	962	668
Delaware	38,800	13,668	721	1,367	20,203	2,841
Missouri	34,729	17,057	-	8,674	-	8,998
Maine	32,304	176	363	3,415	28,177	174
Puerto Rico	27,586	2,030	1,208	8,192	14,138	2,018
Massachusetts	26,973	822	609	10,456	13,497	1,588
South Carolina	23,330	128	7,258	4,061	11,510	373
Hawaii	23,226	1,114	759	5,116	7,770	8,467
Georgia	22,453	1,035	7,809	1,918	11,412	280
Connecticut	18,959	1,021	3	11,729	4,748	1,458
Iowa	15,591	10,536	-	4,371	-	684
North Carolina	12,327	79	2,995	3,139	3,640	2,474
Arkansas	11,804	4,892	-	4,481	-	2,431
Rhode Island	9,089	477	285	5,299	2,975	53
New Hampshire	4,462	16	66	808	3,572	-
Oklahoma	3,793	2,008	-	1,776	-	9
Idaho	1,584	1,174	-	13	-	397
District of Columbia	691	-	-	691	-	-
Guam	337	40	-	297	-	-
Kansas	328	259	-	70	-	-
Pacific Islands	325	248	-	77	-	-
Nebraska	167	95	-	71	-	-
Trans-Shipments**	77	14	-	62	-	-
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, 1999 AND 2000\*  
(thousand pounds)

State	1999	2000	% Change	Year	Record Landing
<b>Total</b>	<b>9,339,032</b>	<b>9,068,982</b>	<b>-2.9</b>	-	-
Alabama	27,399	29,931	9.2	1973	36,744
Alaska	4,492,649	4,465,987	-0.6	1993	5,905,638
California	647,319	641,237	-0.9	1936	1,760,193
Connecticut	18,430	19,563	6.1	1930	88,012
Delaware	8,427	6,676	-20.8	1953	367,500
Florida	130,887	120,022	-8.3	1954	264,564
Georgia	11,234	9,694	-13.7	1927	47,607
Hawaii	36,907	32,531	-11.9	1999	36,907
Illinois	86	49	-43.0	-	**
Indiana	-	-	-	-	**
Louisiana	1,480,045	1,344,913	-9.1	1984	1,931,027
Maine	229,633	226,849	-1.2	1950	356,266
Maryland	67,118	48,913	-27.1	1890	141,607
Massachusetts	198,336	187,861	-5.3	1948	649,696
Michigan	13,546	12,704	-6.2	1930	35,580
Minnesota	443	377	-14.9	-	**
Mississippi	267,546	217,744	-18.6	1984	476,997
New Hampshire	11,258	17,160	52.4	-	**
New Jersey	168,676	171,804	1.9	1956	540,060
New York	48,176	41,181	-14.5	1880	335,000
North Carolina	154,869	155,214	0.2	1981	432,006
Ohio	3,932	3,497	-11.1	1936	31,083
Oregon	233,177	262,917	12.8	1997	273,503
Pennsylvania	32	20	-37.5	-	**
Rhode Island	126,206	119,295	-5.5	1957	142,080
South Carolina	17,773	15,835	-10.9	1965	26,611
Texas	86,281	87,990	2.0	1960	237,684
Virginia	460,289	443,197	-3.7	1990	786,794
Washington	392,555	380,223	-3.1	1994	527,804
Wisconsin	5,803	5,549	-4.4	-	**

Source: U.S. Department of Commerce, National Marine Fisheries Service.

\* 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, 2000  
(short tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
71	Albany, NY	6,127,096	795,452	642,633	152,819	5,331,644
99	Alpena, MI	3,404,858	180,710	30,828	149,882	3,224,148
40	Anacortes, WA	18,034,543	2,095,998	1,578,325	517,673	15,938,545
103	Anchorage, AK	3,157,247	740,733	382,240	358,493	2,416,514
51	Ashtabula, OH	12,322,430	7,172,662	1,703,259	5,469,403	5,149,768
21	Baltimore, MD	40,831,802	26,296,816	17,904,000	8,392,816	14,534,986
69	Barbers Point, Oahu, HI	7,141,165	3,674,609	3,497,394	177,215	3,466,556
9	Baton Rouge, LA	65,631,084	23,125,589	13,653,589	9,472,000	42,505,495
6	Beaumont, TX	82,652,554	66,609,441	61,444,343	5,165,098	16,043,113
113	Biloxi, MS	2,508,367	-	-	-	2,508,367
35	Boston, MA	20,750,789	12,363,985	11,754,702	609,283	8,386,804
36	Bridgeport, CT	4,254,965	992,031	989,166	2,865	3,262,934
101	Brownsville, TX	3,267,513	1,880,582	1,788,479	92,103	1,386,931
109	Brunswick, GA	2,580,647	2,285,997	1,302,548	983,449	294,650
119	Buffalo, NY	2,168,557	926,659	511,728	414,931	1,241,898
135	Buffington, IN	1,544,762	-	-	-	1,544,762
59	Burns Waterway Harbor, IN	9,346,320	2,094,317	1,664,482	429,835	7,252,003
66	Calcite, MI	8,474,781	1,364,571	20,261	1,344,310	7,110,210
78	Camden-Gloucester, NJ	5,170,588	2,749,294	2,680,148	69,146	2,421,294
34	Charleston, SC	21,081,840	16,552,062	9,423,271	7,128,791	4,529,778
127	Charlevoix, MI	1,748,111	154,003	50,703	103,300	1,594,108
141	Charlotte, FL	1,356,295	-	-	-	1,356,295
107	Chattanooga, TN	2,854,579	-	-	-	2,854,579
116	Chester, PA	2,235,557	1,887,134	1,619,761	267,373	348,423
29	Chicago, IL	23,929,489	3,866,155	3,309,258	556,897	20,063,334
45	Cincinnati, OH	14,337,043	-	-	-	14,337,043
44	Cleveland, OH	14,390,802	2,476,365	2,262,104	214,261	11,914,437
56	Conneaut, OH	10,603,367	5,071,579	203,481	4,868,098	5,531,788
118	Coos Bay, OR	2,210,140	1,839,427	89,374	1,750,053	370,713
5	Corpus Christi, TX	83,124,950	59,136,402	50,223,701	8,912,701	23,988,548
41	Detroit, MI	17,294,541	5,302,457	5,121,638	180,819	11,992,084
140	Drummond Island, MI	1,357,645	-	-	-	1,357,645
20	Duluth-Superior, MN and WI	41,677,699	13,512,219	637,156	12,875,063	28,165,480
136	Erie, PA	1,501,167	231,542	231,542	-	1,269,625
63	Escanaba, MI	8,646,811	-	-	-	8,646,811
98	Everett, WA	3,457,140	755,457	377,386	378,071	2,701,683
112	Fairport Harbor, OH	2,538,850	-	-	-	2,538,850
128	Fajardo, PR	1,716,839	1,490,049	1,438,565	51,484	226,790
100	Fall River, MA	3,402,023	703,342	703,342	-	2,698,681
24	Freeport, TX	30,984,736	25,385,755	22,646,802	2,738,953	5,598,981
54	Galveston, TX	10,643,215	7,032,891	3,482,324	3,550,567	3,610,324
58	Gary, IN	9,712,109	301,786	161,024	140,762	9,410,323
121	Georgetown, SC	2,009,273	1,921,318	1,808,633	112,685	87,955
133	Grand Haven, MI	1,554,784	505,283	258,932	246,351	1,049,501
144	Grays Harbor, WA	1,250,636	623,429	126,905	496,524	627,207
134	Green Bay, WI	1,551,130	22,127	22,127	-	1,529,003
104	Greenville, MS	3,069,359	-	-	-	3,069,359
117	Gulfport, MS	2,228,741	2,123,280	1,198,959	924,321	105,461
125	Guntersville, AL	1,862,593	-	-	-	1,862,593
126	Helena, AR	1,797,390	-	-	-	1,797,390

Table 5-1: SELECTED U.S. PORTS BY PORT NAME, 2000 (continued)  
(short tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
148	Hempstead, NY	1,192,719	-	-	-	1,192,719
129	Hilo, HI	1,651,075	-	-	-	1,651,075
43	Honolulu, HI	15,796,807	4,854,650	4,272,509	582,141	10,942,157
2	Houston, TX	191,419,264	128,802,297	91,883,723	36,918,574	62,616,967
149	Humboldt, CA	1,062,672	443,897	41,231	402,666	618,775
7	Huntington - Tristate	76,867,987	-	-	-	76,867,987
143	Huron, OH	1,275,242	86,456	16,157	70,299	1,188,786
42	Indiana Harbor, IN	16,187,079	678,385	651,453	26,932	15,508,694
36	Jacksonville, FL	19,701,277	9,520,220	8,573,309	946,911	10,181,057
97	Kahului, Maui, HI	3,476,672	-	-	-	3,476,672
72	Kalama, WA	5,790,677	4,679,478	251,569	4,427,909	1,111,199
90	Kansas City, MO	3,819,732	-	-	-	3,819,732
142	Kawaihae Harbor, HI	1,310,139	-	-	-	1,310,139
111	Kivilina, AK	2,572,670	1,267,165	-	1,267,165	1,305,505
12	Lake Charles, LA	55,517,891	35,041,768	30,296,672	4,745,096	20,476,123
8	Long Beach, CA	70,149,685	52,750,115	36,986,788	15,763,327	17,399,570
88	Longview, WA	4,113,111	3,168,634	203,895	2,964,739	944,477
46	Lorain, OH	14,180,191	274,562	274,562	-	13,905,629
15	Los Angeles, CA	48,192,272	42,127,264	27,086,033	15,041,231	6,065,008
60	Louisville, KY	9,167,326	-	-	-	9,167,326
91	Marblehead, OH	3,717,018	478,467	-	478,467	3,238,551
30	Marcus Hook, PA	22,583,985	13,712,082	13,639,504	72,578	8,871,903
89	Marine City, MI	3,987,317	123,274	123,274	-	3,864,043
145	Marysville, MI	1,227,099	522,611	519,611	3,000	704,488
57	Matagorda Ship Channel, TX	10,551,726	7,174,114	5,556,097	1,618,017	3,377,612
39	Memphis, TN	18,269,265	-	-	-	18,269,265
64	Miami, FL	8,609,995	7,199,119	3,942,031	3,257,088	1,410,876
95	Milwaukee, WI	3,538,522	1,227,073	939,562	287,511	2,311,449
122	Minneapolis, MN	1,936,945	-	-	-	1,936,945
13	Mobile, AL	54,156,966	29,925,211	17,997,480	11,927,731	24,231,755
84	Morehead City, NC	4,365,470	2,881,016	1,021,920	1,859,096	1,484,454
105	Mount Vernon, IN	3,067,268	-	-	-	3,067,268
114	Muskegon, MI	2,434,620	455,450	394,701	60,749	1,979,170
82	Nashville, TN	4,523,011	-	-	-	4,523,011
131	Nawiliwili, Kauai, HI	1,580,962	-	-	-	1,580,962
62	New Castle, DE	8,745,200	3,337,498	3,337,498	-	5,407,702
55	New Haven, CT	10,603,972	3,729,097	3,729,097	-	6,874,875
4	New Orleans, LA	90,768,448	52,452,134	30,274,737	22,177,397	38,316,314
3	New York, NY and NJ	138,669,878	66,397,371	58,852,576	7,544,795	72,272,507
48	Newport News, VA	13,803,114	6,644,345	1,251,636	5,392,709	7,158,769
79	Nikishka, AK	5,109,341	3,068,486	413,027	2,655,459	2,040,855
19	Norfolk Harbor, VA	42,376,778	31,871,990	8,631,350	23,240,640	10,504,788
52	Oakland, CA	12,176,045	10,295,889	3,904,754	6,391,135	1,880,156
139	Olympia, WA	1,433,663	72,873	13,832	59,041	1,360,790
106	Palm Beach, FL	2,950,183	1,226,457	293,590	932,867	1,723,726
110	Panama City, FL	2,573,045	526,425	96,546	429,879	2,046,620
26	Pascagoula, MS	28,710,087	18,256,490	15,391,290	2,865,200	10,453,597
27	Paulsboro, NJ	26,874,417	17,687,925	17,543,389	144,536	9,186,492
96	Penn Manor, PA	3,531,474	3,415,151	3,333,834	81,317	116,323
130	Pensacola, FL	1,617,201	312,623	114,739	197,884	1,304,578

Table 5-1: SELECTED U.S. PORTS BY PORT NAME, 2000 (continued)  
(short tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
18	Philadelphia, PA	43,854,766	29,788,375	29,424,177	364,198	14,066,391
14	Pittsburgh, PA	53,922,676	-	-	-	53,922,676
11	Plaquemines, LA, Port of	59,910,084	21,046,311	12,393,761	8,652,550	38,863,773
115	Ponce, PR	2,264,619	2,090,219	1,973,179	117,040	174,400
124	Port Angeles, WA	1,886,064	562,217	331,900	230,317	1,323,847
33	Port Arthur, TX	21,387,322	12,912,824	10,973,450	1,939,374	8,474,498
87	Port Canaveral, FL	4,247,027	2,820,784	2,498,480	322,304	1,426,243
102	Port Dolomite, MI	3,205,181	225,407	-	225,407	2,979,774
31	Port Everglades, FL	22,500,202	9,212,845	6,867,197	2,345,648	13,287,357
147	Port Hueneme, CA	1,193,742	1,086,818	970,882	115,936	106,924
74	Port Inland, MI	5,483,044	529,577	6,164	523,413	4,953,467
108	Port Jefferson, NY	2,840,432	-	-	-	2,840,432
85	Port Manatee, FL	4,279,750	2,455,042	1,682,709	772,333	1,824,708
25	Portland, ME	29,330,407	26,993,231	26,835,286	157,945	2,337,176
22	Portland, OR	34,333,786	17,976,696	4,861,346	13,115,350	16,357,090
83	Portsmouth, NH	4,462,133	3,638,125	3,572,416	65,709	824,008
53	Presque Isle, MI	10,741,845	2,536,076	48,029	2,488,047	8,205,769
61	Providence, RI	8,869,974	3,235,173	2,949,736	285,437	5,634,801
38	Richmond, CA	19,463,609	10,369,632	9,324,564	1,045,068	9,093,977
137	Richmond, VA	1,488,505	735,790	418,155	317,635	752,715
146	Salem, MA	1,205,158	878,694	878,694	-	326,464
92	San Diego, CA	3,652,734	2,969,059	2,350,846	618,213	683,675
94	San Francisco, CA	3,626,462	3,320,331	2,001,304	1,319,027	306,131
47	San Juan, PR	13,904,236	6,122,844	5,544,684	578,160	7,781,392
93	Sandusky, OH	3,644,571	2,911,336	45,404	2,865,932	733,235
37	Savannah, GA	19,670,924	16,934,382	10,109,182	6,825,200	2,736,542
138	Searsport, ME	1,440,897	1,011,024	1,011,024	-	429,873
28	Seattle, WA	24,158,942	15,440,960	8,421,551	7,019,409	8,717,982
75	Silver Bay, MN	5,390,009	10,000	10,000	-	5,380,009
1	South Louisiana, LA, Port of	217,756,732	98,615,467	35,985,792	62,629,675	119,141,265
73	St. Clair, MI	5,553,477	3,374	3,374	-	5,550,103
23	St. Louis, MO and IL	33,337,815	-	-	-	33,337,815
76	St. Paul, MN	5,254,012	-	-	-	5,254,012
150	Stamford, CT	1,037,224	-	-	-	1,037,224
120	Stockton, CA	2,051,086	1,919,322	1,561,841	357,481	131,764
67	Stoneport, MI	7,841,997	286,160	-	286,160	7,555,837
32	Tacoma, WA	22,286,610	14,011,573	4,579,736	9,431,837	8,275,037
65	Taconite, MN	8,504,541	-	-	-	8,504,541
17	Tampa, FL	46,460,327	14,798,192	6,770,355	8,027,837	31,662,135
10	Texas City, TX	61,585,891	41,255,523	36,794,212	4,461,311	20,330,368
49	Toledo, OH	13,321,657	7,380,310	1,915,302	5,465,008	5,941,347
132	Trenton, NJ	1,574,107	-	-	-	1,574,107
123	Tulsa, Port of Catoosa, OK	1,926,638	-	-	-	1,926,638
50	Two Harbors, MN	13,060,019	-	-	-	13,060,019
16	Valdez, AK	48,080,894	1,671,838	-	1,671,838	46,409,056
68	Vancouver, WA	7,652,631	4,362,449	946,631	3,415,818	3,290,182
81	Vicksburg, MS	4,972,751	-	-	-	4,972,751
80	Victoria, TX	5,104,245	-	-	-	5,104,245
77	Wilmington, DE	5,183,513	4,079,553	3,358,106	721,447	1,103,960
70	Wilmington, NC	6,716,501	3,065,663	1,967,508	1,098,155	3,650,838

Table 5-2: SELECTED U.S. PORTS BY PORT NAME, 2000, RANKED BY TOTAL TONS  
(short tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
1	South Louisiana, LA, Port of	217,756,732	98,615,467	35,985,792	62,629,675	119,141,265
2	Houston, TX	191,419,264	128,802,297	91,883,723	36,918,574	62,616,967
3	New York, NY and NJ	138,669,878	66,397,371	58,852,576	7,544,795	72,272,507
4	New Orleans, LA	90,768,448	52,452,134	30,274,737	22,177,397	38,316,314
5	Corpus Christi, TX	83,124,950	59,136,402	50,223,701	8,912,701	23,988,548
6	Beaumont, TX	82,652,554	66,609,441	61,444,343	5,165,098	16,043,113
7	Huntington - Tristate	76,867,987	-	-	-	76,867,987
8	Long Beach, CA	70,149,685	52,750,115	36,986,788	15,763,327	17,399,570
9	Baton Rouge, LA	65,631,084	23,125,589	13,653,589	9,472,000	42,505,495
10	Texas City, TX	61,585,891	41,255,523	36,794,212	4,461,311	20,330,368
11	Plaquemines, LA, Port of	59,910,084	21,046,311	12,393,761	8,652,550	38,863,773
12	Lake Charles, LA	55,517,891	35,041,768	30,296,672	4,745,096	20,476,123
13	Mobile, AL	54,156,966	29,925,211	17,997,480	11,927,731	24,231,755
14	Pittsburgh, PA	53,922,676	-	-	-	53,922,676
15	Los Angeles, CA	48,192,272	42,127,264	27,086,033	15,041,231	6,065,008
16	Valdez, AK	48,080,894	1,671,838	-	1,671,838	46,409,056
17	Tampa, FL	46,460,327	14,798,192	6,770,355	8,027,837	31,662,135
18	Philadelphia, PA	43,854,766	29,788,375	29,424,177	364,198	14,066,391
19	Norfolk Harbor, VA	42,376,778	31,871,990	8,631,350	23,240,640	10,504,788
20	Duluth-Superior, MN and WI	41,677,699	13,512,219	637,156	12,875,063	28,165,480
21	Baltimore, MD	40,831,802	26,296,816	17,904,000	8,392,816	14,534,986
22	Portland, OR	34,333,786	17,976,696	4,861,346	13,115,350	16,357,090
23	St. Louis, MO and IL	33,337,815	-	-	-	33,337,815
24	Freeport, TX	30,984,736	25,385,755	22,646,802	2,738,953	5,598,981
25	Portland, ME	29,330,407	26,993,231	26,835,286	157,945	2,337,176
26	Pascagoula, MS	28,710,087	18,256,490	15,391,290	2,865,200	10,453,597
27	Paulsboro, NJ	26,874,417	17,687,925	17,543,389	144,536	9,186,492
28	Seattle, WA	24,158,942	15,440,960	8,421,551	7,019,409	8,717,982
29	Chicago, IL	23,929,489	3,866,155	3,309,258	556,897	20,063,334
30	Marcus Hook, PA	22,583,985	13,712,082	13,639,504	72,578	8,871,903
31	Port Everglades, FL	22,500,202	9,212,845	6,867,197	2,345,648	13,287,357
32	Tacoma, WA	22,286,610	14,011,573	4,579,736	9,431,837	8,275,037
33	Port Arthur, TX	21,387,322	12,912,824	10,973,450	1,939,374	8,474,498
34	Charleston, SC	21,081,840	16,552,062	9,423,271	7,128,791	4,529,778
35	Boston, MA	20,750,789	12,363,985	11,754,702	609,283	8,386,804
36	Jacksonville, FL	19,701,277	9,520,220	8,573,309	946,911	10,181,057
37	Savannah, GA	19,670,924	16,934,382	10,109,182	6,825,200	2,736,542
38	Richmond, CA	19,463,609	10,369,632	9,324,564	1,045,068	9,093,977
39	Memphis, TN	18,269,265	-	-	-	18,269,265
40	Anacortes, WA	18,034,543	2,095,998	1,578,325	517,673	15,938,545
41	Detroit, MI	17,294,541	5,302,457	5,121,638	180,819	11,992,084
42	Indiana Harbor, IN	16,187,079	678,385	651,453	26,932	15,508,694
43	Honolulu, HI	15,796,807	4,854,650	4,272,509	582,141	10,942,157
44	Cleveland, OH	14,390,802	2,476,365	2,262,104	214,261	11,914,437
45	Cincinnati, OH	14,337,043	-	-	-	14,337,043
46	Lorain, OH	14,180,191	274,562	274,562	-	13,905,629
47	San Juan, PR	13,904,236	6,122,844	5,544,684	578,160	7,781,392
48	Newport News, VA	13,803,114	6,644,345	1,251,636	5,392,709	7,158,769
49	Toledo, OH	13,321,657	7,380,310	1,915,302	5,465,008	5,941,347
50	Two Harbors, MN	13,060,019	-	-	-	13,060,019

Table 5-2: SELECTED U.S. PORTS BY PORT NAME, 2000, RANKED BY TOTAL TONS (continued)  
(short tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
51	Ashtabula, OH	12,322,430	7,172,662	1,703,259	5,469,403	5,149,768
52	Oakland, CA	12,176,045	10,295,889	3,904,754	6,391,135	1,880,156
53	Presque Isle, MI	10,741,845	2,536,076	48,029	2,488,047	8,205,769
54	Galveston, TX	10,643,215	7,032,891	3,482,324	3,550,567	3,610,324
55	New Haven, CT	10,603,972	3,729,097	3,729,097	-	6,874,875
56	Conneaut, OH	10,603,367	5,071,579	203,481	4,868,098	5,531,788
57	Matagorda Ship Channel, TX	10,551,726	7,174,114	5,556,097	1,618,017	3,377,612
58	Gary, IN	9,712,109	301,786	161,024	140,762	9,410,323
59	Burns Waterway Harbor, IN	9,346,320	2,094,317	1,664,482	429,835	7,252,003
60	Louisville, KY	9,167,326	-	-	-	9,167,326
61	Providence, RI	8,869,974	3,235,173	2,949,736	285,437	5,634,801
62	New Castle, DE	8,745,200	3,337,498	3,337,498	-	5,407,702
63	Escanaba, MI	8,646,811	-	-	-	8,646,811
64	Miami, FL	8,609,995	7,199,119	3,942,031	3,257,088	1,410,876
65	Taconite, MN	8,504,541	-	-	-	8,504,541
66	Calcite, MI	8,474,781	1,364,571	20,261	1,344,310	7,110,210
67	Stoneport, MI	7,841,997	286,160	-	286,160	7,555,837
68	Vancouver, WA	7,652,631	4,362,449	946,631	3,415,818	3,290,182
69	Barbers Point, Oahu, HI	7,141,165	3,674,609	3,497,394	177,215	3,466,556
70	Wilmington, NC	6,716,501	3,065,663	1,967,508	1,098,155	3,650,838
71	Albany, NY	6,127,096	795,452	642,633	152,819	5,331,644
72	Kalama, WA	5,790,677	4,679,478	251,569	4,427,909	1,111,199
73	St. Clair, MI	5,553,477	3,374	3,374	-	5,550,103
74	Port Inland, MI	5,483,044	529,577	6,164	523,413	4,953,467
75	Silver Bay, MN	5,390,009	10,000	10,000	-	5,380,009
76	St. Paul, MN	5,254,012	-	-	-	5,254,012
77	Wilmington, DE	5,183,513	4,079,553	3,358,106	721,447	1,103,960
78	Camden-Gloucester, NJ	5,170,588	2,749,294	2,680,148	69,146	2,421,294
79	Nikishka, AK	5,109,341	3,068,486	413,027	2,655,459	2,040,855
80	Victoria, TX	5,104,245	-	-	-	5,104,245
81	Vicksburg, MS	4,972,751	-	-	-	4,972,751
82	Nashville, TN	4,523,011	-	-	-	4,523,011
83	Portsmouth, NH	4,462,133	3,638,125	3,572,416	65,709	824,008
84	Morehead City, NC	4,365,470	2,881,016	1,021,920	1,859,096	1,484,454
85	Port Manatee, FL	4,279,750	2,455,042	1,682,709	772,333	1,824,708
86	Bridgeport, CT	4,254,965	992,031	989,166	2,865	3,262,934
87	Port Canaveral, FL	4,247,027	2,820,784	2,498,480	322,304	1,426,243
88	Longview, WA	4,113,111	3,168,634	203,895	2,964,739	944,477
89	Marine City, MI	3,987,317	123,274	123,274	-	3,864,043
90	Kansas City, MO	3,819,732	-	-	-	3,819,732
91	Marblehead, OH	3,717,018	478,467	-	478,467	3,238,551
92	San Diego, CA	3,652,734	2,969,059	2,350,846	618,213	683,675
93	Sandusky, OH	3,644,571	2,911,336	45,404	2,865,932	733,235
94	San Francisco, CA	3,626,462	3,320,331	2,001,304	1,319,027	306,131
95	Milwaukee, WI	3,538,522	1,227,073	939,562	287,511	2,311,449
96	Penn Manor, PA	3,531,474	3,415,151	3,333,834	81,317	116,323
97	Kahului, Maui, HI	3,476,672	-	-	-	3,476,672
98	Everett, WA	3,457,140	755,457	377,386	378,071	2,701,683
99	Alpena, MI	3,404,858	180,710	30,828	149,882	3,224,148
100	Fall River, MA	3,402,023	703,342	703,342	-	2,698,681

Table 5-2: SELECTED U.S. PORTS BY PORT NAME, 2000, RANKED BY TOTAL TONS (continued)  
(short tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
101	Brownsville, TX	3,267,513	1,880,582	1,788,479	92,103	1,386,931
102	Port Dolomite, MI	3,205,181	225,407	-	225,407	2,979,774
103	Anchorage, AK	3,157,247	740,733	382,240	358,493	2,416,514
104	Greenville, MS	3,069,359	-	-	-	3,069,359
105	Mount Vernon, IN	3,067,268	-	-	-	3,067,268
106	Palm Beach, FL	2,950,183	1,226,457	293,590	932,867	1,723,726
107	Chattanooga, TN	2,854,579	-	-	-	2,854,579
108	Port Jefferson, NY	2,840,432	-	-	-	2,840,432
109	Brunswick, GA	2,580,647	2,285,997	1,302,548	983,449	294,650
110	Panama City, FL	2,573,045	526,425	96,546	429,879	2,046,620
111	Kivilina, AK	2,572,670	1,267,165	-	1,267,165	1,305,505
112	Fairport Harbor, OH	2,538,850	-	-	-	2,538,850
113	Biloxi, MS	2,508,367	-	-	-	2,508,367
114	Muskegon, MI	2,434,620	455,450	394,701	60,749	1,979,170
115	Ponce, PR	2,264,619	2,090,219	1,973,179	117,040	174,400
116	Chester, PA	2,235,557	1,887,134	1,619,761	267,373	348,423
117	Gulfport, MS	2,228,741	2,123,280	1,198,959	924,321	105,461
118	Coos Bay, OR	2,210,140	1,839,427	89,374	1,750,053	370,713
119	Buffalo, NY	2,168,557	926,659	511,728	414,931	1,241,898
120	Stockton, CA	2,051,086	1,919,322	1,561,841	357,481	131,764
121	Georgetown, SC	2,009,273	1,921,318	1,808,633	112,685	87,955
122	Minneapolis, MN	1,936,945	-	-	-	1,936,945
123	Tulsa, Port of Catoosa, OK	1,926,638	-	-	-	1,926,638
124	Port Angeles, WA	1,886,064	562,217	331,900	230,317	1,323,847
125	Guntersville, AL	1,862,593	-	-	-	1,862,593
126	Helena, AR	1,797,390	-	-	-	1,797,390
127	Charlevoix, MI	1,748,111	154,003	50,703	103,300	1,594,108
128	Fajardo, PR	1,716,839	1,490,049	1,438,565	51,484	226,790
129	Hilo, HI	1,651,075	-	-	-	1,651,075
130	Pensacola, FL	1,617,201	312,623	114,739	197,884	1,304,578
131	Nawiliwili, Kauai, HI	1,580,962	-	-	-	1,580,962
132	Trenton, NJ	1,574,107	-	-	-	1,574,107
133	Grand Haven, MI	1,554,784	505,283	258,932	246,351	1,049,501
134	Green Bay, WI	1,551,130	22,127	22,127	-	1,529,003
135	Buffington, IN	1,544,762	-	-	-	1,544,762
136	Erie, PA	1,501,167	231,542	231,542	-	1,269,625
137	Richmond, VA	1,488,505	735,790	418,155	317,635	752,715
138	Searsport, ME	1,440,897	1,011,024	1,011,024	-	429,873
139	Olympia, WA	1,433,663	72,873	13,832	59,041	1,360,790
140	Drummond Island, MI	1,357,645	-	-	-	1,357,645
141	Charlotte, FL	1,356,295	-	-	-	1,356,295
142	Kawaihae Harbor, HI	1,310,139	-	-	-	1,310,139
143	Huron, OH	1,275,242	86,456	16,157	70,299	1,188,786
144	Grays Harbor, WA	1,250,636	623,429	126,905	496,524	627,207
145	Marysville, MI	1,227,099	522,611	519,611	3,000	704,488
146	Salem, MA	1,205,158	878,694	878,694	-	326,464
147	Port Hueneme, CA	1,193,742	1,086,818	970,882	115,936	106,924
148	Hempstead, NY	1,192,719	-	-	-	1,192,719
149	Humboldt, CA	1,062,672	443,897	41,231	402,666	618,775
150	Stamford, CT	1,037,224	-	-	-	1,037,224

## 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
Volume 2 Vessel Company Summary . . . . .	4.00
1st Class Postage . . . . .	3.00
Vessel Company Information on diskette (decompressing utility included) . . . . .	5.00
Volume 3 Vessel Characteristics . . . . .	20.00
1st Class Postage . . . . .	6.00
Vessel Characteristics on diskette (decompressing utility included) . . . . .	5.00

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The U.S. Waterway System - FACTS  
 Tonnage for Selected United States Ports  
 State Tonnage Report (Total waterborne commerce by state)  
 Estimated Waterborne Commerce Statistics, National Totals and Selected Inland Waterways  
 Summary of United States Flag Vessels  
 Summary of Lock Statistics (Contact: Navigation Data Center, (703) 428-8458)

Material may be ordered from Waterborne Commerce Statistics Center, U.S. Army Corps of Engineers,  
 P.O. Box 61280, New Orleans, LA 70161-1280. Checks or money orders should be made out to FAO-Q0.  
 Call (504) 862-1424, FAX (504) 862-1423.

For a review of other services provided through the Waterborne Commerce Statistics Center, please contact the  
 Internet Access WCSC Home Page at <http://www-iwr.usace.army.mil/ndc/wcsc.htm> or for E-mail:  
 CEIWR-NDCWCSC.WEBMASTER@usace.army.mil.

(01/17/2002)

## Ordering Guide for Port Series Reports

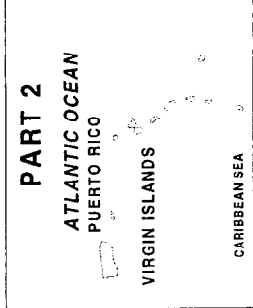
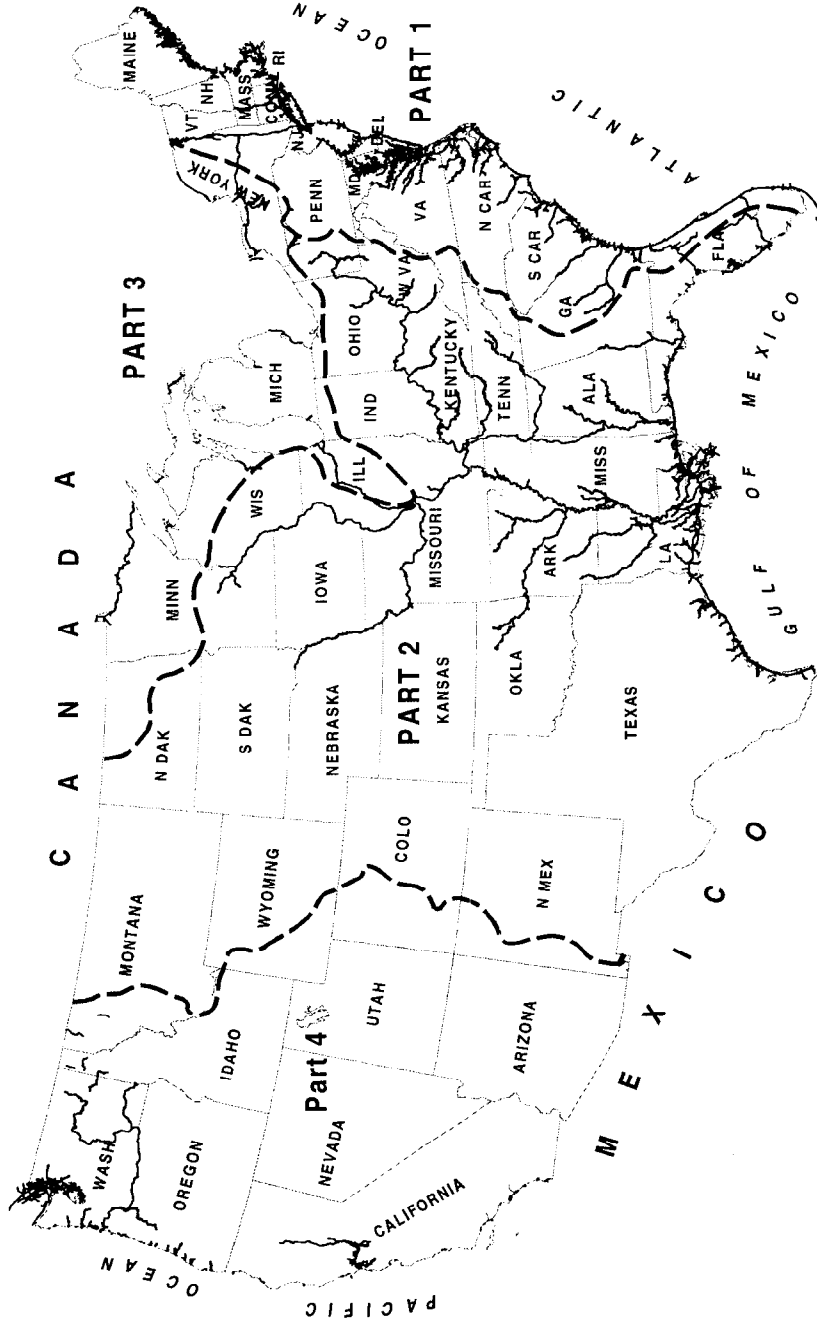
NO.		Date of Publication	Sales Price
1	Portland and Searsport, ME, and Portsmouth, NH	2001	\$ 17.00
3	Boston, MA	1994	18.00
4	Ports of Southern New England (Bridgeport, CT; New Haven, CT; Connecticut River, CT; New London, CT; Providence, RI; Fall River, MA; New Bedford, MA; Fairhaven, MA)	1994	22.00
5	New York, NY, and NJ, and Ports on Long Island, NY	1999	51.00
6	Albany and Ports on the Hudson River, NY	1996	16.00
8	Philadelphia, PA; Camden, NJ; Wilmington, DE; and Ports on Delaware River	1998	23.00
10	Baltimore, MD	2000	20.00
11	Ports of Hampton Roads, and Ports on the James and York Rivers, VA	1993	33.00
12	Wilmington and Morehead City, NC	1997	22.00
13	Charleston and Georgetown, SC	1997	14.00
14	Savannah and Brunswick, GA	2000	19.00
15	Jacksonville and Fernandina Beach, FL	1997	14.00
16	Miami, Port Everglades, Palm Beach, and Port Canaveral, FL	1999	36.00
17	The Ports of Tampa and Port Manatee, FL	1996	19.00
18	Mobile, AL	1998	10.00
19	Panama City and Penscola, FL; Pascagoula and Gulfport, MS; and Ports on the Apalachicola, Chattahoochee, and Flint Rivers	1998	23.00
20	New Orleans, LA	1990	13.00
20A	Mississippi River Ports Below and Above New Orleans, LA	1991	13.00
21	Baton Rouge and Lake Charles, LA	1990	14.00
22	Port Arthur, Beaumont, and Orange, TX	2001	32.00
23	Galveston and Texas City, TX	1996	19.00
24	Houston, TX	1999	33.00
25	Corpus Christi, TX	1993	13.00
26	Freeport, Point Comfort/Port Lavaca, Brownsville, and Ports along Gulf Intracoastal Waterway, TX	1991	13.00
27	San Diego, CA	1998	26.00
28	The Ports of Long Beach, Los Angeles and Port Hueneme, CA	1996	25.00
30	San Francisco, Redwood City, and Humboldt Bay, CA	2000	15.00
31	Oakland, Alameda, Richmond, and Ports on Carquinez Strait, CA	2000	20.00
32	Sacramento, Stockton, Pittsburg and Antioch, Ca	1996	25.00
33	Coos Bay, OR and Ports on Columbia-Snake River System	1986	14.00
34	Port of Portland, OR and Ports on the Columbia-Snake River System (Astoria, The Dalles, Boardman, and Umatilla, OR; Longview, Kalama, Vancouver, Pasco/ Kennewick, Wilma, and Clarkston, WA; and Lewiston, ID)	1996	40.00
35	Tacoma, Olympia and Grays Harbor, WA	1993	17.00
36	Seattle, WA	1993	24.00
37	Port Angeles, Port Townsend, Everett, Anacortes, and Bellingham, WA.	1998	11.00
38	Southeast Alaska (Metlakatla, Ketchikan, Hollis, Thorne Bay, Hydaburg, Craig, Klawock, Wrangell, Petersburg, Kake, Juneau, Angoon, Haines, Skagway, Sitka, Pelican, Gustavus, Hoonah, and Yakutat)	1995	25.00
39	Ports of Southwest and Western Alaska (1ST EDITION)	1994	25.00
41	Buffalo, Rochester, Oswego, and Ogdensburg, NY	2001	17.00
42	U.S. Ports on Lake Erie (Erie, PA; and Conneaut, Ashtabula, Fairport Harbor, Lorain, Huron, and Sandusky, OH)	2001	19.00
43	Cleveland, OH	2000	10.00
44	Toledo, OH	2000	10.00
45	Detroit and Monroe, and Ports on the Saginaw River, MI	1996	28.00
46	Chicago, IL	1995	25.00
48	Milwaukee, WI and Ports on Lake Michigan	1995	29.00
49	Duluth, MN; Superior, WI; Taconite Harbor, Silver Bay, and Two Harbors, MN; and Ashland, WI	2000	13.00
50	Ports of Hawaii (Honolulu, Kahului, Nawiliwili, Port Allen, Kuanakakai, Kaunapau, Hilo, and Kawaihae)	1999	17.00
60	Pittsburgh, PA, and Ports on the Ohio, Monongahela, and Allegheny Rivers, PA	1992	15.00
61	Huntington, WV, Ports on Ohio River (Miles 40-317), and Kanawha River, WV	1992	15.00
62	Cincinnati, OH, and Ports on Ohio River (Miles 317-560)	1991	11.00
63	Louisville, KY, Ports on Ohio River (Miles 560-980), and Cumberland and Green Rivers	1992	13.00
64	Ports on Tennessee River, Tennessee-Tombigbee and Black Warrior-Tombigbee Waterways, and Alabama River	1998	42.00
65	Ports on Illinois Waterway (Miles 0-291), Grafton to Lockport, IL	1994	15.00
68	Ports on the Missouri, Arkansas, Verdigris, White, and Ouachita Rivers	1987	13.00
69	Minneapolis-St. Paul, MN, and Ports on Upper Mississippi River (Miles 300-860 AOR)	1994	42.00
70	St. Louis, MO, and Ports on Upper Mississippi River (Miles 0-300 AOR)	1992	12.00
71	Memphis, TN; Helena, AR; and Ports on Lower Mississippi River (Miles 620-954 AHP)	1993	13.00
72	Natchez, Vicksburg, and Greenville, MS, and Ports on Lower Mississippi River (Miles 255-620 AHP)	1991	10.00

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Contact: Navigation Data Center - voice: (703) 428-8059 FAX: (703) 428-6047 or (703) 428-8171

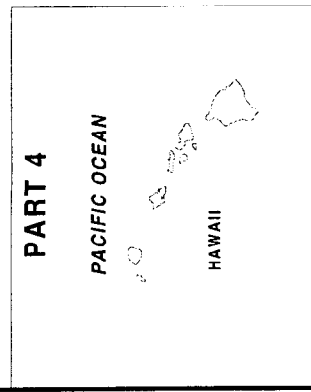
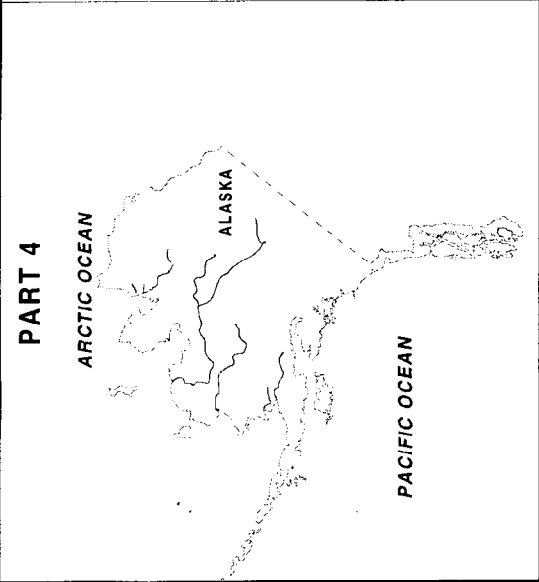
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**WATERBORNE COMMERCE OF THE UNITED STATES**

- Part 1 - Atlantic Coast
- Part 2 - Gulf Coast, Mississippi River System and Antilles
- Part 3 - Great Lakes
- Part 4 - Pacific Coast, Alaska and Hawaii
- Part 5 - Waterborne Commerce of the United States (National Summary)



**PART 5**



REPORT DOCUMENTATION PAGE				Form Approved OMB No. 0704-0188	
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