
WATERBORNE COMMERCE OF THE UNITED STATES

Calendar Year 1999

Part 5—
National Summaries



Compiled under the supervision of
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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 Bureau of Census. Data for the compilation of the domestic statistics are collected by the Corps of Engineers, Department of the Army.

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

WCUS, Part 1 Atlantic Coast

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

WCUS, Part 3 Great Lakes

WCUS, Part 4 Pacific Coast, Alaska and Hawaii

WCUS, Part 5 National Summaries

Legal Authority

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

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

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

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

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

Domestic Commerce

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

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

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

Beginning in 1996, fish are excluded from internal and intraport domestic traffic. The fish landing data 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 Guam, Wake Island and American Samoa and any other foreign country.

Foreign waterborne import and export statistics are derived primarily from data furnished to the Corps of Engineers by the Bureau of the Census and the U.S. Customs Service. In-transit statistics are derived primarily from data purchased from the Port Import Export

Reporting Service, Inc. and supplemented by data provided by Customs and Census.

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 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.

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

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

Imports

Overseas: Inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in foreign countries other than Canada.

Canadian: Inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses originating in Canada.

Exports

Overseas: Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone destined for foreign countries other than Canada.

Canadian: Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone destined for Canada.

In-transit Merchandise: Merchandise coming into the United States from a foreign country and shipped to a foreign country without having been entered as an import. In-transit merchandise is treated as an **Import**, (inbound) when unloaded from a vessel and as an **Export**, (outbound) when loaded onto a vessel.

Domestic

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

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

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

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

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

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

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

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

Traffic Direction

Waterways

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

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

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

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

Ports

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

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

Commodity Descriptions: The first two digits of the Waterborne Commerce Statistics Center (WCSC) publication codes correspond with the Lock Performance Monitoring System, (LPMS), commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard 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: 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 (e.g. 50 short tons moving 200 miles on a particular waterway would yield 10,000 ton-miles for that waterway). The ton-mile parameter measures the total performance of a waterway. Ton-miles are not computed for ports.

For coastwise traffic this represents the mileage on the shortest route that safe navigation permits between the point of origin and destination. The source of this distance information for coastwise traffic is the publication, *Distance Between United States Ports*, published by the National Oceanic and Atmospheric Administration (1987).

For rivers and inland waterways the distances were computed from waterway survey maps 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 Canadian imports and exports, foreign ton-miles are computed as the tonnage times the distance between the U.S. and Canadian ports.

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

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.

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

Major Grouping

Minor Grouping

Pub Group Pub Name

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

Major Grouping

Minor Grouping

Pub Group Pub Name

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

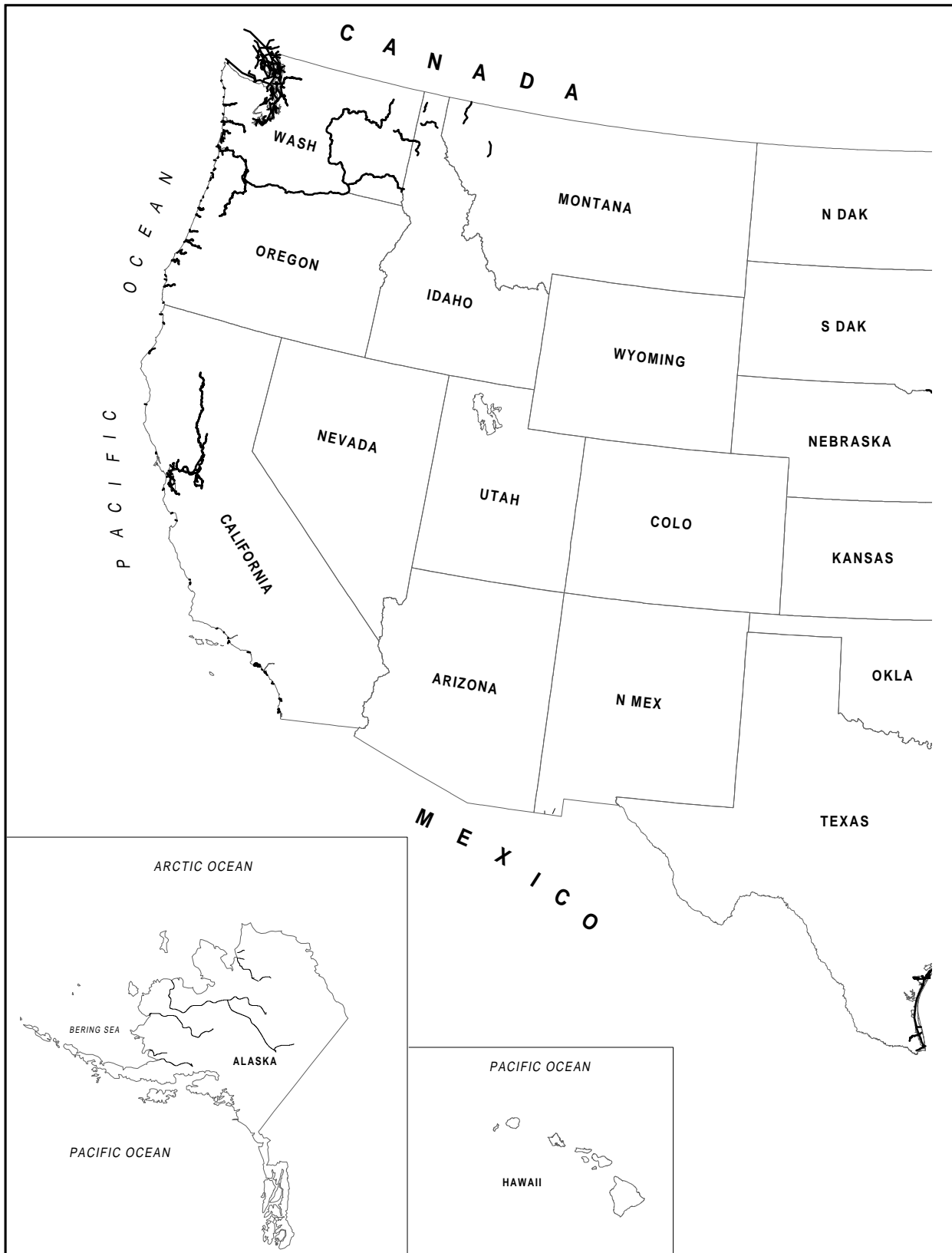
Pub Group Pub Name

- 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



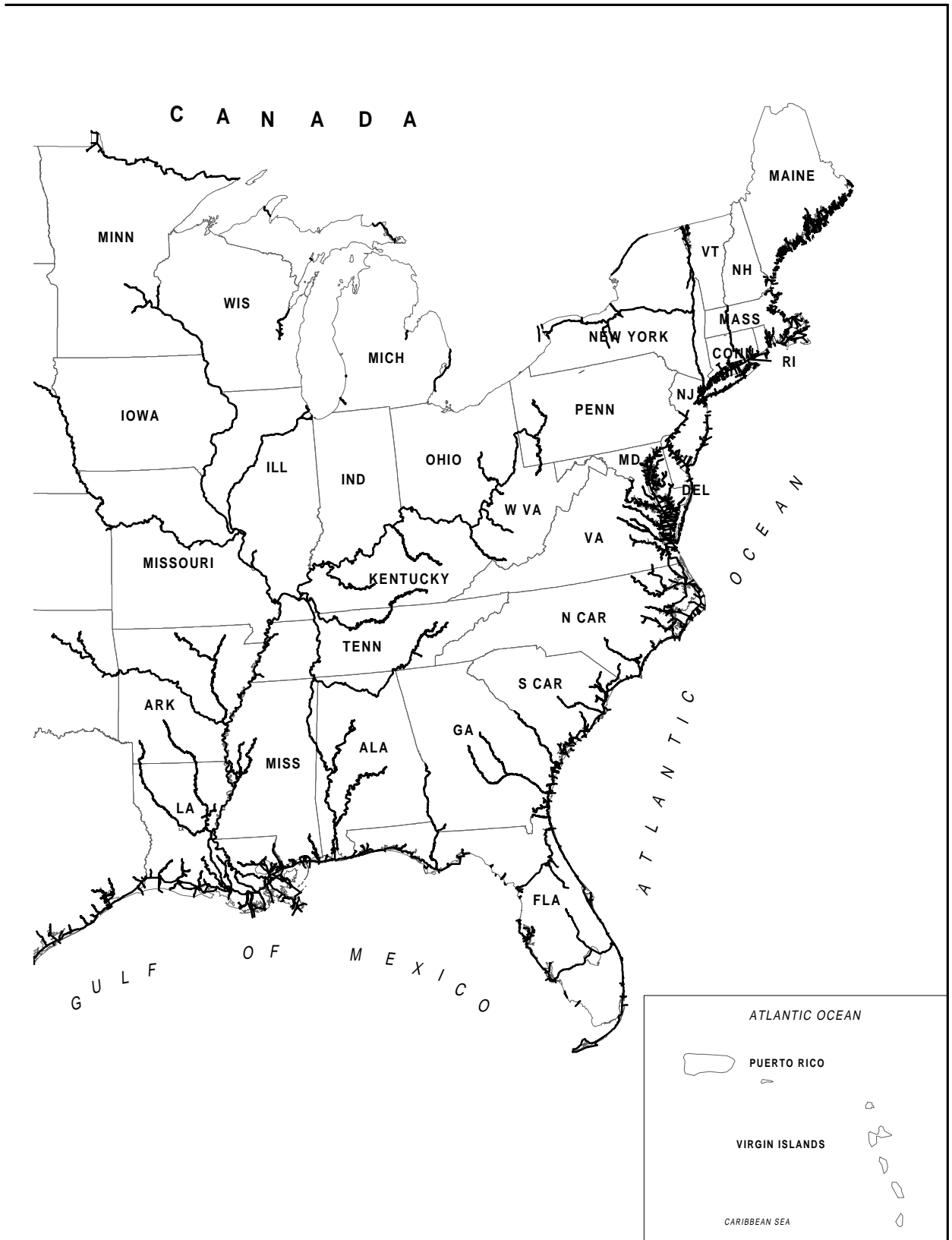


Figure 1-2
 TOTAL WATERBORNE COMMERCE OF THE U.S., 1960-1999
 (million short tons)

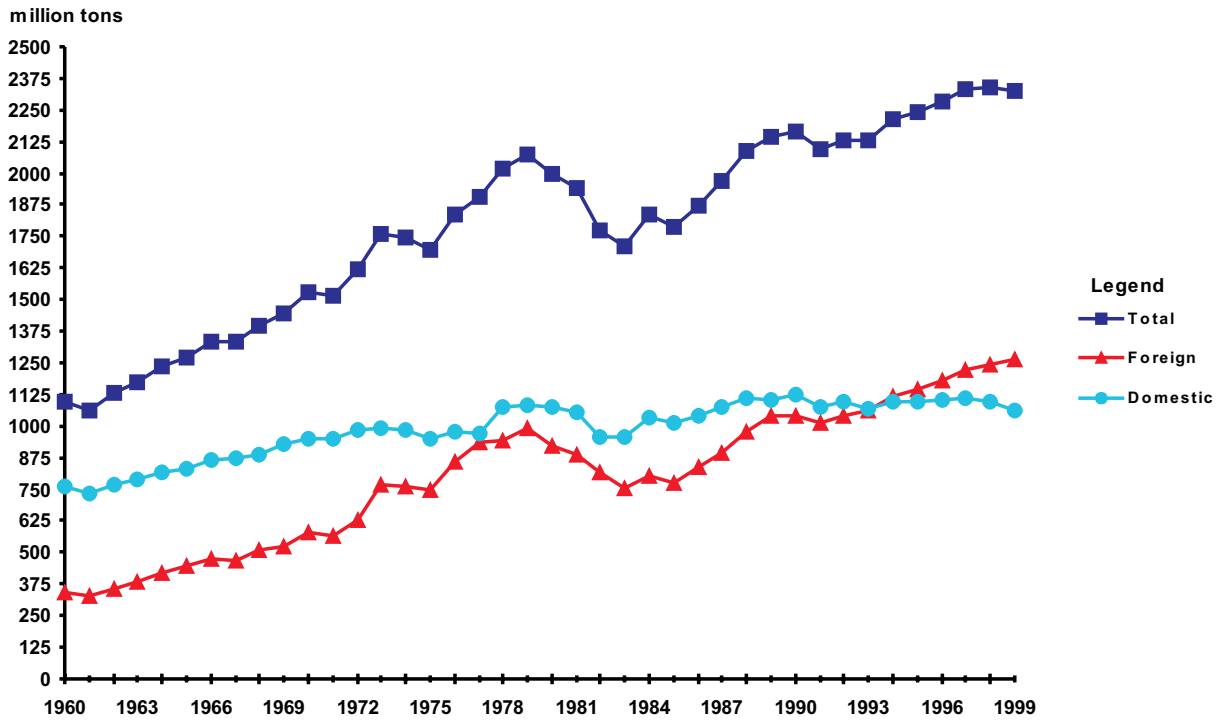


Table 1-1: TOTAL WATERBORNE COMMERCE OF THE U.S., 1960-1999
(in short tons of 2000 pounds)

Year	Total	Foreign	Domestic
1960	1,099,850,431	339,277,275	760,573,156
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

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

Table 1-2: FOREIGN WATERBORNE COMMERCE OF THE U.S., 1960-1999
(in short tons of 2000 pounds)

Year	Imports				Exports			
	Total	Coastal	Great Lakes		Total	Coastal	Great Lakes	
			Canadian	Overseas			Canadian	Overseas
1960	211,316,497	198,465,746	11,973,635	877,116	127,960,778	104,810,455	19,168,514	3,981,809
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

Table 1-3: DOMESTIC WATERBORNE COMMERCE OF THE U.S., 1960-1999
(in short tons of 2000 pounds)

Year	Total	Coastwise	Lakewise	Internal	Intraport	Intra-territory
1960	760,573,156	209,196,823	155,109,237	291,056,655	104,193,446	1,016,995
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

* Beginning in 1996, fish was excluded.

Table 1-4: TOTAL WATERBORNE COMMERCE, 1980-1999
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)									
1980	1,016,085.2	94,249.4	*33,679.6	**60,569.8	921,835.8	631,149.2	61,747.1	227,343.0	1,596.4
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
Tons*** (millions)									
1980	1,995.3	921.4	60.6	860.8	1,073.9	329.6	115.1	535.0	94.2
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

* 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, 1980-1999
 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)									
1980	509.2	102.3	555.8	70.4	858.4	1,914.8	536.4	405.0	16.9
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

+ 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, 1980-1999
BY COMMODITY GROUP
(million short tons)

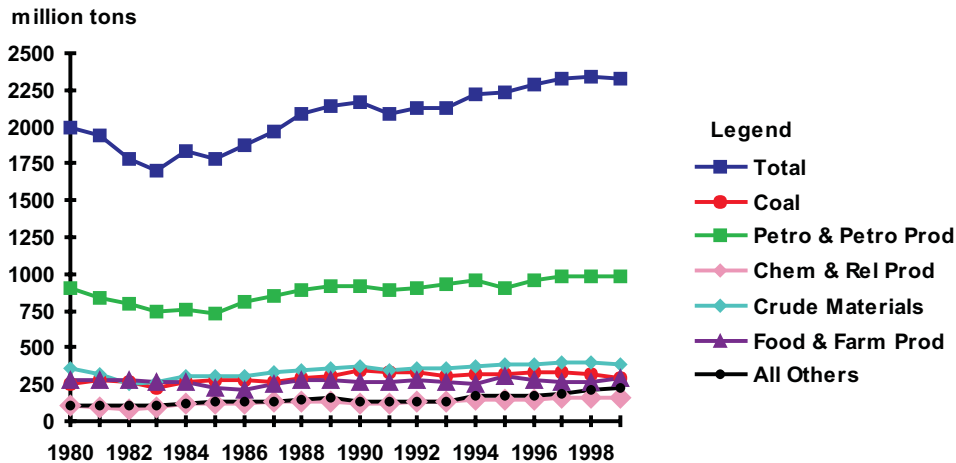


Table 1-5: TOTAL WATERBORNE COMMERCE, 1980-1999
BY COMMODITY GROUP
(million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	1,998.9	1,941.6	1,776.7	1,707.7	1,836.0	1,788.4	1,874.4	1,967.5	2,088.0	2,140.4
Coal	256.4	284.6	263.1	229.8	271.8	273.9	283.9	271.3	292.2	304.8
Petro & Petro Prod	903.2	842.4	799.6	748.5	753.5	726.4	815.6	847.7	887.7	922.7
Chem & Rel Prod	101.3	94.8	84.7	96.7	115.1	114.3	118.6	129.0	138.8	127.8
Crude Materials	356.9	325.2	249.2	260.0	307.1	307.1	308.4	327.1	352.0	353.2
Primary Manuf Goods	58.5	61.2	51.3	56.4	69.3	76.9	76.0	76.5	79.5	77.8
Food & Farm Prod	278.3	285.6	279.9	270.3	268.3	231.0	215.2	254.1	273.4	276.0
All Manuf Equip	23.6	23.7	21.2	23.9	25.1	29.8	31.4	33.6	33.8	38.4
Other	20.7	24.0	27.7	22.1	25.8	29.1	25.5	28.2	30.5	39.7
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	2,163.9	2,092.1	2,132.1	2,128.2	2,214.8	2,240.4	2,284.1	2,333.1	2,339.5	2,322.6
Coal	339.9	336.8	332.2	300.4	314.1	324.5	328.7	326.0	316.1	289.2
Petro & Petro Prod	923.5	886.0	899.6	930.6	961.3	907.1	954.4	988.2	987.4	979.1
Chem & Rel Prod	123.8	125.1	128.7	131.6	146.9	152.9	152.3	156.6	156.5	155.7
Crude Materials	374.9	348.9	364.0	360.6	369.3	381.7	388.7	400.9	394.3	386.6
Primary Manuf Goods	76.0	71.8	70.1	76.8	105.0	106.3	108.9	117.0	141.0	147.4
Food & Farm Prod	267.5	263.9	280.4	269.3	225.8	303.2	*284.9	271.7	265.7	287.9
All Manuf Equip	42.2	43.6	49.0	51.1	54.9	57.8	59.0	66.1	71.8	71.5
Other	16.5	16.0	8.0	7.9	7.3	6.9	7.2	6.6	6.6	5.2

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

Figure 1-4
 FOREIGN WATERBORNE COMMERCE, 1980-1999
 IMPORTS AND EXPORTS
 (million short tons)

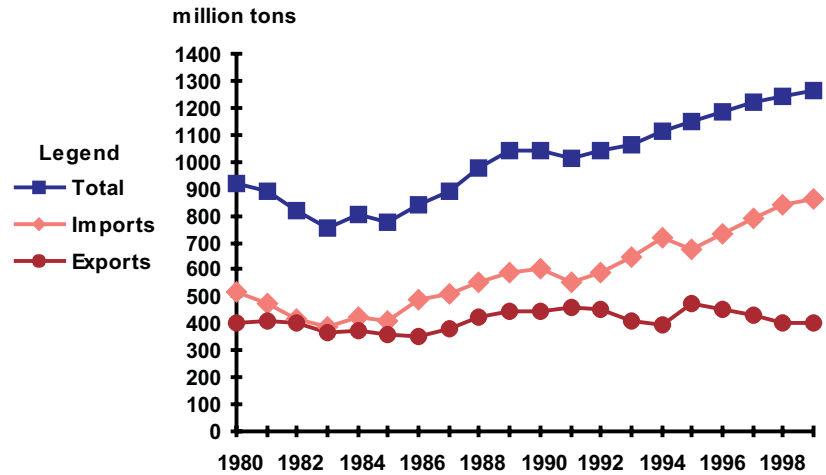


Table 1-6: FOREIGN WATERBORNE COMMERCE, 1980-1999
 IMPORTS AND EXPORTS
 (million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	921.4	887.1	819.7	751.1	803.3	774.3	837.2	891.0	976.2	1,037.9
Imports	517.5	477.2	416.6	387.8	427.1	412.7	486.1	507.7	549.9	589.5
Exports	403.9	409.9	403.1	363.3	376.2	361.6	351.2	383.3	426.3	448.4

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	1,041.6	1,013.6	1,037.5	1,060.0	1,115.7	1,147.4	1,183.4	1,220.6	1,245.4	1,260.8
Imports	600.0	555.4	586.7	648.8	719.5	672.7	732.6	788.3	840.7	860.8
Exports	441.6	458.2	450.8	411.3	396.2	474.7	450.8	432.3	404.7	400.0

Figure 1-5
FOREIGN WATERBORNE COMMERCE, 1980-1999
TOTAL, OVERSEAS AND GREAT LAKES CANADIAN TRAFFIC
 (million short tons)

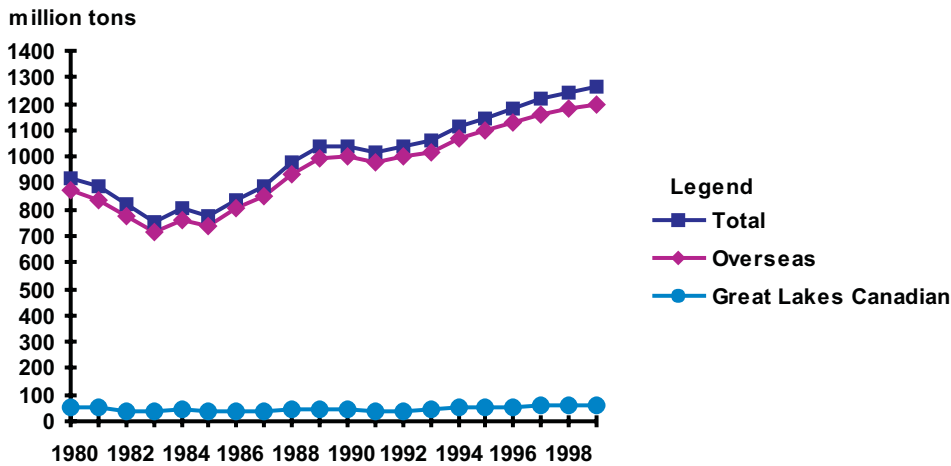


Table 1-7: FOREIGN WATERBORNE COMMERCE, 1980-1999
TOTAL, OVERSEAS AND GREAT LAKES CANADIAN TRAFFIC
 (million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	921.4	887.1	819.7	751.1	803.3	774.3	837.2	891.0	976.2	1,037.9
Overseas	870.8	833.3	778.5	711.3	758.1	734.7	802.4	854.2	932.8	992.4
Great Lakes Canadian	50.6	53.8	41.2	39.9	45.2	39.6	34.8	36.8	43.4	45.5
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	1,041.6	1,013.6	1,037.5	1,060.0	1,115.7	1,147.4	1,183.4	1,220.6	1,245.4	1,260.8
Overseas	997.5	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
Great Lakes Canadian	44.1	37.3	39.9	43.6	50.1	51.9	56.4	57.7	62.4	62.4

Figure 1-6
 DOMESTIC WATERBORNE COMMERCE,
 1980-1999
 BY TYPE OF TRAFFIC
 (million short tons)

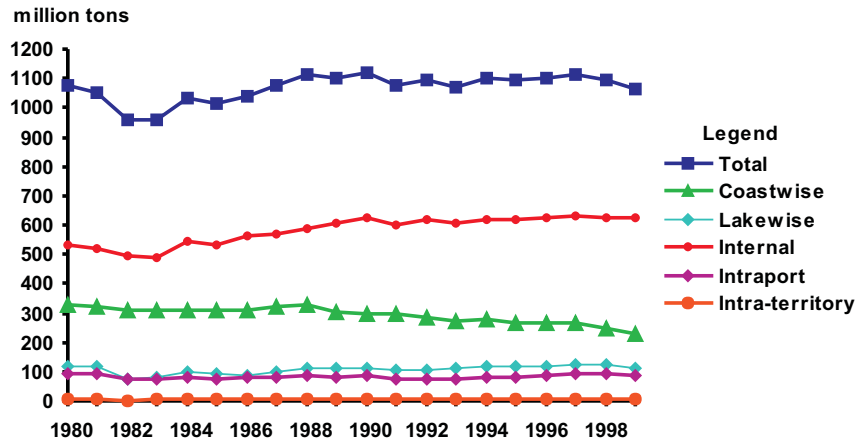


Table 1-8: DOMESTIC WATERBORNE COMMERCE, 1980-1999
 BY TYPE OF TRAFFIC
 (million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	1,077.5	1,054.5	957.0	956.5	1,032.7	1,014.1	1,037.2	1,076.5	1,111.8	1,102.5
Coastwise	329.6	322.0	311.1	309.6	307.7	309.8	308.0	323.5	325.2	302.0
Lakewise	115.1	115.4	72.1	83.4	98.0	92.0	87.4	96.5	109.7	109.1
Internal	535.0	520.7	495.5	487.1	542.5	534.7	560.5	569.8	588.1	606.0
Inraport	94.2	93.2	75.6	73.1	81.1	74.3	77.4	82.0	83.7	80.2
Intra-territory	3.6	3.1	2.8	3.2	3.4	3.4	4.0	4.7	5.1	5.2

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	1,122.3	1,078.6	1,094.6	1,068.2	1,099.0	1,093.0	1,100.7	1,112.5	1,094.1	1,061.8
Coastwise	298.6	294.5	285.1	271.7	277.0	266.6	267.4	263.1	249.6	228.8
Lakewise	110.2	103.4	107.4	109.9	114.8	116.1	114.9	122.7	122.2	113.9
Internal	622.6	600.4	621.0	607.3	618.4	620.3	*622.1	630.6	625.0	624.6
Inraport	86.4	75.6	76.8	74.4	82.9	83.1	*89.0	89.8	90.1	88.7
Intra-territory	4.5	4.6	4.2	5.0	5.9	6.9	7.3	6.3	7.2	5.9

* Beginning in 1996, fish was excluded.

Figure 1-7
DOMESTIC WATERBORNE COMMERCE, 1980-1999
TON-MILES BY TYPE OF TRAFFIC
(billion short ton-miles)

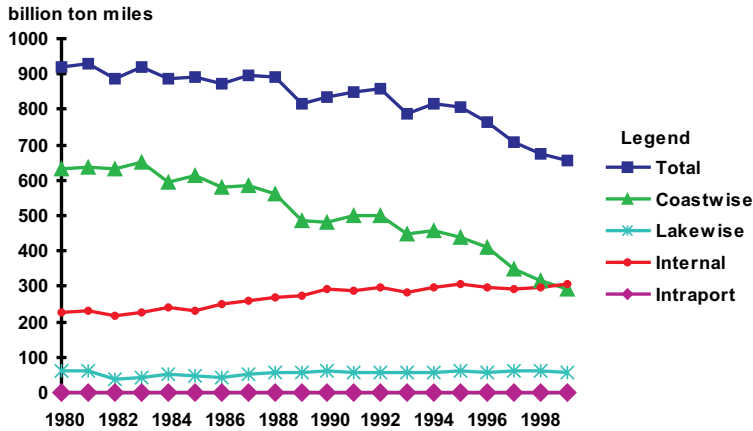


Table 1-9: DOMESTIC WATERBORNE COMMERCE, 1980-1999
TON-MILES BY TYPE OF TRAFFIC
(billion short ton-miles)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	921.8	929.4	886.5	919.6	887.7	893.0	873.4	895.4	890.0	815.5
Coastwise	631.1	634.8	632.7	649.7	593.9	611.0	580.9	586.8	561.6	483.9
Lakewise	61.7	62.1	35.6	43.1	49.8	48.2	43.2	50.1	58.2	58.3
Internal	227.3	231.2	217.0	225.6	242.9	232.7	248.1	257.3	269.0	272.2
Intraport	1.6	1.3	1.1	1.1	1.2	1.1	1.2	1.2	1.2	1.2

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	833.5	848.4	856.7	789.7	814.9	807.7	764.7	707.4	672.8	655.9
Coastwise	479.1	502.1	502.3	448.4	457.6	440.3	408.1	349.8	314.9	292.7
Lakewise	60.9	55.3	55.8	56.4	58.3	59.7	58.3	62.2	61.7	57.0
Internal	292.4	290.0	297.6	283.9	297.8	306.3	296.8	294.0	294.9	304.7
Intraport	1.1	1.0	1.0	0.9	1.3	1.3	1.5	1.4	1.4	1.4

Figure 1-8
 DOMESTIC WATERBORNE COMMERCE, 1980-1999
 AVERAGE HAUL BY TYPE OF TRAFFIC
 (miles per short ton)

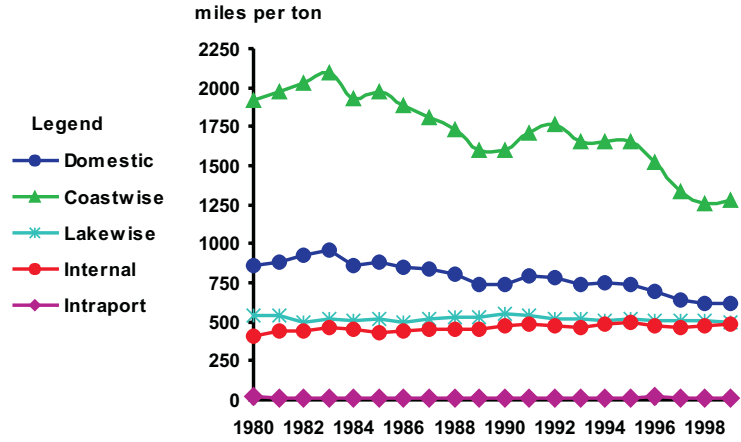


Table 1-10: DOMESTIC WATERBORNE COMMERCE, 1980-1999
 AVERAGE HAUL BY TYPE OF TRAFFIC
 (miles per short ton)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Domestic	858.4	884.0	929.0	964.6	862.5	883.5	845.3	835.4	804.3	743.2
Coastwise	1,914.8	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
Lakewise	536.4	538.5	494.2	516.4	508.0	523.8	494.5	519.0	530.3	534.5
Internal	405.0	444.0	438.0	463.2	448.0	435.2	442.7	451.6	457.5	449.1
Intraport	16.9	14.1	14.7	15.0	14.3	14.8	15.5	14.4	14.8	14.9

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Domestic	745.7	789.9	785.7	742.7	745.5	743.6	699.4	639.5	619.0	621.1
Coastwise	1,604.4	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
Lakewise	553.1	535.0	519.4	514.0	507.6	514.1	507.8	506.5	504.7	500.9
Internal	469.6	483.0	479.3	467.5	481.5	493.8	477.1	466.3	471.8	487.9
Intraport	12.6	12.8	12.4	12.4	15.6	16.2	16.6	15.3	15.3	15.4

Figure 1-9
DOMESTIC WATERBORNE COMMERCE, 1980-1999
BY COMMODITY GROUP
(million short tons)

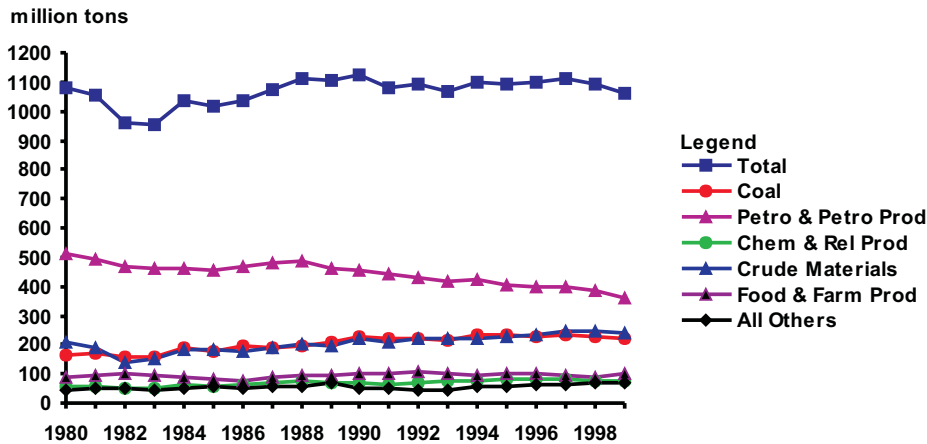


Table 1-11: DOMESTIC WATERBORNE COMMERCE, 1980-1999
BY COMMODITY GROUP
(million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	1,077.5	1,054.5	957.0	956.5	1,032.7	1,014.1	1,037.2	1,076.5	1,111.8	1,102.5
Coal	164.1	171.5	156.5	155.5	189.5	179.8	196.7	190.6	196.8	210.9
Petro & Petro Prod	513.4	495.2	469.2	458.0	460.6	453.5	466.8	480.3	487.2	463.5
Chem & Rel Prod	59.5	56.3	47.5	52.8	60.1	59.7	63.7	70.3	73.3	68.6
Crude Materials	205.4	187.4	136.3	149.9	180.5	181.4	179.5	189.2	200.5	196.2
Primary Manuf Goods	22.4	23.4	18.8	20.1	22.9	25.2	24.8	24.3	24.6	24.9
Food & Farm Prod	88.7	93.3	98.3	95.9	91.2	82.1	77.8	90.2	95.3	94.7
All Manuf Equip	4.3	4.1	3.4	3.0	3.1	4.3	3.4	4.4	5.3	5.3
Other	24.1	23.2	27.0	21.3	24.9	28.1	24.5	27.1	28.9	38.4

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	1,122.3	1,078.6	1,094.6	1,068.2	1,099.0	1,093.0	1,100.7	1,112.5	1,094.1	1,061.8
Coal	227.1	219.8	223.5	214.7	231.3	223.5	229.9	232.3	229.4	218.9
Petro & Petro Prod	457.7	440.7	429.4	416.9	420.8	403.6	398.5	396.7	382.5	361.5
Chem & Rel Prod	67.4	65.4	70.1	72.8	78.5	79.4	80.2	81.0	77.7	75.3
Crude Materials	222.4	206.7	223.0	218.6	220.9	226.4	233.2	246.5	245.7	239.3
Primary Manuf Goods	25.5	25.4	25.8	28.5	35.7	36.8	37.7	37.2	41.2	45.0
Food & Farm Prod	98.6	98.2	105.3	98.3	93.3	103.4	*98.0	93.7	91.5	100.0
All Manuf Equip	8.1	8.1	10.6	11.6	12.5	14.6	17.2	19.5	20.8	17.8
Other	15.5	14.4	6.9	6.8	5.8	5.5	6.0	5.6	5.3	3.9

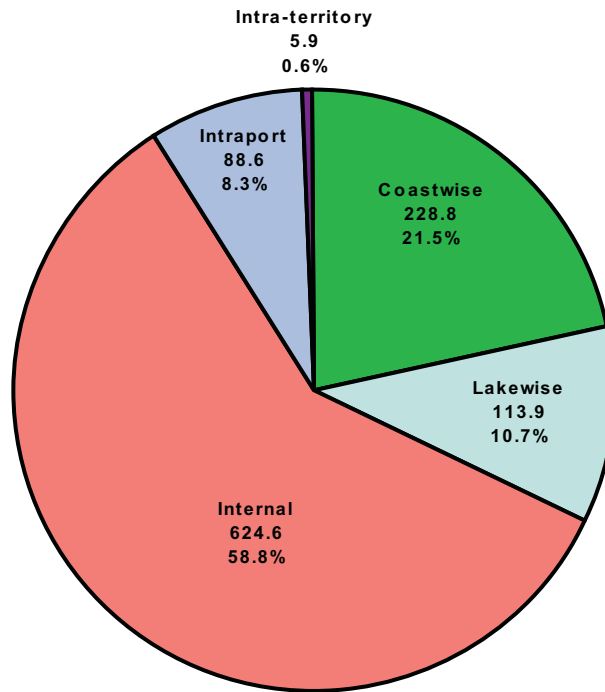
* Beginning in 1996, fish was excluded for internal and intraport domestic traffic.

Table 1-12: DOMESTIC COMMERCE, 1998-1999
 COMPARED BY TYPE OF TRAFFIC
 BARGE AND SELF-PROPELLED VESSELS
 (million short tons)

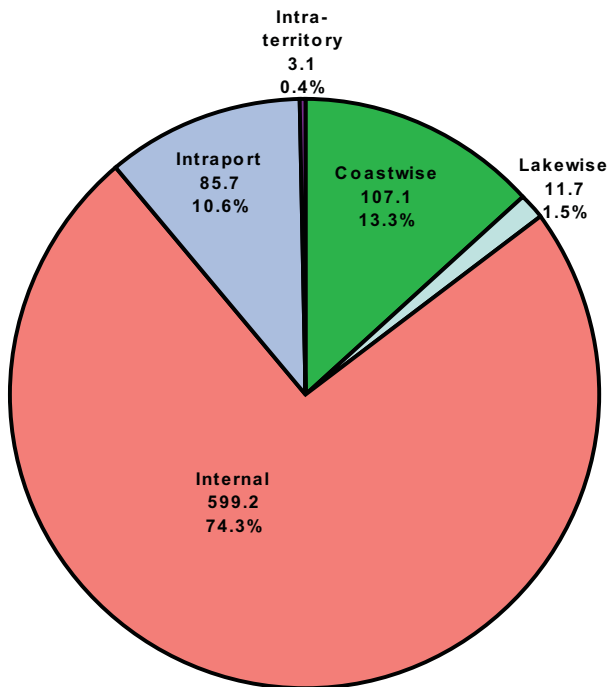
	1998	1999	% Change
Domestic Traffic	1,094.1	1,061.8	-3.0
Coastwise	249.6	228.8	-8.3
Lakewise	122.2	113.9	-6.8
Internal	625.0	624.6	-0.1
Inraport	90.1	88.6	-1.6
Intra-territory	7.2	5.9	-18.6
Barge Traffic	816.8	806.8	-1.2
Coastwise	114.7	107.1	-6.6
Lakewise	13.5	11.7	-13.6
Internal	597.8	599.2	0.2
Inraport	86.5	85.7	-0.9
Intra-territory	4.3	3.1	-28.2
Self-Propelled Traffic	277.3	254.9	-8.0
Coastwise	134.9	121.7	-9.8
Lakewise	108.6	102.2	-5.9
Internal	27.3	25.4	-6.9
Inraport	3.6	2.9	-18.0
Intra-territory	2.9	2.8	-4.5

Figure 1-10
DOMESTIC COMMERCE, 1999
 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

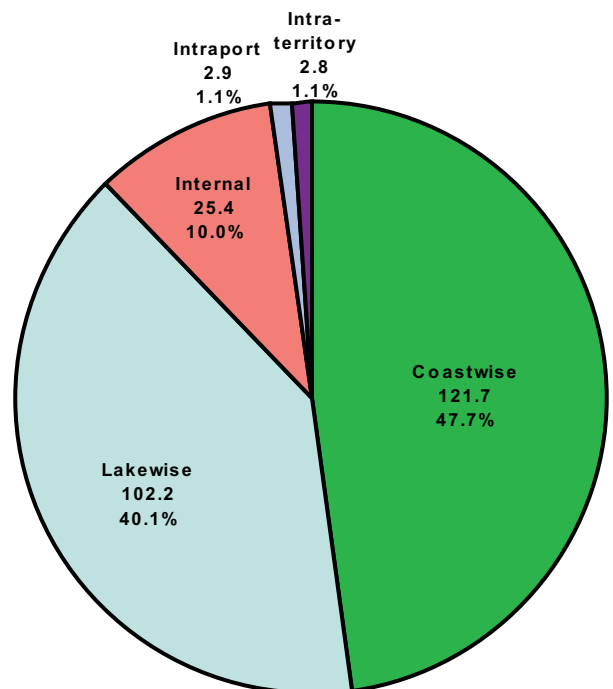


Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 1999
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE IMPORTS AND EXPORTS
 (short tons)

Commodity	Canada				Mexico			
	Imports from	%	Exports to	%	Imports from	%	Exports to	%
Total, all commodities	64,605,106	7.5	42,908,125	10.7	88,414,508	10.3	24,169,210	6.0
Total coal	641,811	5.5	20,839,930	35.6	29	0.0	51,895	0.1
1100 coal lignite	540,694	6.3	20,591,461	35.4	29	0.0	33,818	0.1
1200 coal coke	101,117	3.2	248,469	78.6	—	—	18,077	5.7
Total petroleum and petroleum products	22,123,083	3.9	2,204,267	4.1	73,230,820	13.0	10,058,694	18.7
Subtotal crude petroleum	10,603,826	2.4	16,656	0.3	69,949,600	15.9	560	0.0
2100 crude petroleum	10,603,826	2.4	16,656	0.3	69,949,600	15.9	560	0.0
Subtotal petroleum products	11,519,257	9.3	2,187,611	4.6	3,281,220	2.6	10,058,134	20.9
2211 gasoline	4,620,473	25.1	36,834	0.9	33,931	0.2	3,432,679	82.9
2221 kerosene	304,857	4.5	133,843	13.5	67,189	1.0	47,788	4.8
2330 distillate fuel oil	3,864,166	15.0	255,320	6.2	425,767	1.7	1,304,064	31.4
2340 residual fuel oil	1,447,601	4.1	518,984	5.2	461,282	1.3	3,298,244	32.9
2350 lube oil & greases	172,925	1.6	118,678	7.5	316,351	2.9	80,248	5.1
2410 petro. jelly & waxes	3	0.0	22	0.0	2,209	1.2	85	0.1
2429 naphtha & solvents	491,272	3.2	110,957	2.6	1,762,611	11.5	1,183,016	27.8
2430 asphalt, tar & pitch	94,501	9.6	20,369	0.8	—	—	194,989	7.2
2540 petroleum coke	506,648	11.9	992,595	5.5	198,976	4.7	172,512	1.0
2640 liquid natural gas	16,811	0.3	9	0.0	12,904	0.2	344,509	15.7
Total chemicals and related products	2,922,842	10.4	820,194	1.6	479,762	1.7	3,365,113	6.4
Subtotal fertilizers	624,737	14.5	179,400	0.9	113,851	2.6	649,304	3.4
3110 nitrogenous fert.	87,323	3.1	64,567	3.1	50,473	1.8	279,541	13.3
3120 phosphatic fert.	704	0.8	—	—	12,228	13.8	—	—
3130 potassic fert.	534,249	52.9	8,293	0.3	—	—	91,058	3.2
3190 fert. & mixes nec	2,461	0.6	106,540	0.8	51,150	13.2	278,705	2.1
Subtotal other chemicals and related products	2,298,105	9.6	640,794	1.9	365,911	1.5	2,715,809	8.2
3211 acyclic hydrocarbons	189	0.0	2,206	0.3	—	—	205,876	24.5
3212 benzene & toluene	70,605	12.1	—	—	3,917	0.7	32,959	49.6
3219 other hydrocarbons	80,449	16.5	—	—	755	0.2	1,163,552	21.1
3220 alcohols	366,607	7.9	22,296	1.1	44,270	1.0	168,133	8.0
3230 carboxylic acids	805	0.1	78	0.0	106,306	14.4	149,641	7.8
3240 nitrogen func. comp.	822	0.2	703	0.0	10,485	2.9	57,206	3.5
3250 organo - inorg. comp.	27	0.0	116	0.0	519	0.2	2,007	0.3
3260 organic comp. nec	869,158	18.3	18,739	1.0	60,661	1.3	539,845	28.3
3271 sulphur (liquid)	—	—	—	—	—	—	—	—
3272 sulphuric acid	418,255	52.3	—	—	20,053	2.5	233	1.1
3273 ammonia	204,126	5.4	—	—	20,561	0.5	23,388	3.0
3274 sodium hydroxide	85,107	14.4	429,657	13.3	340	0.1	162,909	5.1
3275 inorg. elem., oxides, & halogen salts	48,160	4.6	3,291	0.3	6,638	0.6	26,460	2.7
3276 metallic salts	96,300	9.9	153,106	3.6	24,880	2.6	7,019	0.2
3279 inorganic chem. nec	4,108	1.9	—	—	1,671	0.8	14,168	25.6
3281 radioactive material	27	0.1	—	—	—	—	—	—
3282 pigments & paints	3,471	1.4	330	0.1	1,213	0.5	3,787	0.7
3283 coloring mat. nec	56	0.0	10	0.0	1,550	1.2	1,378	2.0
3284 medicines	1,144	1.1	164	0.1	720	0.7	476	0.3
3285 perfumes & cleansers	742	0.2	894	0.1	13,121	4.3	2,081	0.3
3286 plastics	19,486	0.9	7,593	0.1	41,767	2.0	33,012	0.6
3291 pesticides	227	0.3	—	—	100	0.1	3,411	1.8
3292 starches, gluten, glue	799	0.2	103	0.0	2,391	0.7	589	0.2
3293 explosives	375	0.4	—	—	—	—	13	0.1
3297 chemical additives	26	0.0	822	0.1	28	0.0	2,276	0.3
3298 wood & resin chem.	23,357	42.9	19	0.0	90	0.2	10,406	3.5
3299 chem. products nec	3,677	0.8	667	0.1	3,875	0.9	104,984	11.4
Total crude materials, inedible except fuels	32,635,367	35.2	14,893,162	27.3	11,453,170	12.3	818,801	1.5
Subtotal forest products, wood and chips	1,807,749	33.6	782,157	4.5	40,731	0.8	4,500	0.0
4110 rubber & gums	1	0.0	—	—	1	0.0	893	11.2
4150 fuel wood	2,477	13.8	17,958	11.5	69	0.4	137	0.1
4161 wood chips	180,640	98.7	489,369	5.7	—	—	—	—
4170 wood in the rough	972,828	93.0	274,372	4.7	328	0.0	1,330	0.0
4189 lumber	650,851	25.4	447	0.0	2,053	0.1	1,267	0.0
4190 forest products nec	952	0.4	11	0.0	38,280	15.5	873	1.8
Subtotal pulp and waste paper	77,896	6.2	66,122	0.6	118	0.0	14,974	0.1
4225 pulp & waste paper	77,896	6.2	66,122	0.6	118	0.0	14,974	0.1
Subtotal soil, sand, gravel, rock and stone	14,558,153	51.9	5,100,335	74.9	9,040,289	32.2	1,607	0.0
4310 building stone	5,419	4.9	54	0.0	775	0.7	959	0.7
4322 limestone	2,895,450	69.9	4,397,856	99.7	23,792	0.6	—	—
4323 gypsum	7,205,208	67.8	43,830	8.0	2,567,652	24.2	56	0.0
4327 phosphate rock	—	—	123,407	33.1	—	—	—	—
4331 sand & gravel	4,452,076	36.0	535,188	40.0	6,448,070	52.2	592	0.0
Subtotal iron ore and scrap	9,230,962	50.2	6,522,487	62.9	62	0.0	513,249	4.9
4410 iron ore	8,735,308	54.8	6,439,590	99.6	50	0.0	—	—
4420 iron & steel scrap	495,654	20.1	82,897	2.1	12	0.0	513,249	13.1
Subtotal marine shells	—	—	—	—	123	4.7	22	1.3
4515 marine shells	—	—	—	—	123	4.7	22	1.3
Subtotal non-ferrous ores and scrap	244,593	1.3	1,297,818	39.3	95,472	0.5	161,538	4.9
4630 copper ore	—	—	—	—	—	—	—	—
4650 aluminum ore	7,058	0.0	1,075,372	79.1	53,934	0.3	158,833	11.7

Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 1999 (continued)
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE IMPORTS AND EXPORTS
 (short tons)

Commodity	Canada				Mexico			
	Imports from	%	Exports to	%	Imports from	%	Exports to	%
4670 manganese ore	—	—	—	—	22,135	3.3	—	—
4680 non-ferrous scrap	208,314	21.6	155	0.0	4,826	0.5	2,135	0.4
4690 non-ferrous ores nec	29,221	2.2	222,291	16.1	14,577	1.1	570	0.0
Subtotal sulphur, clay and salt	2,286,604	57.5	397,132	8.5	651,557	16.4	120,147	2.6
4741 sulphur, (dry)	—	—	—	—	649,610	64.8	118,285	17.6
4782 clay & refrac. mat.	2,286,604	76.9	397,132	9.9	1,947	0.1	1,862	0.0
Subtotal slag	236,553	19.8	142,150	94.7	—	—	47	0.0
4860 slag	236,553	19.8	142,150	94.7	—	—	47	0.0
Subtotal other non-metal. min.	4,192,857	27.6	584,961	49.2	1,624,818	10.7	2,717	0.2
4900 non-metal. min. nec	4,192,857	27.6	584,961	49.2	1,624,818	10.7	2,717	0.2
Total primary manufactured goods	5,271,116	5.8	225,856	2.0	2,206,777	2.4	204,916	1.8
Subtotal paper products	1,116,124	22.4	9,961	0.1	6,072	0.1	121,530	1.7
5110 newsprint	984,308	69.8	4,885	0.7	351	0.0	10,563	1.4
5120 paper & paperboard	127,017	4.3	4,814	0.1	1,361	0.0	106,696	1.8
5190 paper products nec	4,799	0.8	262	0.0	4,360	0.8	4,271	0.8
Subtotal lime, cement and glass	3,626,684	10.1	205,135	14.0	67,056	0.2	10,493	0.7
5210 lime	6,669	64.6	—	—	—	—	—	—
5220 cement & concrete	3,593,893	12.6	203,847	55.5	25,868	0.1	1,964	0.5
5240 glass & glass prod.	945	0.1	411	0.1	13,543	1.2	3,637	0.9
5290 misc. mineral prod.	25,177	0.4	877	0.1	27,645	0.5	4,892	0.7
Subtotal primary iron and steel products	153,971	0.4	9,372	1.0	2,117,103	5.4	28,882	3.1
5312 pig iron	114,684	1.6	—	—	5	0.0	23	0.1
5315 ferro alloys	—	—	—	—	93,032	5.3	239	0.9
5320 i&s primary forms	30,239	0.4	—	—	1,789,529	21.2	930	1.5
5330 i&s plates & sheets	6,643	0.1	6,724	1.7	12,106	0.1	1,779	0.5
5360 i&s bars & shapes	814	0.0	271	0.3	176,599	2.8	2,720	2.6
5370 i&s pipe & tube	296	0.0	2,377	0.9	44,785	2.1	22,599	8.5
5390 primary i&s nec	1,295	0.1	—	—	1,047	0.1	592	2.1
Subtotal primary non-ferrous metal products	58,448	0.7	1,384	0.1	16,179	0.2	40,246	3.2
5421 copper	188	0.0	3	0.0	1,400	0.1	88	0.1
5422 aluminum	43,189	2.3	620	0.1	291	0.0	2,213	0.5
5429 smelted prod. nec	228	0.0	41	0.0	816	0.1	30,411	20.7
5480 fab. metal products	14,843	0.3	720	0.1	13,672	0.3	7,534	1.2
Subtotal primary wood products	315,889	13.2	4	0.0	367	0.0	3,765	0.8
5540 primary wood prod.	315,889	13.2	4	0.0	367	0.0	3,765	0.8
Total food and farm products	902,430	3.0	3,752,768	2.4	683,622	2.3	9,389,032	6.0
Subtotal fish	13,212	1.1	36,312	4.5	53,037	4.5	2,775	0.3
6134 fish (not shellfish)	11,097	1.7	33,667	4.9	35,480	5.4	2,323	0.3
6136 shellfish	2,115	0.4	2,645	2.2	17,557	3.4	452	0.4
Subtotal grain	671,664	37.9	2,161,322	2.3	78	0.0	7,255,311	7.7
6241 wheat	233,576	99.9	103,565	0.3	—	—	1,580,726	5.0
6344 corn	52,362	40.6	2,057,734	3.8	—	—	3,323,645	6.1
6442 rice	77	0.0	23	0.0	67	0.0	112,615	4.1
6443 barley & rye	211,438	100.0	—	—	—	—	27	0.0
6445 oats	174,211	21.5	—	—	11	0.0	—	—
6447 sorghum grains	—	—	—	—	—	—	2,238,298	53.6
Subtotal oilseeds	23,768	4.9	1,508,260	6.3	1,029	0.2	1,562,820	6.5
6521 peanuts	—	—	—	—	—	—	507	0.5
6522 soybeans	5,952	23.7	1,508,260	6.5	—	—	1,561,794	6.8
6534 flaxseed	73	26.0	—	—	—	—	—	—
6590 oilseeds nec	17,743	4.6	—	—	1,029	0.3	519	0.1
Subtotal vegetable products	86,028	3.0	1,256	0.0	24,700	0.8	302,717	6.6
6653 vegetable oils	11,599	1.0	82	0.0	4,733	0.4	297,347	14.0
6654 vegetables & prod.	74,429	4.2	1,174	0.0	19,967	1.1	5,370	0.2
Subtotal processed grain and animal feed	73,210	7.7	3,874	0.0	7,880	0.8	37,501	0.2
6746 wheat flour	3,238	32.8	26	0.0	46	0.5	14,986	1.4
6747 grain mill products	2,995	0.6	420	0.1	6,915	1.4	1,306	0.2
6781 hay & fodder	7,595	58.2	—	—	21	0.2	29	0.0
6782 animal feed, prep.	59,382	13.5	3,428	0.0	898	0.2	21,180	0.1
Subtotal other agricultural products	34,548	0.2	41,744	0.3	596,898	2.6	227,908	1.6
6811 meat, fresh, frozen	8,285	0.9	64	0.0	7,861	0.9	2,561	0.1
6817 meat, prepared	1,444	0.9	—	—	56	0.0	962	0.7
6822 dairy products	1,971	0.5	350	0.1	474	0.1	14,499	4.4
6835 fish, prepared	4,966	1.0	2,435	2.5	1,408	0.3	876	0.9
6838 tallow, animal oils	176	0.8	995	0.1	—	—	174,967	13.4
6839 animals & prod. nec	2,839	1.5	4,343	0.6	115	0.1	865	0.1
6856 bananas & plantains	—	—	21	0.2	10,948	0.2	—	—
6857 fruit & nuts nec	1,214	0.0	894	0.0	5,185	0.2	4,218	0.2
6858 fruit juices	1,253	0.1	797	0.1	14,850	0.8	5,885	0.7
6861 sugar	—	—	2,766	2.5	170,649	9.5	—	—
6865 molasses	—	—	22,475	6.3	186,203	17.5	—	—
6871 coffee	250	0.0	1,289	1.6	119,778	8.0	825	1.0
6872 cocoa beans	—	—	—	—	5,242	0.7	1,803	8.5
6885 alcoholic beverages	2,996	0.1	3,280	0.4	43,189	1.4	2,485	0.3
6888 water & ice	634	0.1	—	—	30	0.0	216	0.4
6889 food products nec	4,199	0.3	373	0.0	18,498	1.5	9,411	0.6
6891 tobacco & products	82	0.0	—	—	5,474	1.8	259	0.0
6893 cotton	—	—	1,610	0.2	449	0.3	7,727	1.2

Table 1-13: WATERBORNE TRADE WITH NAFTA PARTNERS, 1999 (continued)
 TONNAGE AND PERCENT OF TOTAL U.S. WATERBORNE IMPORTS AND EXPORTS
 (short tons)

Commodity	Canada				Mexico			
	Imports from	%	Exports to	%	Imports from	%	Exports to	%
6894 natural fibers nec	44	0.1	—	—	4,424	14.4	105	2.1
6899 farm products nec	4,195	3.1	52	0.0	2,065	1.5	244	0.1
Total all manufactured equipment, machinery and products	73,969	0.2	171,278	1.5	345,584	0.8	272,152	2.4
7110 machinery (not elec)	11,412	0.2	5,574	0.2	7,801	0.1	39,298	1.4
7120 electrical machinery	7,202	0.1	146,156	9.5	18,872	0.3	18,968	1.2
7210 vehicles & parts	22,360	0.3	866	0.1	213,895	2.9	61,647	3.8
7220 aircraft & parts	26	0.1	67	0.2	—	—	8	0.0
7230 ships & boats	1,584	2.4	14,582	5.6	93	0.1	58,857	22.6
7300 ordnance & access.	9	0.0	1	0.0	—	—	29	0.1
7400 manufac. wood prod.	13,580	1.7	312	0.1	1,577	0.2	742	0.2
7500 textile products	6,844	0.1	748	0.0	72,182	1.3	65,846	3.6
7600 rubber & plastic pr.	2,668	0.1	1,402	0.1	5,591	0.2	8,002	0.6
7900 manufac. prod. nec	8,284	0.1	1,570	0.1	25,573	0.2	18,755	1.3
Total unknown or not elsewhere classified	34,488	5.8	670	0.1	14,744	2.5	8,607	1.2
9900 unknown or nec	34,488	5.8	670	0.1	14,744	2.5	8,607	1.2

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
1990	2,163,854	1993	2,128,221	1996	2,284,065	1999	2,322,557
1991	2,092,108	1994	2,214,754	1997	2,333,142		
1992	2,133,310	1995	2,240,393	1998	2,339,500		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
Total, all commodities	2,322,557	860,775	399,996	1,061,787	228,802	113,887	624,575	88,650	5,873
Total coal	289,217	11,759	58,541	218,917	13,037	20,709	166,793	18,378	—
1100 coal lignite	281,515	8,554	58,225	214,736	13,020	20,421	163,137	18,157	—
1200 coal coke	7,702	3,205	316	4,181	16	288	3,655	221	—
Total petroleum and petroleum products	979,109	563,855	53,757	361,497	161,940	2,218	149,862	41,827	5,649
Subtotal crude petroleum	533,389	439,806	5,705	87,878	51,479	—	34,829	1,297	273
2100 crude petroleum	533,389	439,806	5,705	87,878	51,479	—	34,829	1,297	273
Subtotal petroleum products	445,720	124,049	48,052	273,619	110,461	2,218	115,033	40,531	5,376
2211 gasoline	110,557	18,404	4,140	88,012	48,970	571	29,469	6,777	2,226
2221 kerosene	11,033	6,736	994	3,303	2,046	—	872	226	160
2330 distillate fuel oil	93,091	25,781	4,148	63,161	26,242	212	24,486	10,438	1,782
2340 residual fuel oil	123,990	35,229	10,030	78,730	26,100	262	32,267	18,999	1,102
2350 lube oil & greases	18,029	10,901	1,583	5,545	1,886	—	3,269	391	—
2410 petro. jelly & waxes	502	180	78	243	126	—	113	4	—
2429 naphtha & solvents	25,472	15,278	4,263	5,931	490	—	4,056	1,385	—
2430 asphalt, tar & pitch	16,664	983	2,693	12,988	3,147	1,099	7,860	784	98
2540 petroleum coke	32,137	4,244	17,926	9,967	300	72	8,707	888	—
2640 liquid natural gas	10,075	6,312	2,197	1,566	304	1	1,235	26	—
2990 petro. products nec	4,172	—	—	4,172	849	2	2,699	614	8
Total chemicals and related products	155,660	28,141	52,199	75,320	14,312	140	50,010	10,786	73
Subtotal fertilizers	36,366	4,317	18,955	13,093	1,474	0	11,459	160	—
3110 nitrogenous fert.	11,589	2,830	2,099	6,660	298	0	6,304	58	—
3120 phosphatic fert.	2,942	88	749	2,104	158	—	1,891	55	—
3130 potassic fert.	5,005	1,011	2,852	1,142	39	—	1,092	11	—
3190 fert. & mixes nec	16,830	388	13,256	3,186	979	—	2,171	36	—
Subtotal other chemicals and related products	119,295	23,824	33,244	62,227	12,838	140	38,551	10,625	73
3211 acyclic hydrocarbons	3,547	489	839	2,219	36	—	2,007	176	—
3212 benzene & toluene	6,874	584	66	6,224	346	—	4,057	1,814	7
3219 other hydrocarbons	18,913	489	5,525	12,899	2,442	—	8,596	1,794	66
3220 alcohols	14,752	4,626	2,090	8,036	647	—	5,728	1,662	—
3230 carboxylic acids	4,478	736	1,912	1,830	145	—	955	731	—
3240 nitrogen func. comp.	3,420	362	1,619	1,439	17	—	1,411	11	—
3250 organo - inorg. comp.	1,007	338	630	39	1	—	29	9	—
3260 organic comp. nec	7,895	4,742	1,905	1,248	237	—	964	46	—
3271 sulphur (liquid)	7,090	0	43	7,047	3,605	—	3,247	196	—
3272 sulphuric acid	2,631	799	22	1,810	6	—	1,485	320	—
3273 ammonia	6,538	3,811	777	1,950	96	—	1,846	7	—
3274 sodium hydroxide	10,872	591	3,219	7,062	1,869	—	4,477	716	—
3275 inorg. elem., oxides, & halogen salts	3,618	1,051	993	1,574	89	0	744	741	—
3276 metallic salts	6,376	974	4,221	1,182	82	140	876	83	—

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE
 BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise	Lakewise	Internal	Inraport	Intra-Territory
3279 inorganic chem. nec	458	213	55	190	2	—	188	—	—
3281 radioactive material	44	31	10	2	2	—	—	—	—
3282 pigments & paints	870	253	571	46	44	—	2	0	—
3283 coloring mat. nec	205	133	70	2	2	—	—	—	—
3284 medicines	378	107	140	131	129	—	1	1	—
3285 perfumes & cleansers	1,124	303	679	142	138	—	4	—	—
3286 plastics	7,560	2,074	5,376	111	107	—	3	—	—
3291 pesticides	292	78	186	27	27	—	—	0	—
3292 starches, gluten, glue	651	362	273	16	16	—	—	—	—
3293 explosives	98	84	9	5	3	—	2	0	—
3297 chemical additives	7,210	96	795	6,319	2,406	—	1,645	2,268	—
3298 wood & resin chem.	529	54	294	181	134	—	46	—	—
3299 chem. products nec	1,866	444	924	498	210	—	237	51	—
Total crude materials, inedible except fuels*	386,629	92,754	54,549	239,326	16,828	86,838	122,861	12,798	—
Subtotal forest products, wood and chips	38,908	5,381	17,465	16,062	2,511	0	12,314	1,237	—
4110 rubber & gums	1,342	1,329	8	5	5	—	0	—	—
4150 fuel wood	276	18	156	102	41	—	60	0	—
4161 wood chips	15,023	183	8,659	6,181	953	0	5,222	6	—
4170 wood in the rough	15,776	1,046	5,869	8,860	727	0	6,903	1,231	—
4189 lumber	6,105	2,559	2,724	822	766	0	56	0	—
4190 forest products nec	388	246	49	92	20	—	73	—	—
Subtotal pulp and waste paper	11,997	1,246	10,588	163	41	—	122	0	—
4225 pulp & waste paper	11,997	1,246	10,588	163	41	—	122	0	—
Subtotal soil, sand, gravel, rock and stone*	175,483	28,060	6,808	140,615	12,581	30,383	86,937	10,713	—
4310 building stone	274	110	144	21	0	—	21	—	—
4322 limestone	65,006	4,143	4,410	56,453	866	28,702	26,854	31	—
4323 gypsum	13,680	10,620	545	2,515	1	1,040	1,474	—	—
4327 phosphate rock	6,653	824	373	5,456	5,437	—	19	—	—
4331 sand & gravel	89,827	12,363	1,337	76,128	6,246	641	58,558	10,682	—
4338 soil & fill dirt	42	—	—	42	31	—	11	—	—
Subtotal iron ore and scrap	93,357	18,401	10,372	64,585	963	54,497	8,396	730	—
4410 iron ore	80,549	15,935	6,468	58,147	1	54,299	3,496	351	—
4420 iron & steel scrap	12,808	2,466	3,904	6,438	961	198	4,900	379	—
Subtotal marine shells	285	3	2	280	0	—	274	6	—
4515 marine shells	285	3	2	280	0	—	274	6	—
Subtotal non-ferrous ores and scrap	27,209	19,289	3,306	4,614	422	—	4,168	24	—
4630 copper ore	156	120	27	9	4	—	6	—	—
4650 aluminum ore	21,059	16,189	1,359	3,511	415	—	3,073	22	—
4670 manganese ore	1,238	662	19	557	—	—	556	1	—
4680 non-ferrous scrap	1,497	964	523	10	3	—	7	—	—
4690 non-ferrous ores nec	3,259	1,354	1,378	527	0	—	526	—	—
Subtotal sulphur, clay and salt	10,213	3,977	4,670	1,566	161	11	1,391	3	—
4741 sulphur, (dry)	1,674	1,002	672	0	0	—	—	—	—
4782 clay & refrac. mat.	8,539	2,975	3,998	1,566	161	11	1,391	3	—
Subtotal slag	3,091	1,197	150	1,743	31	701	1,012	—	—
4860 slag	3,091	1,197	150	1,743	31	701	1,012	—	—

* Does not include 6.5 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, 1999 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory
Subtotal other non-metal. min.	26,087	15,200	1,189	9,698	118	1,246	8,249	84	—
4900 non-metal. min. nec	26,087	15,200	1,189	9,698	118	1,246	8,249	84	—
Total primary manufactured goods	147,356	91,046	11,302	45,008	7,552	3,705	32,806	945	—
Subtotal paper products	12,775	4,972	7,162	641	416	—	225	—	—
5110 newsprint	2,168	1,411	732	25	11	—	14	—	—
5120 paper & paperboard	9,121	2,981	5,876	264	196	—	68	—	—
5190 paper products nec	1,486	580	554	352	209	—	143	—	—
Subtotal lime, cement and glass	58,312	35,820	1,470	21,022	2,753	3,459	14,041	768	—
5210 lime	3,342	10	3	3,328	0	—	3,327	1	—
5220 cement & concrete	46,166	28,612	367	17,186	2,456	3,459	10,544	728	—
5240 glass & glass prod.	1,569	1,097	396	76	64	—	12	—	—
5290 misc. mineral prod.	7,235	6,101	703	431	232	0	158	40	—
Subtotal primary iron and steel products	56,186	39,292	919	15,975	103	245	15,478	148	—
5312 pig iron	12,374	7,001	42	5,331	10	—	5,318	3	—
5315 ferro alloys	3,040	1,763	26	1,251	—	—	1,247	5	—
5320 i&s primary forms	10,031	8,453	63	1,515	0	—	1,505	9	—
5330 i&s plates & sheets	17,148	12,672	388	4,088	2	233	3,829	24	—
5360 i&s bars & shapes	8,012	6,342	106	1,564	32	—	1,519	12	—
5370 i&s pipe & tube	3,154	2,099	266	788	36	1	677	75	—
5390 primary i&s nec	2,427	962	28	1,437	22	12	1,383	21	—
Subtotal primary non-ferrous metal products	17,122	8,572	1,274	7,276	4,209	0	3,038	29	—
5421 copper	1,144	1,039	80	25	11	—	13	1	—
5422 aluminum	2,791	1,880	421	490	13	—	475	1	—
5429 smelted prod. nec	2,452	932	147	1,373	11	—	1,361	0	—
5480 fab. metal products	10,735	4,720	627	5,388	4,174	0	1,189	26	—
Subtotal primary wood products	2,961	2,390	477	95	71	—	23	—	—
5540 primary wood prod.	2,961	2,390	477	95	71	—	23	—	—
Total food and farm products*	287,866	30,171	157,681	100,014	7,137	223	92,164	489	0
Subtotal fish*	2,131	1,177	813	141	141	0	—	—	—
6134 fish (not shellfish)	1,457	657	691	109	109	0	—	—	—
6136 shellfish	674	520	122	32	32	—	—	—	—
Subtotal grain	152,731	1,773	94,139	56,819	491	222	55,936	169	—
6241 wheat	44,460	234	31,747	12,479	165	222	11,960	132	—
6344 corn	95,872	129	54,859	40,884	211	—	40,641	32	—
6442 rice	4,685	389	2,740	1,557	114	—	1,443	—	—
6443 barley & rye	1,122	212	604	307	0	—	306	1	—
6445 oats	1,071	810	10	251	1	—	250	—	—
6447 sorghum grains	5,520	0	4,179	1,340	0	—	1,337	4	—
Subtotal oilseeds	48,932	482	23,861	24,590	71	—	24,495	24	—
6521 peanuts	168	70	97	0	0	—	—	—	—
6522 soybeans	43,013	25	23,067	19,922	5	—	19,897	20	—
6534 flaxseed	1	0	1	0	0	—	—	—	—
6590 oilseeds nec	5,749	386	696	4,668	66	—	4,598	4	—
Subtotal vegetable products	9,137	2,907	4,553	1,677	305	—	1,351	20	0
6653 vegetable oils	4,588	1,123	2,118	1,347	60	—	1,268	20	—
6654 vegetables & prod.	4,549	1,785	2,435	329	246	—	84	—	0

* Does not include 1.1 million short tons of internal and intraport fish.

Table 2-1: SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE
 BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise	Lakewise	Internal	Inraport	Intra-Territory
Subtotal processed grain and animal feed	29,681	945	20,500	8,236	484	0	7,647	106	—
6746 wheat flour	1,252	10	1,108	133	34	—	99	—	—
6747 grain mill products	1,802	483	709	611	273	0	338	0	—
6781 hay & fodder	3,420	13	3,328	79	5	—	75	—	—
6782 animal feed, prep.	23,207	439	15,355	7,412	171	—	7,135	105	—
Subtotal other agricultural products	45,253	22,886	13,815	8,553	5,645	1	2,735	171	—
6811 meat, fresh, frozen	5,078	923	3,929	226	225	—	0	—	—
6817 meat, prepared	350	160	148	43	43	—	—	—	—
6822 dairy products	909	426	327	156	126	—	30	—	—
6835 fish, prepared	893	513	97	283	266	—	17	0	—
6838 tallow, animal oils	1,350	21	1,308	20	8	—	2	11	—
6839 animals & prod. nec	967	193	694	79	76	—	3	—	—
6856 bananas & plantains	5,603	5,583	14	7	7	—	—	—	—
6857 fruit & nuts nec	4,628	2,488	2,032	109	108	1	—	—	—
6858 fruit juices	3,019	1,886	808	325	325	—	0	—	—
6861 sugar	3,989	1,795	111	2,084	1,392	—	621	70	—
6865 molasses	2,267	1,066	355	846	375	—	444	27	—
6871 coffee	1,604	1,498	82	24	24	—	—	—	—
6872 cocoa beans	855	783	21	51	12	—	—	39	—
6885 alcoholic beverages	4,694	3,192	782	719	661	—	59	—	—
6887 groceries	762	—	—	762	725	0	36	1	—
6888 water & ice	1,965	513	48	1,404	55	—	1,326	22	—
6889 food products nec	4,071	1,205	1,554	1,312	1,136	0	177	—	—
6891 tobacco & products	949	312	621	17	17	—	—	—	—
6893 cotton	831	162	663	6	6	—	—	—	—
6894 natural fibers nec	37	31	5	1	1	—	—	—	—
6899 farm products nec	432	137	217	79	59	0	20	—	—
Total all manufactured equipment, machinery and products	71,512	42,457	11,261	17,793	7,950	30	9,216	446	151
7110 machinery (not elec)	16,492	6,102	2,789	7,601	351	1	7,169	24	57
7120 electrical machinery	8,236	6,526	1,531	179	168	—	11	—	—
7210 vehicles & parts	10,190	7,356	1,631	1,203	1,189	0	13	1	—
7220 aircraft & parts	48	19	29	1	1	—	—	—	—
7230 ships & boats	337	66	260	10	7	—	4	0	—
7300 ordnance & access.	92	37	55	1	1	—	—	—	—
7400 manufac. wood prod.	1,303	804	307	192	132	0	59	0	—
7500 textile products	7,889	5,741	1,852	296	261	—	35	—	—
7600 rubber & plastic pr.	5,195	3,633	1,334	227	82	—	146	—	—
7800 empty containers	324	—	—	324	4	—	317	3	—
7900 manufac. prod. nec	21,407	12,174	1,473	7,759	5,755	29	1,463	418	94
Total waste and scrap nec	3,841	—	—	3,841	1	0	860	2,980	—
8900 waste and scrap nec	3,841	—	—	3,841	1	0	860	2,980	—
Total unknown or not elsewhere classified	1,369	592	705	72	46	24	2	—	—
9900 unknown or nec	1,369	592	705	72	46	24	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
1990	833,543	1993	789,657	1996	764,686	1999	655,861
1991	848,399	1994	814,919	1997	707,409		
1992	856,684	1995	807,727	1998	672,795		

Freight Traffic, 1999 (million short ton-miles)

Commodity	Grand Total	Coastwise	Lakewise	Internal	Intrпорт
Total, all commodities	655,861	292,729	57,045	304,724	1,362
Total coal	82,404	8,475	10,928	62,513	487
1100 coal lignite	79,443	8,461	10,803	59,704	474
1200 coal coke	2,961	14	124	2,809	13
Total petroleum and petroleum products	252,698	213,055	677	38,509	456
Subtotal crude petroleum	100,012	95,562	—	4,435	15
2100 crude petroleum	100,012	95,562	—	4,435	15
Subtotal petroleum products	152,685	117,492	677	34,074	441
2211 gasoline	63,879	55,777	191	7,825	84
2221 kerosene	3,252	3,075	—	173	3
2330 distillate fuel oil	34,353	27,715	52	6,443	141
2340 residual fuel oil	27,294	21,002	46	6,102	143
2350 lube oil & greases	6,878	4,284	—	2,592	2
2410 petro. jelly & waxes	357	290	—	67	0
2429 naphtha & solvents	2,180	1,026	—	1,142	11
2430 asphalt, tar & pitch	7,186	2,743	356	4,074	12
2540 petroleum coke	5,198	431	30	4,700	36
2640 liquid natural gas	632	236	0	396	0
2990 petro. products nec	1,470	909	0	555	5
Total chemicals and related products	59,451	29,483	47	29,783	136
Subtotal fertilizers	10,854	1,591	0	9,260	2
3110 nitrogenous fert.	5,673	551	0	5,121	0
3120 phosphatic fert.	1,065	122	—	942	0
3130 potassic fert.	711	51	—	659	0
3190 fert. & mixes nec	3,404	865	—	2,537	1
Subtotal other chemicals and related products	48,596	27,892	47	20,523	134
3211 acyclic hydrocarbons	686	155	—	529	1
3212 benzene & toluene	2,526	1,455	—	1,038	32
3219 other hydrocarbons	11,824	5,213	—	6,590	20
3220 alcohols	5,315	1,477	—	3,817	20
3230 carboxylic acids	876	354	—	516	5
3240 nitrogen func. comp.	941	42	—	898	0
3250 organo - inorg. comp.	3	1	—	1	0
3260 organic comp. nec	1,203	591	—	611	0
3271 sulphur (liquid)	3,703	3,434	—	266	2
3272 sulphuric acid	258	3	—	249	5
3273 ammonia	1,250	162	—	1,088	0
3274 sodium hydroxide	7,115	3,879	—	3,222	13
3275 inorg. elem., oxides, & halogen salts	922	340	0	574	7
3276 metallic salts	655	132	47	474	0
3279 inorganic chem. nec	241	2	—	239	—
3281 radioactive material	6	6	—	—	—
3282 pigments & paints	89	88	—	1	0
3283 coloring mat. nec	3	3	—	—	—
3284 medicines	206	205	—	0	0
3285 perfumes & cleansers	256	256	—	0	—
3286 plastics	202	200	—	2	—
3291 pesticides	48	48	—	—	0
3292 starches, gluten, glue	21	21	—	—	—
3293 explosives	6	5	—	0	0
3297 chemical additives	9,142	8,873	—	245	23
3298 wood & resin chem.	559	556	—	2	—
3299 chem. products nec	530	378	—	151	0
Total crude materials, inedible except fuels*	103,674	10,201	44,077	49,207	187
Subtotal forest products, wood and chips	4,891	2,057	0	2,792	40
4110 rubber & gums	6	6	—	0	—
4150 fuel wood	74	48	—	26	0
4161 wood chips	2,445	475	0	1,970	0
4170 wood in the rough	1,107	350	0	715	40
4189 lumber	1,176	1,144	0	32	0
4190 forest products nec	79	31	—	48	—
Subtotal pulp and waste paper	90	70	—	20	0
4225 pulp & waste paper	90	70	—	20	0
Subtotal soil, sand, gravel, rock and stone*	38,661	6,404	9,251	22,865	139
4310 building stone	18	0	—	18	—

* Ton-miles not computed for 6.5 million short tons of waterway improvement material.

Table 2-2: SUMMARY OF WATERBORNE COMMERCE TON-MILES
 BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1999 - continued

Commodity	Grand Total	Coastwise	Lakewise	Internal	Intraport
4322 limestone	22,076	382	8,733	12,960	0
4323 gypsum	1,555	1	387	1,166	—
4327 phosphate rock	4,917	4,916	—	1	—
4331 sand & gravel	10,045	1,057	130	8,717	139
4338 soil & fill dirt	48	46	—	1	—
Subtotal iron ore and scrap	42,912	1,160	34,257	7,488	5
4410 iron ore	38,300	0	34,094	4,205	0
4420 iron & steel scrap	4,612	1,159	163	3,283	5
Subtotal marine shells	41	0	—	40	0
4515 marine shells	41	0	—	40	0
Subtotal non-ferrous ores and scrap	5,676	294	—	5,381	0
4630 copper ore	6	5	—	0	—
4650 aluminum ore	4,262	282	—	3,980	0
4670 manganese ore	766	—	—	766	0
4680 non-ferrous scrap	15	6	—	8	—
4690 non-ferrous ores nec	625	0	—	625	—
Subtotal sulphur, clay and salt	469	49	0	418	0
4741 sulphur, (dry)	0	0	—	—	—
4782 clay & refrac. mat.	469	49	0	418	0
Subtotal slag	1,115	23	256	835	—
4860 slag	1,115	23	256	835	—
Subtotal other non-metal. min.	9,816	140	312	9,362	1
4900 non-metal. min. nec	9,816	140	312	9,362	1
Total primary manufactured goods	33,838	4,625	1,094	28,096	21
Subtotal paper products	903	773	—	130	—
5110 newsprint	40	19	—	20	—
5120 paper & paperboard	384	333	—	51	—
5190 paper products nec	478	419	—	58	—
Subtotal lime, cement and glass	11,408	1,814	1,087	8,486	19
5210 lime	1,329	0	—	1,329	0
5220 cement & concrete	9,438	1,220	1,087	7,111	19
5240 glass & glass prod.	98	87	—	10	—
5290 misc. mineral prod.	541	506	0	35	0
Subtotal primary iron and steel products	17,593	161	7	17,424	1
5312 pig iron	6,145	4	—	6,140	0
5315 ferro alloys	1,811	—	—	1,811	0
5320 i&s primary forms	1,746	0	—	1,745	0
5330 i&s plates & sheets	4,072	4	6	4,060	0
5360 i&s bars & shapes	1,756	81	—	1,674	0
5370 i&s pipe & tube	562	47	0	513	0
5390 primary i&s nec	1,500	21	0	1,478	0
Subtotal primary non-ferrous metal products	3,722	1,686	0	2,035	0
5421 copper	25	13	—	11	0
5422 aluminum	521	18	—	503	0
5429 smelted prod. nec	396	17	—	378	0
5480 fab. metal products	2,779	1,636	0	1,141	0
Subtotal primary wood products	209	189	—	20	—
5540 primary wood prod.	209	189	—	20	—
Total food and farm products*	109,095	13,290	218	95,580	5
Subtotal fish*	235	235	0	—	—
6134 fish (not shellfish)	195	195	0	—	—
6136 shellfish	39	39	—	—	—
Subtotal grain	61,243	950	218	60,070	2
6241 wheat	8,440	276	218	7,942	2
6344 corn	50,512	404	—	50,108	0
6442 rice	1,024	267	—	757	—
6443 barley & rye	90	0	—	90	0
6445 oats	221	2	—	218	—
6447 sorghum grains	953	0	—	953	0
Subtotal oilseeds	25,666	130	—	25,535	0
6521 peanuts	0	0	—	—	—
6522 soybeans	21,083	7	—	21,075	0
6534 flaxseed	0	0	—	—	—
6590 oilseeds nec	4,583	122	—	4,460	0
Subtotal vegetable products	1,787	615	—	1,171	0
6653 vegetable oils	1,231	95	—	1,135	0
6654 vegetables & prod.	556	519	—	36	—
Subtotal processed grain and animal feed	8,882	1,002	0	7,879	0
6746 wheat flour	157	97	—	60	—
6747 grain mill products	853	472	0	381	0
6781 hay & fodder	27	8	—	18	—
6782 animal feed, prep.	7,844	424	—	7,418	0
Subtotal other agricultural products	11,280	10,355	0	923	1
6811 meat, fresh, frozen	446	446	—	0	—
6817 meat, prepared	78	78	—	—	—

* Ton-miles not computed for 1.1 million short tons of internal and intraport fish.

Table 2-2: SUMMARY OF WATERBORNE COMMERCE TON-MILES
 BY TYPE OF TRAFFIC AND COMMODITY
 Freight Traffic, 1999 - continued

Commodity	Grand Total	Coastwise	Lakewise	Internal	Intraport
6822 dairy products	252	245	—	7	—
6835 fish, prepared	1,363	1,349	—	14	0
6838 tallow, animal oils	16	13	—	2	0
6839 animals & prod. nec	100	99	—	0	—
6856 bananas & plantains	18	18	—	—	—
6857 fruit & nuts nec	251	251	0	—	—
6858 fruit juices	603	602	—	0	—
6861 sugar	2,586	2,305	—	280	0
6865 molasses	979	623	—	356	0
6871 coffee	40	40	—	—	—
6872 cocoa beans	9	9	—	—	0
6885 alcoholic beverages	1,046	977	—	68	—
6887 groceries	1,362	1,337	0	25	0
6888 water & ice	61	27	—	33	0
6889 food products nec	1,860	1,744	0	115	—
6891 tobacco & products	27	27	—	—	—
6893 cotton	7	7	—	—	—
6894 natural fibers nec	2	2	—	—	—
6899 farm products nec	164	145	0	19	—
Total all manufactured equipment, machinery and products	14,370	13,503	0	863	3
7110 machinery (not elec)	922	720	0	200	0
7120 electrical machinery	260	250	—	10	—
7210 vehicles & parts	1,390	1,381	0	8	0
7220 aircraft & parts	1	1	—	—	—
7230 ships & boats	11	8	—	2	0
7300 ordnance & access.	2	2	—	—	—
7400 manufac. wood prod.	249	227	0	22	0
7500 textile products	838	795	—	43	—
7600 rubber & plastic pr.	220	131	—	88	—
7800 empty containers	62	5	—	57	0
7900 manufac. prod. nec	10,412	9,980	0	429	2
Total waste and scrap nec	233	1	0	168	63
8900 waste and scrap nec	233	1	0	168	63
Total unknown or not elsewhere classified	94	93	0	0	—
9900 unknown or nec	94	93	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
1990	776,146	1993	753,287	1996	802,275	1999	806,837
1991	749,654	1994	782,014	1997	820,432		
1992	762,540	1995	786,560	1998	816,843		

Freight Traffic, 1999 (thousand short tons)

Commodity	Barge-Traffic						Domestic	
	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory	%-Barge	Traffic
Total, all commodities	806,837	107,134	11,700	599,199	85,710	3,093	76.0	1,061,787
Total coal	195,972	10,455	352	166,787	18,378	—	89.5	218,917
1100 coal lignite	192,061	10,438	334	163,131	18,157	—	89.4	214,736
1200 coal coke	3,911	16	18	3,655	221	—	93.5	4,181
Total petroleum and petroleum products	247,967	61,481	2,041	140,808	40,544	3,093	68.6	361,497
Subtotal crude petroleum	30,414	974	—	27,870	1,297	273	34.6	87,878
2100 crude petroleum	30,414	974	—	27,870	1,297	273	34.6	87,878
Subtotal petroleum products	217,553	60,507	2,041	112,938	39,247	2,820	79.5	273,619
2211 gasoline	57,681	21,836	485	28,723	6,355	282	65.5	88,012
2221 kerosene	1,856	694	—	870	212	79	56.2	3,303
2330 distillate fuel oil	49,209	14,514	166	23,167	10,014	1,348	77.9	63,161
2340 residual fuel oil	71,445	19,233	247	32,249	18,615	1,102	90.7	78,730
2350 lube oil & greases	3,991	373	—	3,262	356	—	72.0	5,545
2410 petro. jelly & waxes	127	14	—	109	4	—	52.3	243
2429 naphtha & solvents	5,515	78	—	4,056	1,380	—	93.0	5,931
2430 asphalt, tar & pitch	12,479	2,750	1,085	7,860	784	—	96.1	12,988
2540 petroleum coke	9,952	300	57	8,707	888	—	99.8	9,967
2640 liquid natural gas	1,561	299	—	1,235	26	—	99.7	1,566
2990 petro. products nec	3,737	415	2	2,699	613	8	89.6	4,172
Total chemicals and related products	64,661	5,613	140	48,147	10,761	—	85.8	75,320
Subtotal fertilizers	12,977	1,359	—	11,458	160	—	99.1	13,093
3110 nitrogenous fert.	6,601	238	—	6,304	58	—	99.1	6,660
3120 phosphatic fert.	2,104	158	—	1,891	55	—	100.0	2,104
3130 potassic fert.	1,141	39	—	1,092	11	—	99.9	1,142
3190 fert. & mixes nec	3,131	923	—	2,171	36	—	98.3	3,186
Subtotal other chemicals and related products	51,683	4,254	140	36,688	10,601	—	83.1	62,227
3211 acyclic hydrocarbons	2,195	13	—	2,007	176	—	98.9	2,219
3212 benzene & toluene	5,910	40	—	4,057	1,813	—	95.0	6,224
3219 other hydrocarbons	11,462	1,072	—	8,596	1,794	—	88.9	12,899
3220 alcohols	7,519	134	—	5,724	1,662	—	93.6	8,036
3230 carboxylic acids	1,709	24	—	955	731	—	93.4	1,830
3240 nitrogen func. comp.	1,423	0	—	1,411	11	—	98.8	1,439
3250 organo - inorg. comp.	38	0	—	29	9	—	97.5	39
3260 organic comp. nec	1,015	4	—	964	46	—	81.4	1,248
3271 sulphur (liquid)	2,736	1,121	—	1,419	196	—	38.8	7,047
3272 sulphuric acid	1,809	5	—	1,485	320	—	100.0	1,810
3273 ammonia	1,854	1	—	1,846	7	—	95.1	1,950
3274 sodium hydroxide	6,489	1,297	—	4,477	716	—	91.9	7,062
3275 inorg. elem., oxides, & halogen salts	1,552	73	—	737	741	—	98.6	1,574
3276 metallic salts	1,126	41	140	863	83	—	95.3	1,182
3279 inorganic chem. nec	189	1	—	188	—	—	99.6	190
3281 radioactive material	0	0	—	—	—	—	5.8	2
3282 pigments & paints	12	10	—	2	—	—	25.4	46
3283 coloring mat. nec	1	1	—	—	—	—	54.9	2
3284 medicines	19	17	—	1	1	—	14.4	131
3285 perfumes & cleansers	34	30	—	4	—	—	24.3	142
3286 plastics	24	20	—	3	—	—	21.4	111
3291 pesticides	2	1	—	—	0	—	6.7	27
3292 starches, gluten, glue	7	7	—	—	—	—	41.3	16
3293 explosives	3	1	—	2	0	—	58.1	5
3297 chemical additives	4,136	246	—	1,645	2,245	—	65.5	6,319
3298 wood & resin chem.	47	1	—	46	—	—	26.1	181
3299 chem. products nec	372	95	—	227	51	—	74.6	498
Total crude materials, inedible except fuels	151,960	16,207	7,567	117,003	11,183	—	63.5	239,326
Subtotal forest products, wood and chips	9,568	1,994	0	7,538	36	—	59.6	16,062
4110 rubber & gums	3	3	—	0	—	—	63.0	5
4150 fuel wood	83	23	—	60	0	—	81.7	102
4161 wood chips	6,181	953	—	5,222	6	—	100.0	6,181
4170 wood in the rough	2,609	407	—	2,173	29	—	29.5	8,860
4189 lumber	655	600	0	55	0	—	79.7	822
4190 forest products nec	36	9	—	28	—	—	39.1	92

Table 2-3: DOMESTIC BARGE TRAFFIC
BY TYPE OF TRAFFIC AND COMMODITY
Freight Traffic, 1999 - continued
(thousand short tons)

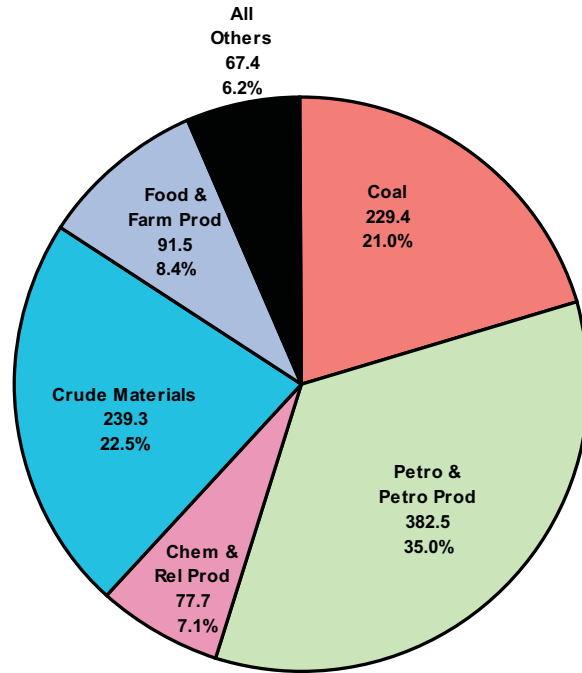
Commodity	Barge-Traffic						Domestic	
	Total	Coastwise	Lakewise	Internal	Inraport	Intra-Territory	%-Barge	Traffic
Subtotal pulp and waste paper	146	24	—	122	0	—	89.6	163
4225 pulp & waste paper	146	24	—	122	0	—	89.6	163
Subtotal soil, sand, gravel, rock and stone	113,831	12,563	3,731	86,840	10,697	—	81.0	140,615
4310 building stone	21	0	—	21	—	—	99.8	21
4322 limestone	31,345	864	3,613	26,854	15	—	55.5	56,453
4323 gypsum	1,475	0	1	1,474	—	—	58.6	2,515
4327 phosphate rock	5,456	5,437	—	19	—	—	100.0	5,456
4331 sand & gravel	75,498	6,239	117	58,461	10,682	—	99.2	76,128
4338 soil & fill dirt	35	24	—	11	—	—	83.2	42
Subtotal iron ore and scrap	13,257	935	3,546	8,396	381	—	20.5	64,585
4410 iron ore	6,956	1	3,457	3,496	2	—	12.0	58,147
4420 iron & steel scrap	6,301	934	88	4,900	379	—	97.9	6,438
Subtotal marine shells	255	—	—	255	—	—	90.8	280
4515 marine shells	255	—	—	255	—	—	90.8	280
Subtotal non-ferrous ores and scrap	4,590	415	—	4,168	7	—	99.5	4,614
4630 copper ore	6	—	—	6	—	—	61.2	9
4650 aluminum ore	3,494	415	—	3,073	5	—	99.5	3,511
4670 manganese ore	557	—	—	556	1	—	100.0	557
4680 non-ferrous scrap	7	0	—	7	—	—	69.1	10
4690 non-ferrous ores nec	526	—	—	526	—	—	100.0	527
Subtotal sulphur, clay and salt	814	154	—	658	1	—	52.0	1,566
4782 clay & refrac. mat.	814	154	—	658	1	—	52.0	1,566
Subtotal slag	1,333	30	290	1,012	—	—	76.4	1,743
4860 slag	1,333	30	290	1,012	—	—	76.4	1,743
Subtotal other non-metal. min.	8,167	91	—	8,015	61	—	84.2	9,698
4900 non-metal. min. nec	8,167	91	—	8,015	61	—	84.2	9,698
Total primary manufactured goods	41,851	6,775	1,599	32,535	943	—	93.0	45,008
Subtotal paper products	319	108	—	210	—	—	49.7	641
5110 newsprint	17	2	—	14	—	—	67.2	25
5120 paper & paperboard	78	10	—	68	—	—	29.6	264
5190 paper products nec	224	96	—	128	—	—	63.5	352
Subtotal lime, cement and glass	18,647	2,559	1,354	13,967	767	—	88.7	21,022
5210 lime	3,328	0	—	3,327	—	—	100.0	3,328
5220 cement & concrete	14,981	2,431	1,354	10,469	727	—	87.2	17,186
5240 glass & glass prod.	35	23	—	12	—	—	46.1	76
5290 misc. mineral prod.	303	105	0	158	40	—	70.3	431
Subtotal primary iron and steel products	15,834	73	245	15,368	148	—	99.1	15,975
5312 pig iron	5,329	8	—	5,318	3	—	100.0	5,331
5315 ferro alloys	1,251	—	—	1,247	5	—	100.0	1,251
5320 i&s primary forms	1,514	—	—	1,505	9	—	100.0	1,515
5330 i&s plates & sheets	4,087	1	233	3,829	24	—	100.0	4,088
5360 i&s bars & shapes	1,547	16	—	1,519	12	—	99.0	1,564
5370 i&s pipe & tube	670	28	1	567	75	—	85.0	788
5390 primary i&s nec	1,436	21	12	1,383	21	—	99.9	1,437
Subtotal primary non-ferrous metal products	6,987	3,993	0	2,967	28	—	96.0	7,276
5421 copper	15	1	—	13	1	—	62.0	25
5422 aluminum	481	4	—	475	1	—	98.2	490
5429 smelted prod. nec	1,365	3	—	1,361	0	—	99.4	1,373
5480 fab. metal products	5,126	3,984	0	1,117	25	—	95.1	5,388
Subtotal primary wood products	65	42	—	23	—	—	68.6	95
5540 primary wood prod.	65	42	—	23	—	—	68.6	95
Total food and farm products	94,720	3,325	—	90,909	486	—	94.7	100,014
Subtotal fish	31	31	—	—	—	—	22.2	141
6134 fish (not shellfish)	24	24	—	—	—	—	22.2	109
6136 shellfish	7	7	—	—	—	—	22.5	32
Subtotal grain	56,531	426	—	55,936	169	—	99.5	56,819
6241 wheat	12,257	165	—	11,960	132	—	98.2	12,479
6344 corn	40,883	210	—	40,641	32	—	100.0	40,884
6442 rice	1,492	50	—	1,443	—	—	95.9	1,557
6443 barley & rye	307	—	—	306	1	—	100.0	307
6445 oats	251	1	—	250	—	—	100.0	251
6447 sorghum grains	1,340	—	—	1,337	4	—	100.0	1,340
Subtotal oilseeds	24,579	60	—	24,495	24	—	100.0	24,590
6521 peanuts	0	0	—	—	—	—	4.4	0
6522 soybeans	19,922	5	—	19,897	20	—	100.0	19,922
6590 oilseeds nec	4,657	56	—	4,598	4	—	99.8	4,668

Table 2-3: DOMESTIC BARGE TRAFFIC
BY TYPE OF TRAFFIC AND COMMODITY
Freight Traffic, 1999 - continued
(thousand short tons)

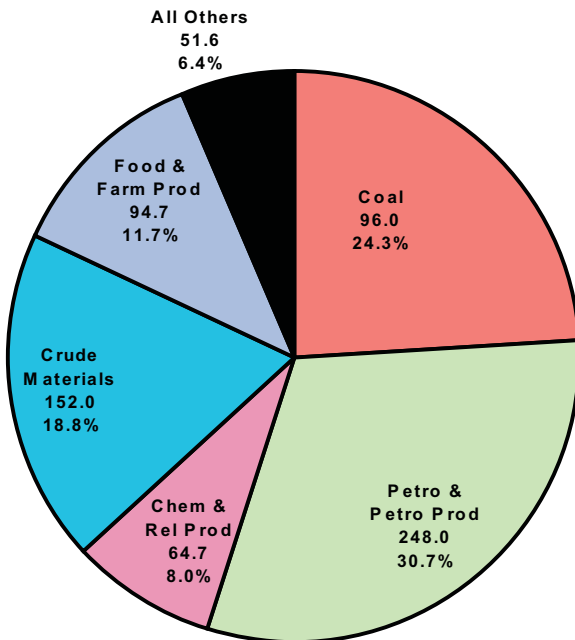
Commodity	Barge-Traffic						Domestic	
	Total	Coastwise	Lakewise	Internal	Intraport	Intra-Territory	%-Barge	Traffic
Subtotal vegetable products	1,476	105	—	1,351	20	—	88.1	1,677
6653 vegetable oils	1,339	51	—	1,268	20	—	99.4	1,347
6654 vegetables & prod.	138	54	—	84	—	—	41.8	329
Subtotal processed grain and animal feed	8,074	321	—	7,647	105	—	98.0	8,236
6746 wheat flour	106	7	—	99	—	—	79.4	133
6747 grain mill products	591	253	—	338	—	—	96.7	611
6781 hay & fodder	77	2	—	75	—	—	96.4	79
6782 animal feed, prep.	7,300	60	—	7,135	105	—	98.5	7,412
Subtotal other agricultural products	4,028	2,380	—	1,481	167	—	47.1	8,553
6811 meat, fresh, frozen	40	39	—	0	—	—	17.6	226
6817 meat, prepared	3	3	—	—	—	—	6.6	43
6822 dairy products	84	54	—	30	—	—	54.0	156
6835 fish, prepared	34	17	—	17	0	—	12.0	283
6838 tallow, animal oils	20	7	—	2	11	—	97.0	20
6839 animals & prod. nec	38	34	—	3	—	—	47.3	79
6857 fruit & nuts nec	6	6	—	—	—	—	5.4	109
6858 fruit juices	123	123	—	0	—	—	38.0	325
6861 sugar	1,734	1,042	—	621	70	—	83.2	2,084
6865 molasses	685	214	—	444	27	—	81.0	846
6871 coffee	2	2	—	—	—	—	9.5	24
6872 cocoa beans	39	—	—	—	39	—	75.9	51
6885 alcoholic beverages	168	109	—	59	—	—	23.3	719
6887 groceries	262	233	—	29	1	—	34.4	762
6888 water & ice	100	2	—	79	19	—	7.1	1,404
6889 food products nec	650	473	—	176	—	—	49.5	1,312
6891 tobacco & products	7	7	—	—	—	—	39.6	17
6893 cotton	0	0	—	—	—	—	1.9	6
6899 farm products nec	33	14	—	20	—	—	42.4	79
Total all manufactured equipment, machinery and products	5,891	3,279	1	2,176	435	—	33.1	17,793
7110 machinery (not elec)	349	144	1	189	16	—	4.6	7,601
7120 electrical machinery	73	63	—	10	—	—	41.0	179
7210 vehicles & parts	845	833	—	12	1	—	70.3	1,203
7220 aircraft & parts	0	0	—	—	—	—	7.3	1
7230 ships & boats	8	4	—	3	0	—	73.2	10
7300 ordnance & access.	0	0	—	—	—	—	13.6	1
7400 manufac. wood prod.	72	44	0	28	0	—	37.7	192
7500 textile products	59	24	—	35	—	—	20.1	296
7600 rubber & plastic pr.	161	16	—	145	—	—	70.9	227
7800 empty containers	323	4	—	317	3	—	99.7	324
7900 manufac. prod. nec	3,999	2,147	—	1,437	415	—	51.5	7,759
Total waste and scrap nec	3,816	—	0	836	2,980	—	99.4	3,841
8900 waste and scrap nec	3,816	—	0	836	2,980	—	99.4	3,841
Total unknown or not elsewhere classified	0	0	—	—	—	—	0.6	72
9900 unknown or nec	0	0	—	—	—	—	0.6	72

Figure 2-1
 DOMESTIC COMMERCE, 1999
 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

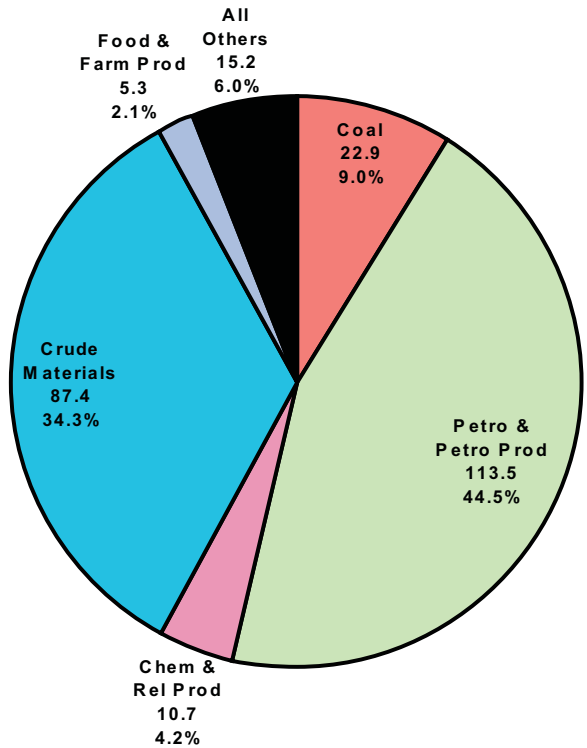
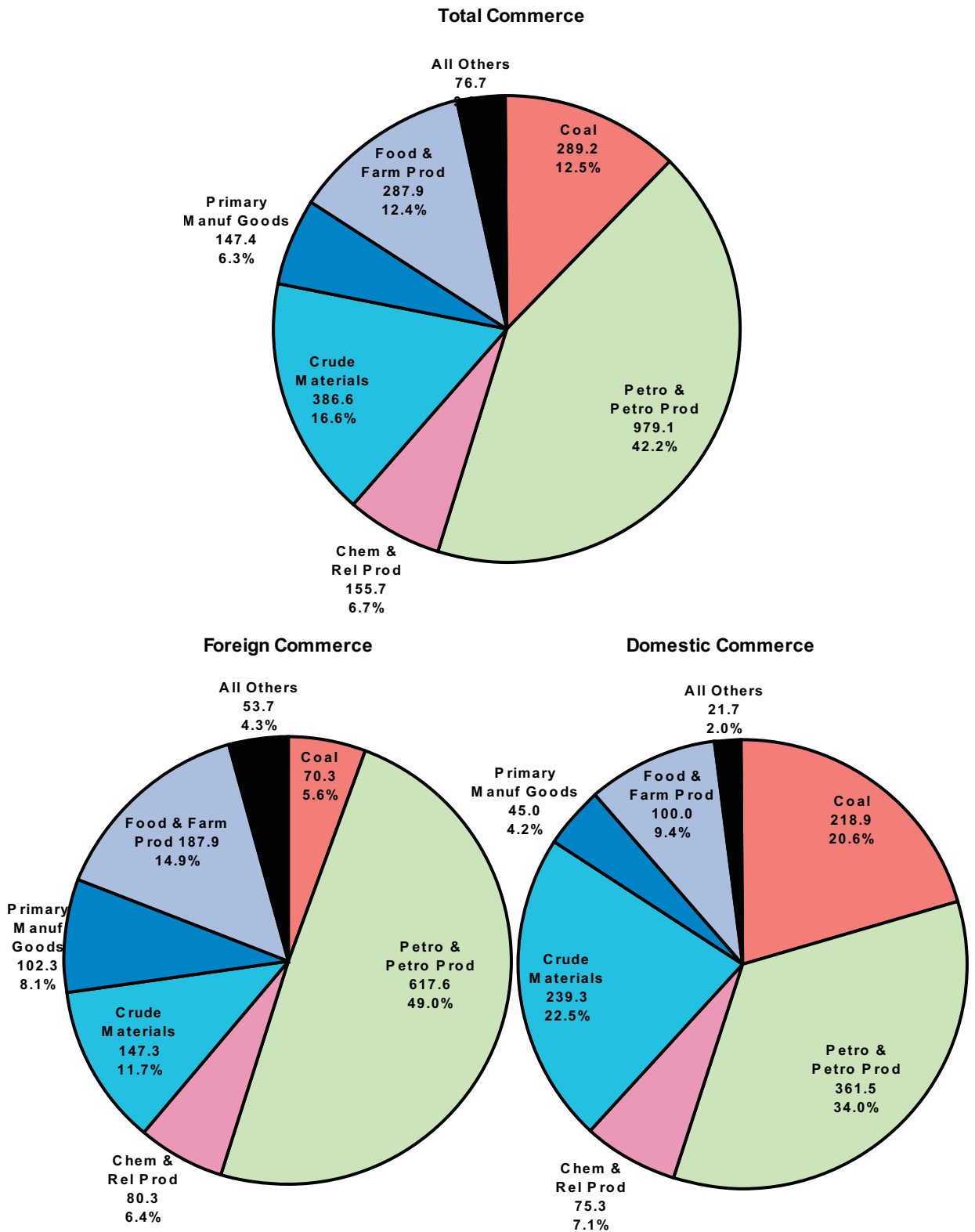


Table 2-4: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1998-1999
(million short tons)

	1998	1999	%Change
Total Commerce	2,339.5	2,322.6	-0.7
Coal	316.1	289.2	-8.5
Petro & Petro Prod	987.4	979.1	-0.8
Chem & Rel Prod	156.5	155.7	-0.6
Crude Materials	394.3	386.6	-1.9
Primary Manuf Goods	141.0	147.4	4.5
Food and Farm Prod	265.7	287.9	8.3
All Manuf Equip	71.8	71.5	-0.3
Other	6.6	5.2	-21.3
Foreign Commerce	1,245.4	1,260.8	1.2
Coal	86.7	70.3	-19.0
Petro & Petro Prod	605.0	617.6	2.1
Chem & Rel Prod	78.8	80.3	2.0
Crude Materials	148.6	147.3	-0.9
Primary Manuf Goods	99.8	102.3	2.6
Food and Farm Prod	174.2	187.9	7.8
All Manuf Equip	51.0	53.7	5.4
Other	1.3	1.3	0.7
Domestic Commerce	1,094.1	1,061.8	-3.0
Coal	229.4	218.9	-4.6
Petro & Petro Prod	382.5	361.5	-5.5
Chem & Rel Prod	77.7	75.3	-3.1
Crude Materials	245.7	239.3	-2.6
Primary Manuf Goods	41.2	45.0	9.2
Food and Farm Prod	91.5	100.0	9.3
All Manuf Equip	20.8	17.8	-14.5
Other	5.3	3.9	-26.6

Figure 2-2
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1999
 (million short tons and percentage of short tons)



Section 3

Waterways

Figure 3-1
MISSISSIPPI RIVER SYSTEM, 1980-1999
BY TYPE OF TRAFFIC
(million short tons)

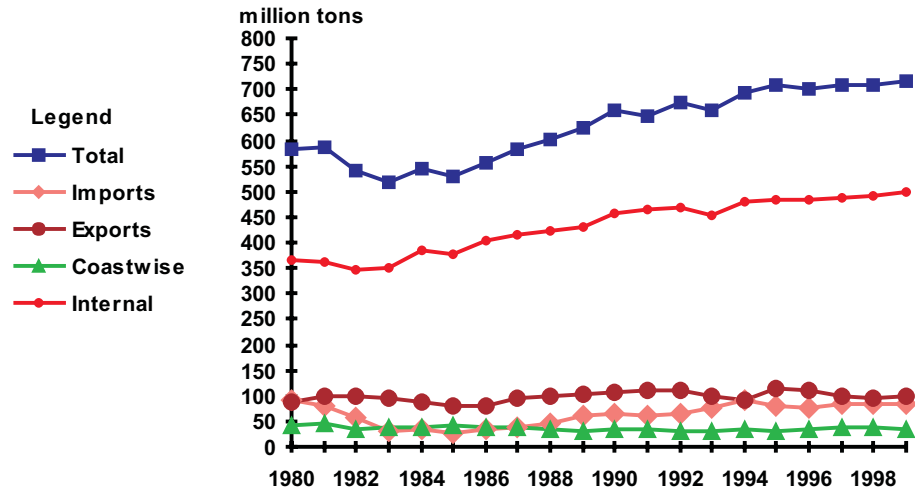


Table 3-1: MISSISSIPPI RIVER SYSTEM, 1980-1999
BY TYPE OF TRAFFIC*
(million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	584.2	586.0	539.6	519.1	543.5	527.8	556.4	583.4	601.6	626.4
Imports	90.8	80.1	56.7	32.3	34.1	27.0	35.1	38.1	45.3	59.9
Exports	86.3	98.3	100.8	95.8	85.9	81.0	81.1	93.7	97.5	104.0
Coastwise	41.6	44.7	34.7	39.1	36.7	40.9	37.4	37.4	35.8	31.1
Internal	365.6	362.9	347.5	352.0	386.6	378.9	402.8	414.2	423.0	431.5

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	659.1	646.6	673.1	660.4	693.3	707.2	701.8	707.1	707.4	716.9
Imports	63.1	60.1	63.0	76.9	89.8	81.5	77.3	83.5	85.2	83.5
Exports	106.0	109.9	112.3	100.0	92.4	115.8	108.7	98.5	94.7	99.2
Coastwise	32.6	31.3	32.3	31.8	32.4	30.6	33.0	36.3	36.7	34.6
Internal	457.5	445.1	465.4	451.7	478.7	479.4	482.8	488.9	490.7	499.6

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

Figure 3-2
MISSISSIPPI RIVER SYSTEM, 1980-1999
ALL TRAFFIC BY COMMODITY GROUP
(million short tons)

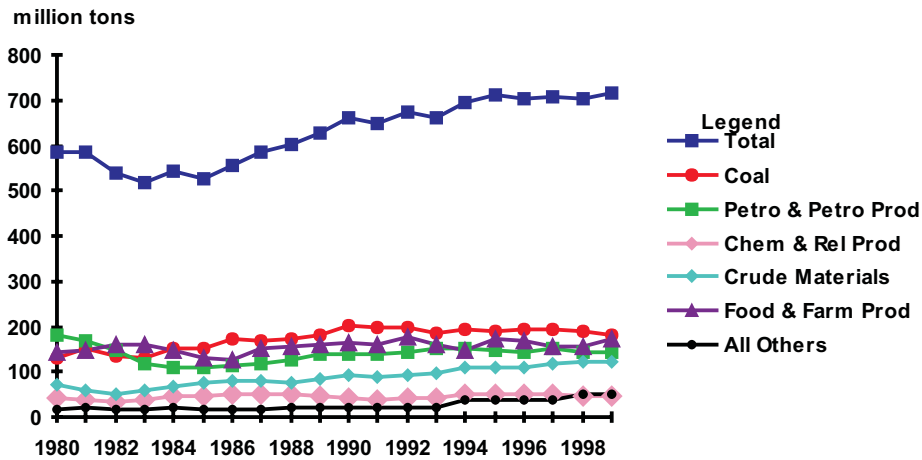


Table 3-2: MISSISSIPPI RIVER SYSTEM, 1980-1999
ALL TRAFFIC BY COMMODITY GROUP
(million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	584.2	586.0	539.6	519.1	543.5	527.8	556.4	583.4	601.6	626.4
Coal	131.8	149.6	133.1	129.0	153.0	152.0	171.1	167.9	173.8	180.3
Petro & Petro Prod	179.6	169.8	146.4	118.7	110.5	107.6	112.1	116.9	124.4	138.2
Chem & Rel Prod	40.3	37.3	32.7	37.8	45.7	44.4	48.6	50.6	50.8	45.8
Crude Materials	72.0	61.0	52.4	58.3	68.2	75.6	80.0	79.5	78.6	82.6
Primary Manuf Goods	15.8	17.2	13.4	14.2	18.6	16.5	17.5	17.1	18.3	18.1
Food & Farm Prod	141.6	147.9	159.4	159.8	146.5	130.6	125.8	150.4	156.4	160.1
All Manuf Equip	1.1	1.2	0.8	0.7	0.6	0.7	0.8	0.6	0.8	1.1
Other	2.0	2.1	1.5	0.7	0.4	0.4	0.3	0.4	0.4	0.4

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	659.1	646.6	673.1	660.4	693.3	707.2	701.8	707.1	707.4	716.9
Coal	200.8	197.5	199.7	186.1	194.2	188.1	192.3	194.2	191.5	182.4
Petro & Petro Prod	140.9	137.9	144.6	153.0	153.6	146.2	143.0	150.3	141.6	143.0
Chem & Rel Prod	41.8	40.0	42.0	43.5	50.3	51.4	49.9	48.9	47.4	46.6
Crude Materials	92.8	89.0	91.1	95.4	109.7	108.3	111.0	116.6	120.5	121.9
Primary Manuf Goods	18.3	19.4	18.9	21.6	36.5	37.3	34.6	36.7	46.5	49.8
Food & Farm Prod	163.4	161.9	175.7	159.6	147.7	174.5	168.3	157.6	157.0	171.2
All Manuf Equip	1.0	0.8	0.9	1.1	1.1	1.2	2.5	2.5	2.6	1.8
Other	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2

Figure 3-3
MISSISSIPPI RIVER SYSTEM, 1980-1999
INTERNAL TRAFFIC BY COMMODITY GROUP
(million short tons)

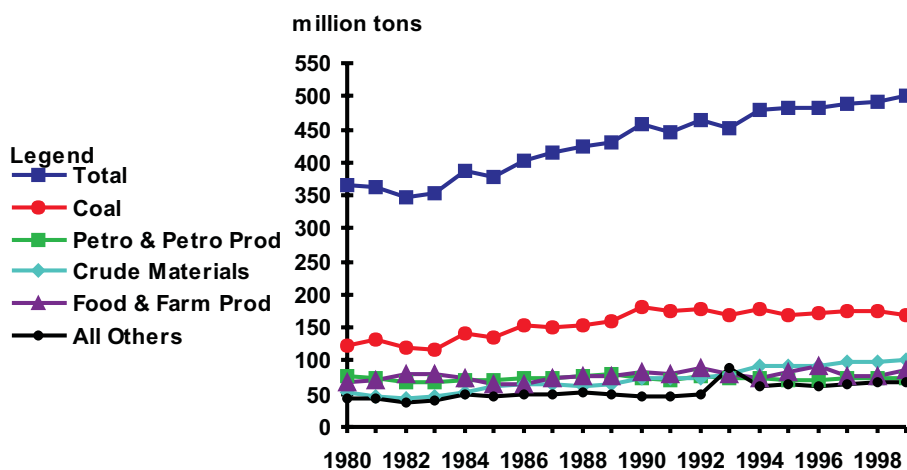


Table 3-3: MISSISSIPPI RIVER SYSTEM, 1980-1999
INTERNAL TRAFFIC BY COMMODITY GROUP
(million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	365.6	362.9	347.5	352.0	386.6	378.9	402.8	414.2	423.0	431.5
Coal	123.0	130.6	121.2	117.0	141.3	135.8	153.6	151.1	153.3	159.4
Petro & Petro Prod	77.3	72.3	69.1	69.1	70.0	70.1	72.7	73.8	78.2	79.0
Chem & Rel Prod	30.3	28.6	24.4	28.5	34.3	33.4	35.7	36.7	37.7	34.6
Crude Materials	52.6	44.9	42.3	46.7	52.9	60.7	63.7	65.0	62.3	65.7
Primary Manuf Goods	11.3	12.6	9.8	10.8	13.7	12.4	13.0	13.1	13.6	13.9
Food & Farm Prod	68.6	71.2	78.9	78.9	73.7	65.9	63.2	73.9	77.1	77.9
All Manuf Equip	0.5	0.6	0.4	0.3	0.4	0.3	0.5	0.3	0.5	0.7
Other	2.0	2.1	1.4	0.6	0.3	0.3	0.3	0.3	0.3	0.3

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	457.5	445.1	465.4	451.7	478.7	479.4	482.8	488.9	490.7	499.6
Coal	180.1	174.3	178.4	167.8	176.7	169.4	173.3	174.9	174.8	169.3
Petro & Petro Prod	74.1	72.0	76.7	73.7	72.6	71.7	71.9	74.0	74.8	73.2
Chem & Rel Prod	31.1	30.7	33.2	34.4	38.7	39.0	37.8	38.1	36.7	36.2
Crude Materials	75.2	72.5	74.2	79.1	92.4	90.5	93.4	98.2	98.4	102.8
Primary Manuf Goods	14.3	14.8	14.5	15.5	22.9	23.8	22.3	23.4	27.2	30.7
Food & Farm Prod	82.0	80.3	87.7	80.4	74.5	84.1	81.7	77.9	76.5	85.7
All Manuf Equip	0.6	0.5	0.5	0.7	0.7	0.8	2.1	2.2	2.2	1.5
Other	0.1	0.1	0.2	0.1	0.2	0.2	0.2	0.2	0.2	0.1

Table 3-4: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1998-1999
 FOR THE MISSISSIPPI RIVER SYSTEM
 (million short tons)

	1998	1999	%Change
Foreign Commerce	179.9	182.7	1.5
Coal	7.0	4.7	-33.4
Petro & Petro Prod	50.2	52.6	4.7
Chem & Rel Prod	7.7	7.2	-5.8
Crude Materials	15.7	14.0	-11.1
Primary Manuf Goods	19.3	19.1	-1.0
Food & Farm Prod	79.7	84.8	6.5
Other	0.4	0.4	-2.6
Coastwise Traffic	36.7	34.6	-5.7
Coal	9.8	8.4	-13.7
Petro & Petro Prod	16.6	17.2	3.4
Chem & Rel Prod	3.1	3.2	3.4
Crude Materials	6.4	5.1	-20.4
Primary Manuf Goods	0.0	0.0	-5.7
Food & Farm Prod	0.8	0.7	-12.6
Other	0.0	0.0	-55.4
Internal Traffic	490.7	499.6	1.8
Coal	174.8	169.3	-3.1
Petro & Petro Prod	74.8	73.2	-2.1
Chem & Rel Prod	36.7	36.2	-1.2
Crude Materials	98.4	102.8	4.5
Primary Manuf Goods	27.2	30.7	12.9
Food & Farm Prod	76.5	85.7	12.0
Other	2.5	1.6	-35.0

Figure 3-4
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1999
 FOR THE MISSISSIPPI RIVER SYSTEM
 (million short tons and percentage of short tons)

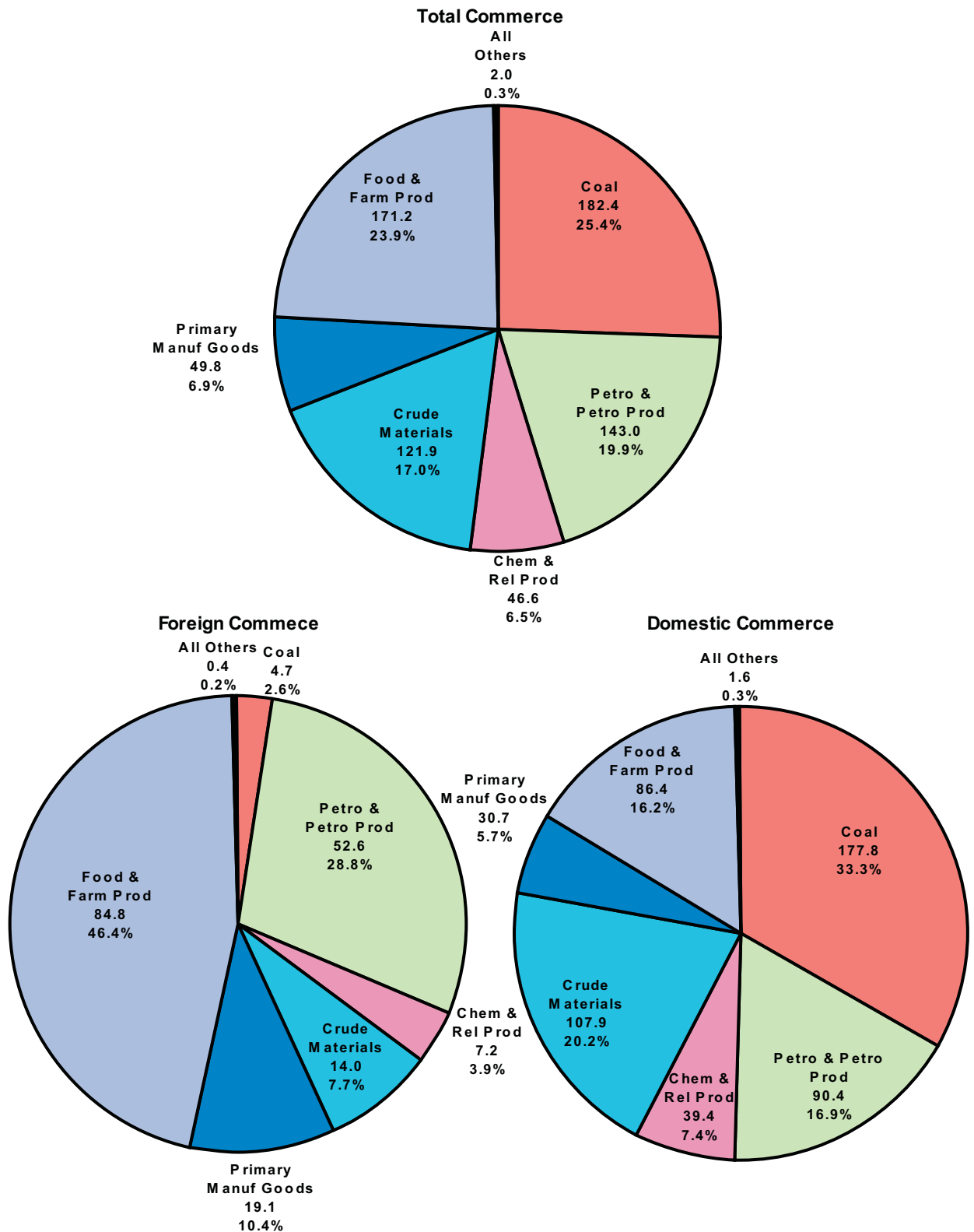


Figure 3-5
MISSISSIPPI RIVER MAIN STEM, 1980-1999
BY TYPE OF TRAFFIC
(million short tons)

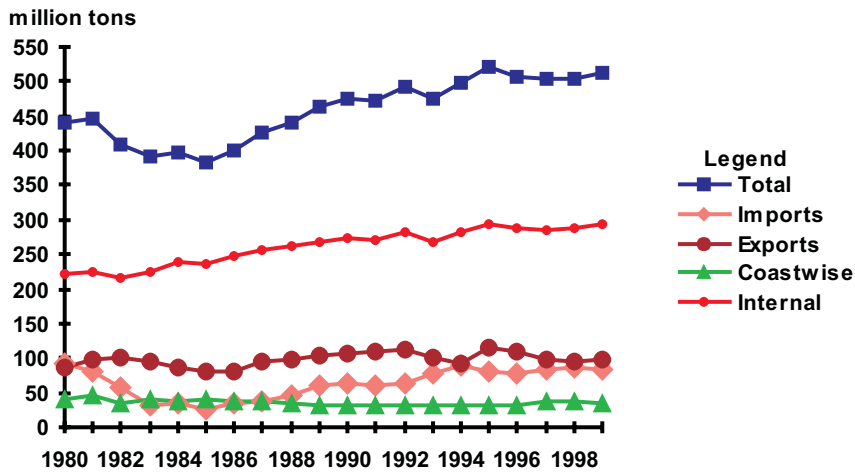


Table 3-5: MISSISSIPPI RIVER MAIN STEM, 1980-1999
BY TYPE OF TRAFFIC*
(million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	441.5	446.4	407.6	392.1	397.3	384.0	399.9	425.0	441.5	462.7
Imports	90.8	80.1	56.7	32.3	34.1	27.0	35.1	38.1	45.3	59.9
Exports	86.3	98.3	100.8	95.8	85.9	81.0	81.1	93.7	97.5	104.0
Coastwise	41.6	44.7	34.7	39.1	36.9	40.9	37.4	37.4	35.8	31.1
Internal	222.9	223.3	215.4	225.0	240.4	235.0	246.3	255.8	262.9	267.8

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	475.3	471.7	491.0	475.1	496.8	520.3	505.6	504.7	503.9	512.3
Imports	63.1	60.1	63.0	76.9	89.8	81.5	77.3	83.5	85.2	83.5
Exports	106.0	109.9	112.3	100.0	92.4	115.8	108.7	98.5	94.7	99.2
Coastwise	32.6	31.3	32.4	31.8	32.4	30.6	33.0	36.3	36.7	34.6
Internal	273.6	270.3	283.3	266.5	282.2	292.4	286.5	286.5	287.3	295.0

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

Figure 3-6
MISSISSIPPI RIVER MAIN STEM, 1980-1999
BY COMMODITY GROUP
(million short tons)

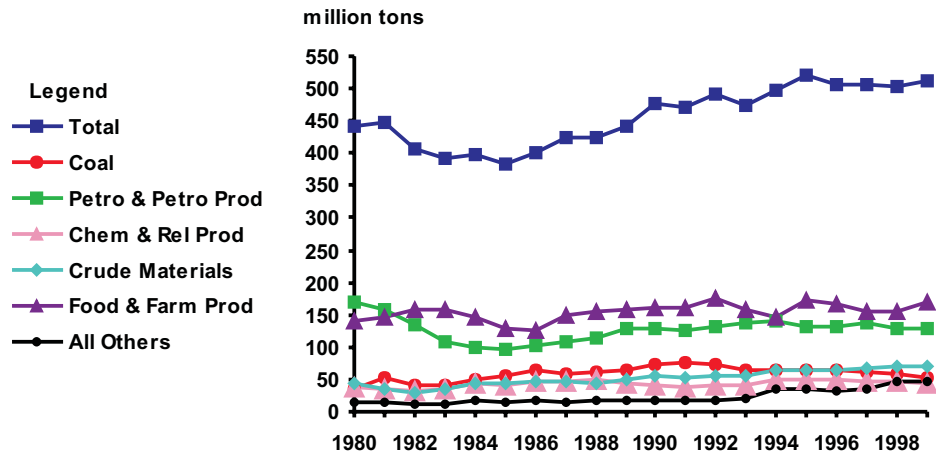


Table 3-6: MISSISSIPPI RIVER MAIN STEM, 1980-1999
BY COMMODITY GROUP
(million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	441.5	446.4	407.6	392.1	397.3	384.0	399.9	425.0	441.5	462.7
Coal	35.2	53.9	41.1	41.2	49.7	56.8	62.9	59.3	62.3	63.7
Petro & Petro Prod	168.3	158.2	135.4	108.8	99.2	96.7	102.6	107.3	115.3	128.8
Chem & Rel Prod	37.3	34.8	30.9	36.0	43.0	41.1	46.2	47.9	48.3	44.0
Crude Materials	44.7	36.4	29.2	34.2	42.7	44.9	47.4	45.7	43.7	50.4
Primary Manuf Goods	13.5	14.4	11.5	12.1	16.3	14.3	15.3	14.8	15.8	15.4
Food & Farm Prod	141.2	147.3	158.6	158.8	145.6	129.1	124.4	149.0	155.1	158.8
All Manuf Equip	1.0	1.1	0.7	0.6	0.6	0.7	0.8	0.6	0.8	1.1
Other	0.3	0.3	0.3	0.4	0.4	0.4	0.3	0.4	0.4	0.4

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	475.3	471.7	491.0	475.1	496.8	520.3	505.6	504.7	503.9	512.3
Coal	73.7	77.2	73.1	64.1	65.4	64.6	63.3	61.7	59.2	52.0
Petro & Petro Prod	127.7	124.4	130.8	138.4	139.4	133.0	130.2	136.6	127.7	129.3
Chem & Rel Prod	40.3	38.4	40.4	41.6	48.6	49.7	48.4	47.2	45.7	45.0
Crude Materials	55.1	53.8	55.5	54.3	63.5	65.0	63.5	66.8	69.7	69.4
Primary Manuf Goods	15.3	16.4	15.7	18.3	32.9	34.0	31.0	33.5	43.1	45.0
Food & Farm Prod	162.1	160.6	174.4	157.4	145.9	172.8	167.0	156.5	155.9	169.9
All Manuf Equip	1.0	0.8	0.9	1.0	0.9	1.0	2.0	2.2	2.3	1.6
Other	0.1	0.1	0.2	0.2	0.2	0.3	0.3	0.3	0.3	0.2

Table 3-7: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1998-1999
FOR THE MISSISSIPPI RIVER MAIN STEM
(million short tons)

	1998	1999	%Change
Total Commerce	503.9	512.3	1.7
Coal	59.2	52.0	-12.3
Petro & Petro Prod	127.7	129.3	1.3
Chem & Rel Prod	45.7	45.0	-1.6
Crude Materials	69.7	69.4	-0.4
Primary Manuf Goods	43.1	45.0	4.3
Food & Farm Prod	155.9	169.9	9.0
Other	2.6	1.8	-31.5
Foreign Commerce	179.9	182.7	1.5
Coal	7.0	4.7	-33.4
Petro & Petro Prod	50.2	52.6	4.7
Chem & Rel Prod	7.7	7.2	-5.8
Crude Materials	15.7	14.0	-11.1
Primary Manuf Goods	19.3	19.1	-1.0
Food & Farm Prod	79.7	84.8	6.5
Other	0.4	0.4	-2.6
Domestic Commerce	324.0	329.6	1.7
Coal	52.2	47.3	-9.5
Petro & Petro Prod	77.4	76.7	-1.0
Chem & Rel Prod	38.1	37.8	-0.7
Crude Materials	54.0	55.5	2.7
Primary Manuf Goods	23.9	25.9	8.6
Food & Farm Prod	76.2	85.1	11.7
Other	2.2	1.4	-37.1

Figure 3-7
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1999
 FOR THE MISSISSIPPI RIVER MAIN STEM
 (million short tons and percentage of short tons)

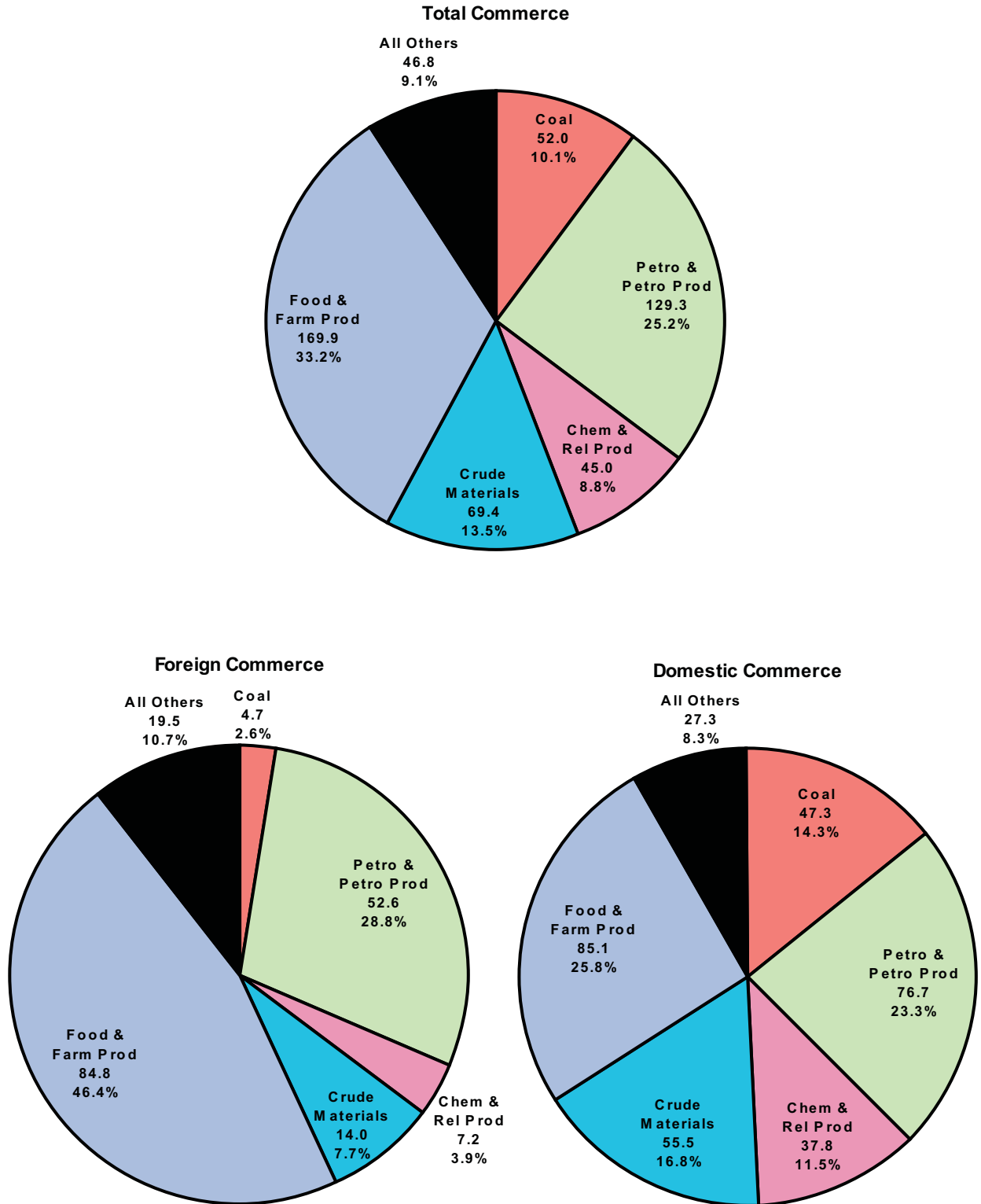


Figure 3-8
OHIO RIVER SYSTEM, 1980-1999
BY COMMODITY GROUP
(million short tons)

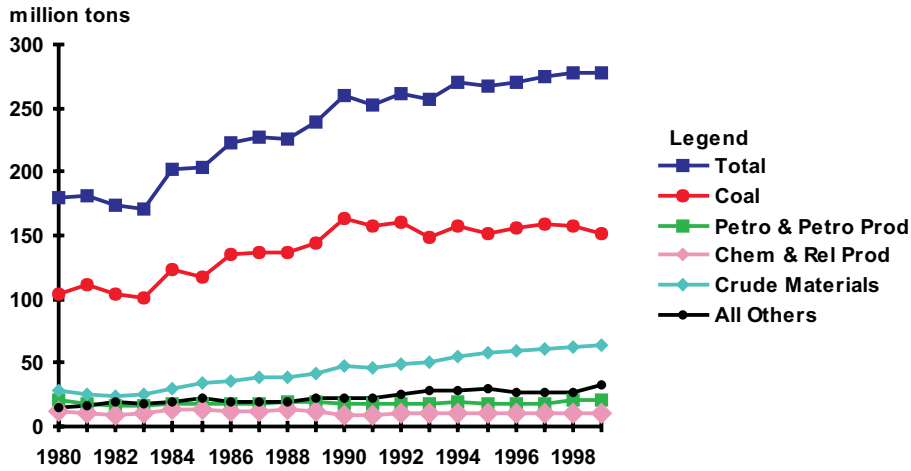


Table 3-8: OHIO RIVER SYSTEM, 1980-1999
BY COMMODITY GROUP
(million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	179.3	181.9	174.0	171.2	202.2	203.9	222.2	226.7	225.9	238.4
Coal	103.8	111.6	104.6	100.7	122.5	117.3	135.9	137.3	136.7	144.6
Petro & Petro Prod	21.1	17.9	17.1	16.5	17.9	17.1	17.6	18.2	18.6	18.8
Chem & Rel Prod	11.9	11.1	9.3	10.9	13.2	12.9	12.4	12.6	13.3	11.7
Crude Materials	27.5	24.7	23.4	24.8	29.4	34.9	36.4	39.0	38.1	41.0
Primary Manuf Goods	5.4	6.1	4.7	5.3	6.6	6.2	6.1	6.1	6.5	7.0
Food & Farm Prod	9.4	10.3	14.8	13.0	12.5	15.4	13.8	13.5	12.5	15.2
Other	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	260.0	251.9	261.4	257.3	270.5	267.6	270.9	274.9	277.9	277.9
Coal	163.0	156.8	159.8	149.0	157.9	151.7	156.5	158.4	156.9	150.8
Petro & Petro Prod	18.3	17.8	18.0	18.1	18.9	18.2	17.7	18.3	20.7	21.1
Chem & Rel Prod	9.1	9.4	10.0	10.4	10.6	10.7	9.8	10.1	10.3	10.3
Crude Materials	47.0	45.3	49.1	51.1	55.3	57.9	60.0	61.5	62.6	63.6
Primary Manuf Goods	7.2	7.4	7.5	8.6	11.2	11.6	11.7	11.1	12.7	16.1
Food & Farm Prod	15.3	15.0	16.9	20.0	16.6	17.4	15.0	15.3	14.7	15.8
Other	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.0	0.1	0.1

Figure 3-9
PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1999
FOR THE OHIO RIVER SYSTEM
(million short tons and percentage of short tons)

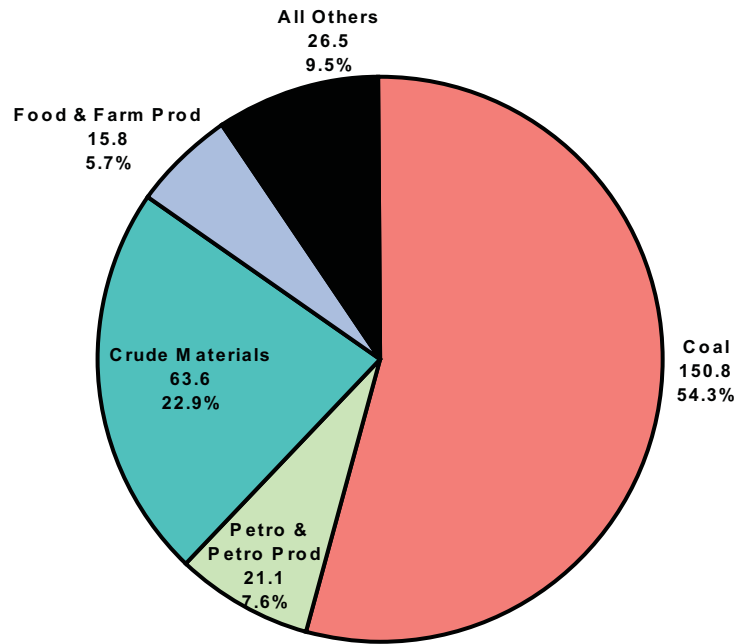


Table 3-9: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1998-1999
FOR THE OHIO RIVER SYSTEM
(million short tons)

	1998	1999	%Change
Total Commerce	277.9	277.9	-0.0
Coal	156.9	150.8	-3.9
Petroleum & Petroleum Products	20.7	21.1	2.0
Chemicals & Related Products	10.3	10.3	0.1
Crude Materials	62.6	63.6	1.7
Primary Manufactured Goods	12.7	16.1	26.9
Food & Farm Products	14.7	15.8	7.8
Other	0.1	0.1	-24.9

Figure 3-10
 GREAT LAKES, 1980-1999
 BY TYPE OF TRAFFIC
 (million short tons)

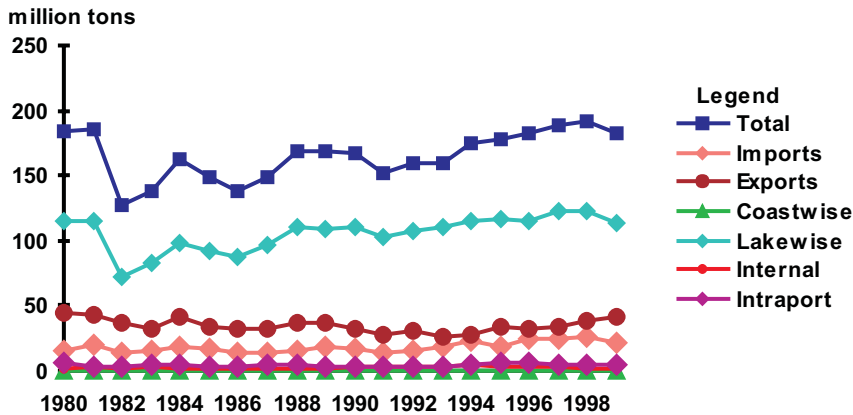


Table 3-10: GREAT LAKES, 1980-1999
 BY TYPE OF TRAFFIC*
 (million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	183.5	185.1	127.4	138.2	162.8	148.1	137.9	148.1	168.8	168.9
Imports	15.5	19.7	14.1	16.1	17.8	17.1	13.8	13.9	15.9	17.8
Exports	45.1	43.5	36.3	32.3	40.9	34.2	32.0	32.1	36.6	37.1
Coastwise	0.1	0.0	-	-	0.0	0.0	-	0.0	-	0.0
Lakewise	115.1	115.4	72.1	83.5	98.0	92.0	87.4	96.5	109.7	109.1
Internal	2.3	2.8	1.9	2.5	1.8	2.2	1.7	1.4	1.6	1.7
Inraport	5.4	3.7	3.0	3.8	4.2	2.7	3.0	4.3	5.0	3.3

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	167.1	151.1	159.9	159.6	175.3	177.8	181.8	188.6	192.2	182.9
Imports	17.6	14.2	15.4	18.1	23.1	18.9	24.5	24.5	25.6	22.2
Exports	32.9	27.5	30.4	25.8	27.8	33.5	32.8	33.7	37.9	40.8
Coastwise	0.0	-	0.0	0.0	0.0	-	-	-	-	-
Lakewise	110.2	103.4	107.4	109.9	114.8	116.2	115.0	122.8	122.2	113.9
Internal	3.1	3.2	3.4	3.1	4.6	3.6	3.3	2.3	2.3	1.5
Inraport	3.4	2.7	3.3	2.8	5.0	5.5	6.2	5.2	4.3	4.4

* Exports include Great Lakes Thru Foreign Traffic.

Figure 3-11
 GREAT LAKES, 1980-1999
 BY COMMODITY GROUP
 (million short tons)

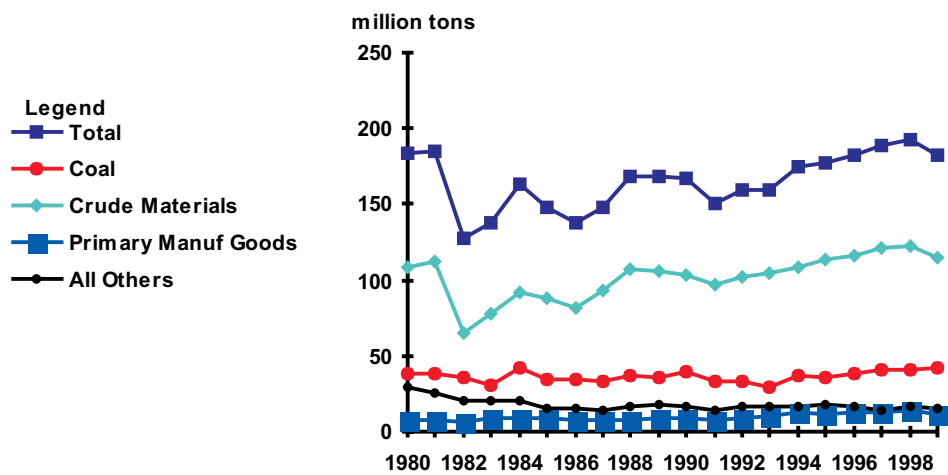


Table 3-11: GREAT LAKES, 1980-1999
 BY COMMODITY GROUP
 (million short tons)

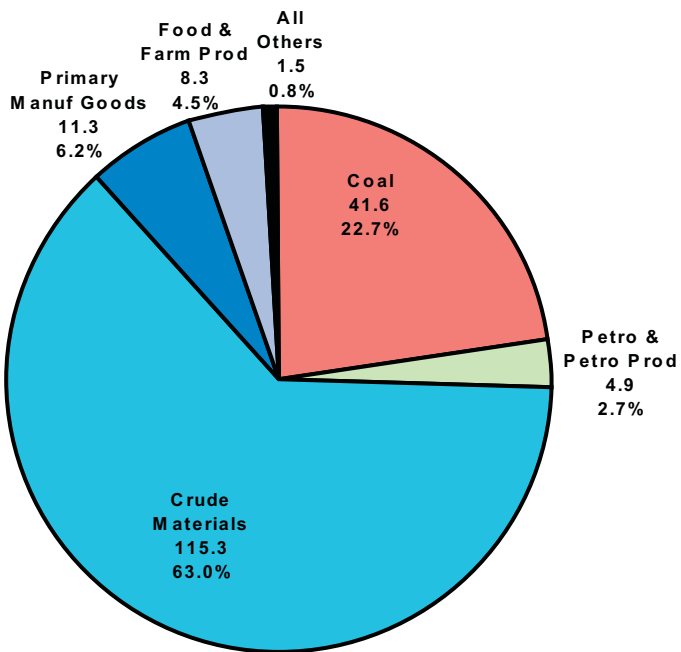
	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	183.5	185.1	127.4	138.2	162.8	148.1	137.9	148.1	168.8	168.9
Coal	38.7	38.1	35.4	31.0	41.6	34.8	34.1	33.6	36.7	35.7
Petro & Petro Prod	8.9	7.5	5.9	5.3	5.5	5.1	5.3	4.9	6.5	6.3
Chem & Rel Prod	2.4	2.9	2.6	2.2	2.6	2.7	2.4	2.3	2.4	2.5
Crude Materials	108.1	112.8	65.3	77.5	92.2	88.2	81.3	93.1	107.5	106.2
Primary Manuf Goods	7.6	8.3	6.1	9.5	9.1	9.5	7.8	7.6	8.1	8.7
Food & Farm Prod	17.4	15.2	11.8	9.8	11.6	7.6	6.8	6.4	7.1	8.6
All Manuf Equip	0.4	0.4	0.3	2.8	0.2	0.2	0.2	0.2	0.4	0.8
Other	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0	0.0	0.1
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	167.1	151.1	159.9	159.6	175.3	177.8	181.8	188.6	192.2	182.9
Coal	39.4	32.8	33.4	29.2	36.7	36.3	37.8	40.9	40.4	41.6
Petro & Petro Prod	6.4	5.5	5.8	5.2	5.9	5.5	6.2	5.6	6.5	4.9
Chem & Rel Prod	2.7	2.2	1.9	1.7	1.6	1.6	1.5	1.4	1.3	1.3
Crude Materials	103.1	96.5	102.2	104.5	108.4	113.1	115.9	121.8	122.3	115.3
Primary Manuf Goods	8.4	7.6	8.3	9.7	13.1	11.1	12.1	12.2	13.4	11.3
Food & Farm Prod	6.2	5.2	6.9	7.6	8.6	10.0	8.1	6.5	8.1	8.3
All Manuf Equip	1.0	1.1	1.3	1.4	0.8	0.2	0.2	0.2	0.2	0.2
Other	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0

Table 3-12: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1998-1999
 FOR THE GREAT LAKES
 (million short tons)

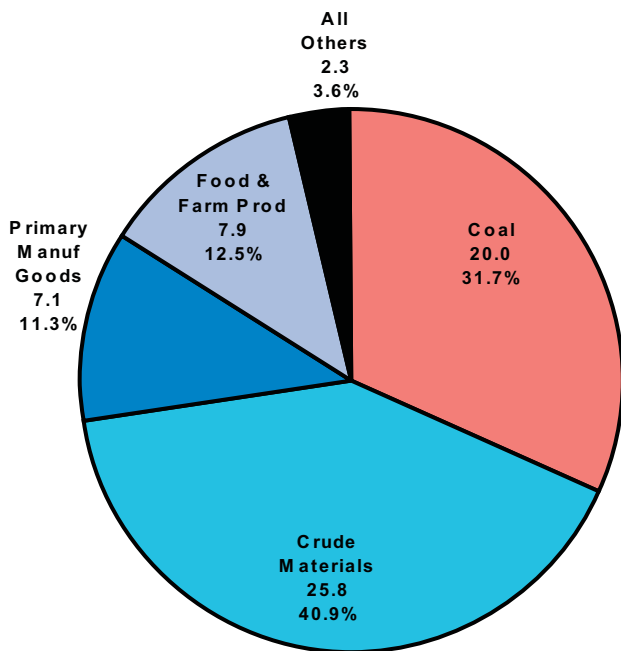
	1998	1999	%Change
Total Commerce	192.2	182.9	-4.9
Coal	40.4	41.6	2.9
Petro & Petro Prod	6.5	4.9	-23.8
Chem & Rel Prod	1.3	1.3	-6.3
Crude Materials	122.3	115.3	-5.7
Primary Manuf Goods	13.4	11.3	-16.0
Food and Farm Prod	8.1	8.3	2.2
Other	0.2	0.2	-1.3
Foreign Commerce	63.5	63.1	-0.6
Coal	18.0	20.0	11.5
Petro & Petro Prod	2.6	1.2	-53.1
Chem & Rel Prod	0.8	0.8	0.0
Crude Materials	25.2	25.8	2.3
Primary Manuf Goods	9.3	7.1	-23.1
Food and Farm Prod	7.5	7.9	6.1
Other	0.2	0.2	26.3
Domestic Commerce	128.8	119.8	-7.0
Coal	22.4	21.5	-4.0
Petro & Petro Prod	3.9	3.7	-4.2
Chem & Rel Prod	0.5	0.4	-15.2
Crude Materials	97.0	89.5	-7.8
Primary Manuf Goods	4.2	4.2	-0.2
Food and Farm Prod	0.6	0.4	-43.1
Other	0.0	0.0	-78.7

Figure 3-12
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1999
 FOR THE GREAT LAKES
 (million short tons and percentage of tons)

Total Commerce



Foreign Commerce



Domestic Commerce

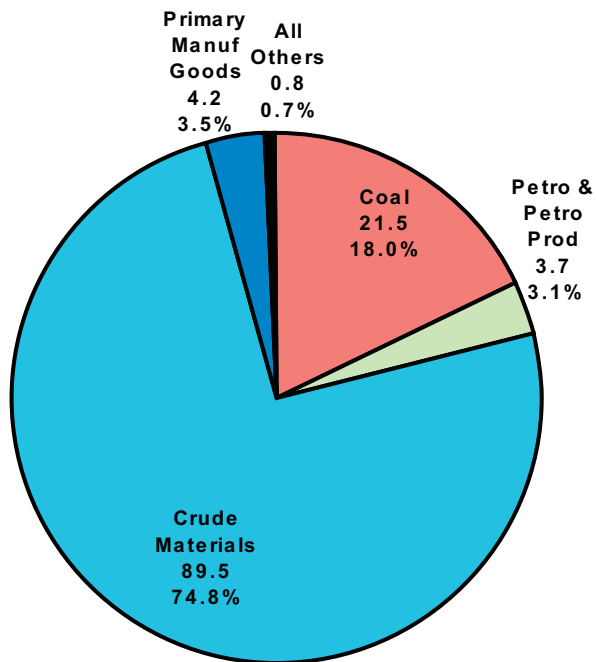


Figure 3-13
 GULF INTRACOASTAL WATERWAY, 1980-1999
 BY TYPE OF TRAFFIC
 (million short tons)

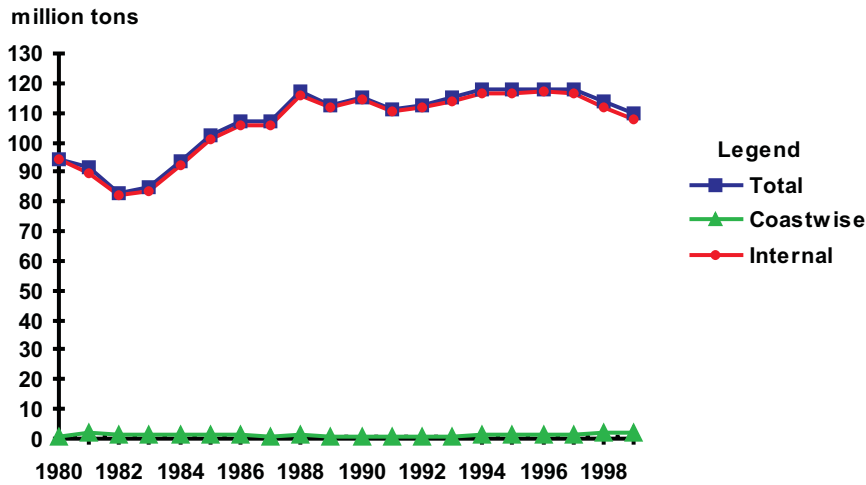


Table 3-13: GULF INTRACOASTAL WATERWAY, 1980-1999
 BY TYPE OF TRAFFIC
 (million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	94.5	91.6	83.0	85.1	93.4	102.5	107.0	107.0	117.7	112.7
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	0.4	1.7	1.1	1.3	1.0	1.1	1.2	0.9	1.2	0.8
Internal	94.1	89.9	81.9	83.8	92.4	101.3	105.7	106.1	115.9	111.6
	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	115.4	111.0	112.3	114.9	117.6	118.0	118.0	118.1	113.6	109.6
Imports	-	-	-	-	-	-	-	-	-	-
Exports	-	-	-	-	-	-	-	-	-	-
Coastwise	0.7	0.7	0.7	0.9	1.3	1.2	1.1	1.3	1.9	1.9
Internal	114.6	110.3	111.6	114.1	116.3	116.8	116.9	116.8	111.6	107.7

Figure 3-14
 GULF INTRACOASTAL WATERWAY, 1980-1999
 BY COMMODITY GROUP
 (million short tons)

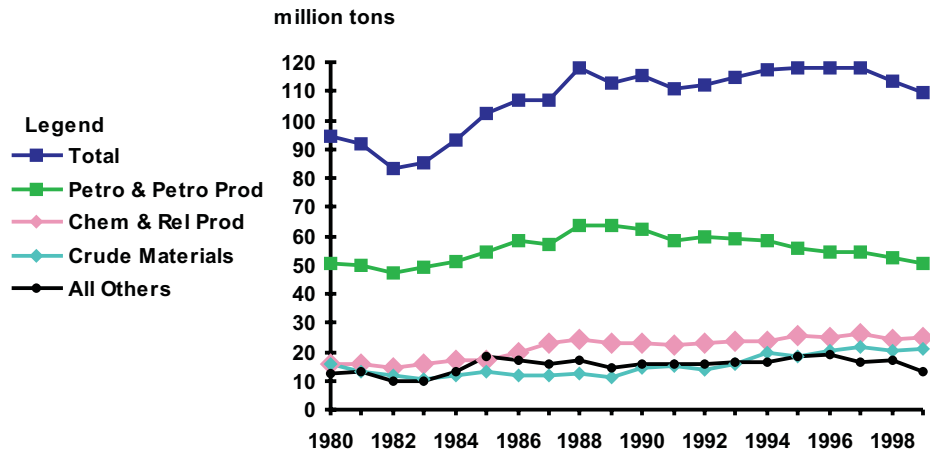


Table 3-14: GULF INTRACOASTAL WATERWAY, 1980-1999
 BY COMMODITY GROUP
 (million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	94.5	91.6	83.0	85.1	93.4	102.5	107.0	107.0	117.7	112.7
Coal	5.1	4.6	4.0	3.9	6.8	7.2	8.8	8.0	8.0	7.5
Petrol & Petrol Prod	50.4	49.7	46.9	49.0	51.2	54.2	58.4	57.0	63.8	63.8
Chem & Rel Prod	15.7	15.6	14.5	15.8	17.3	17.1	19.8	22.9	24.4	22.8
Crude Materials	15.9	13.2	11.5	10.6	11.6	13.1	12.1	11.5	12.2	11.4
Primary Manuf Goods	3.4	4.3	2.6	2.6	3.2	4.5	3.3	3.2	3.9	2.7
Food & Farm Prod	2.3	2.3	1.9	1.7	1.9	3.2	3.0	2.7	3.3	2.9
All Manuf Equip	0.6	0.7	0.4	0.4	0.4	1.6	0.7	0.7	1.0	0.5
Other	1.1	1.2	1.3	1.2	1.2	1.5	1.0	1.1	1.2	1.2

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	115.4	111.0	112.3	114.9	117.6	118.0	118.0	118.1	113.6	109.6
Coal	9.2	8.4	8.4	8.4	8.3	8.0	8.3	7.4	8.5	6.1
Petrol & Petrol Prod	62.4	58.4	60.0	58.9	58.1	55.7	54.2	54.2	52.2	50.4
Chem & Rel Prod	22.9	22.2	23.2	23.4	23.6	25.3	24.9	26.2	24.2	24.6
Crude Materials	14.4	14.8	13.9	16.0	19.6	18.3	20.1	21.4	20.1	21.3
Primary Manuf Goods	3.0	3.6	2.9	3.2	3.4	3.9	4.9	4.3	3.8	3.8
Food & Farm Prod	2.2	2.2	2.1	2.6	2.4	1.8	1.9	1.6	1.8	1.7
All Manuf Equip	0.4	0.3	0.5	0.8	0.8	4.1	3.0	2.0	1.9	1.1
Other	0.8	1.1	1.3	1.6	1.4	0.8	0.9	0.9	1.0	0.6

Figure 3-15
PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1999
FOR THE GULF INTRACOASTAL WATERWAY
(million short tons and percentage of short tons)

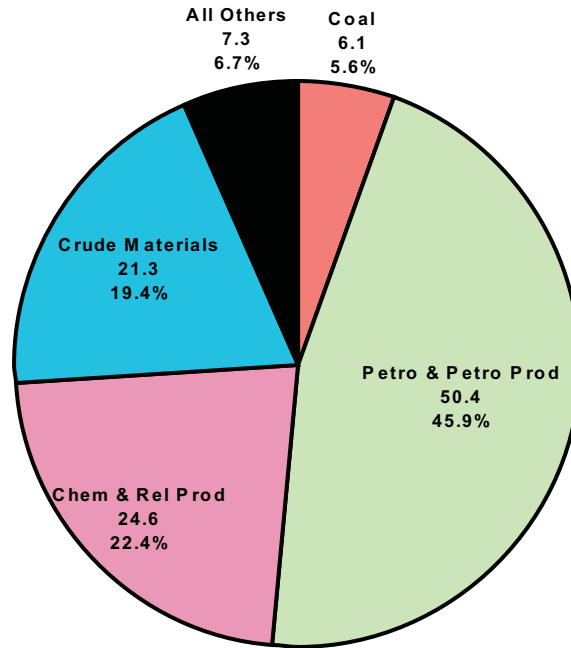


Table 3-15: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1998-1999
FOR THE GULF INTRACOASTAL WATERWAY
(million short tons)

	1998	1999	% Change
Total Commerce	113.6	109.6	-3.4
Coal	8.5	6.1	-27.7
Petroleum & Petroleum Products	52.2	50.4	-3.4
Chemicals & Related Products	24.2	24.6	1.3
Crude Materials	20.1	21.3	6.0
Primary Manufactured Goods	3.8	3.8	-1.6
Food & Farm Products	1.8	1.7	-7.6
All Manuf Equip	1.9	1.1	-39.5
Other	1.0	0.6	-37.7

Figure 3-16
COLUMBIA RIVER, 1980-1999
BY TYPE OF TRAFFIC
(million short tons)

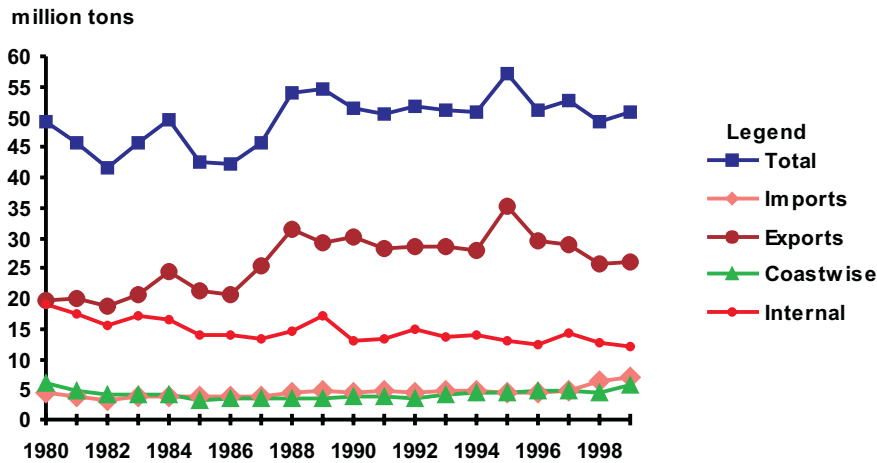


Table 3-16: COLUMBIA RIVER, 1980-1999
BY TYPE OF TRAFFIC*
(million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	49.2	45.9	41.7	45.6	49.4	42.4	42.2	45.7	53.8	54.5
Imports	4.5	3.8	3.1	3.7	4.0	3.9	3.8	3.8	4.3	4.7
Exports	19.7	20.0	18.6	20.7	24.5	21.3	20.7	25.3	31.3	29.1
Coastwise	6.0	4.8	4.3	4.1	4.3	3.2	3.6	3.4	3.5	3.5
Internal	19.1	17.4	15.7	17.1	16.6	14.0	14.1	13.2	14.8	17.2

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	51.4	50.4	51.6	51.2	50.9	57.1	51.2	52.7	49.1	50.7
Imports	4.5	4.8	4.6	4.7	4.8	4.4	4.5	4.7	6.3	7.1
Exports	30.0	28.4	28.5	28.5	27.9	35.1	29.5	28.9	25.6	26.0
Coastwise	3.9	3.8	3.6	4.2	4.3	4.5	4.8	4.8	4.5	5.7
Internal	13.0	13.5	14.9	13.8	13.9	13.1	12.4	14.3	12.7	12.0

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

Figure 3-17
 COLUMBIA RIVER, 1980-1999
 BY COMMODITY GROUP
 (million short tons)

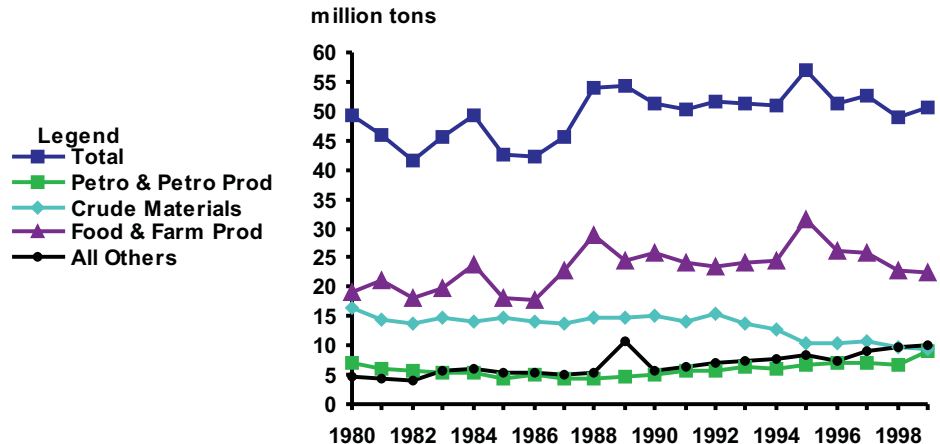


Table 3-17: COLUMBIA RIVER, 1980-1999
 BY COMMODITY GROUP
 (million short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	49.2	45.9	41.7	45.6	49.4	42.4	42.2	45.7	53.8	54.5
Coal	0.0	0.0	0.1	0.2	0.2	0.2	0.4	0.5	0.5	0.5
Petro & Petro Prod	7.1	6.1	5.8	5.5	5.4	4.4	5.0	4.3	4.4	4.8
Chem & Rel Prod	1.6	1.4	0.9	1.4	1.7	1.9	1.9	2.1	2.0	2.3
Crude Materials	16.5	14.4	13.8	14.6	14.1	14.6	14.1	13.6	14.9	14.6
Primary Manuf Goods	2.1	2.1	1.7	2.1	2.3	2.3	2.2	1.9	2.1	2.1
Food & Farm Prod	19.3	21.1	18.2	19.9	23.9	18.2	17.8	22.8	29.0	24.4
All Manuf Equip	0.5	0.5	0.4	0.5	0.6	0.6	0.7	0.4	0.8	0.7
Other	0.3	0.3	0.8	1.5	1.1	0.2	0.0	0.1	0.0	5.0

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	51.4	50.4	51.6	51.2	50.9	57.1	51.2	52.7	49.1	50.7
Coal	0.0	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
Petro & Petro Prod	5.1	5.8	5.7	6.2	6.0	6.8	7.1	7.0	6.7	9.0
Chem & Rel Prod	2.7	3.1	3.7	4.0	4.1	4.4	3.9	4.9	5.5	5.5
Crude Materials	15.0	14.1	15.3	13.6	12.6	10.5	10.4	10.7	9.8	9.4
Primary Manuf Goods	2.3	2.3	2.5	2.5	2.8	2.9	2.6	2.9	2.9	3.1
Food & Farm Prod	25.7	24.2	23.6	24.0	24.4	31.6	26.2	25.9	22.8	22.4
All Manuf Equip	0.6	0.7	0.7	0.7	0.8	0.8	0.8	1.1	1.0	1.2
Other	0.0	0.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2

Table 3-18: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1998-1999
FOR THE COLUMBIA RIVER
(million short tons)

	1998	1999	%Change
Total Commerce	49.1	50.7	3.4
Coal	0.0	0.0	16.4
Petro & Petro Prod	6.7	9.0	34.3
Chem & Rel Prod	5.5	5.5	-1.3
Crude Materials	9.8	9.4	-4.4
Primary Manuf Goods	2.9	3.1	7.8
Food & Farm Prod	22.8	22.4	-2.1
All Manuf Equip	1.0	1.2	11.2
Other	0.2	0.2	-7.9
Foreign Commerce	31.9	33.1	3.8
Coal	0.0	0.0	16.4
Petro & Petro Prod	1.3	2.0	45.4
Chem & Rel Prod	5.0	4.9	-1.4
Crude Materials	5.1	5.1	-1.0
Primary Manuf Goods	2.6	3.0	13.6
Food & Farm Prod	17.0	17.3	1.8
All Manuf Equip	0.7	0.8	6.5
Other	0.0	0.0	5.8
Domestic Commerce	17.2	17.7	2.7
Coal	-	-	-
Petro & Petro Prod	5.4	7.1	31.6
Chem & Rel Prod	0.5	0.5	-0.0
Crude Materials	4.7	4.3	-8.0
Primary Manuf Goods	0.3	0.1	-51.1
Food & Farm Prod	5.8	5.1	-13.3
All Manuf Equip	0.3	0.4	22.8
Other	0.2	0.2	-9.1

Figure 3-18
 PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1999
 FOR THE COLUMBIA RIVER
 (million short tons and percentage of short tons)

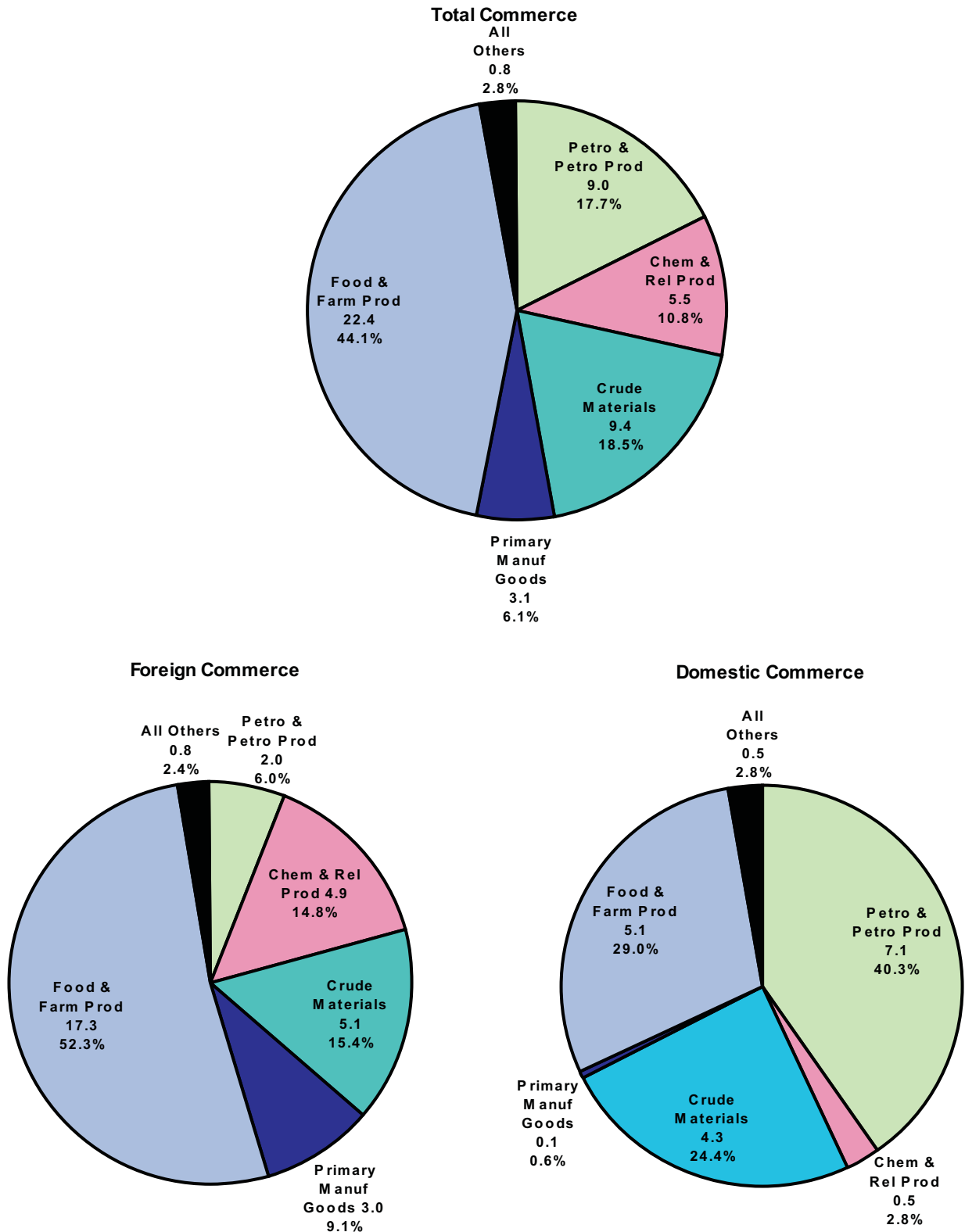


Figure 3-19
 SNAKE RIVER, 1980-1999
 BY COMMODITY GROUP
 (thousand short tons)

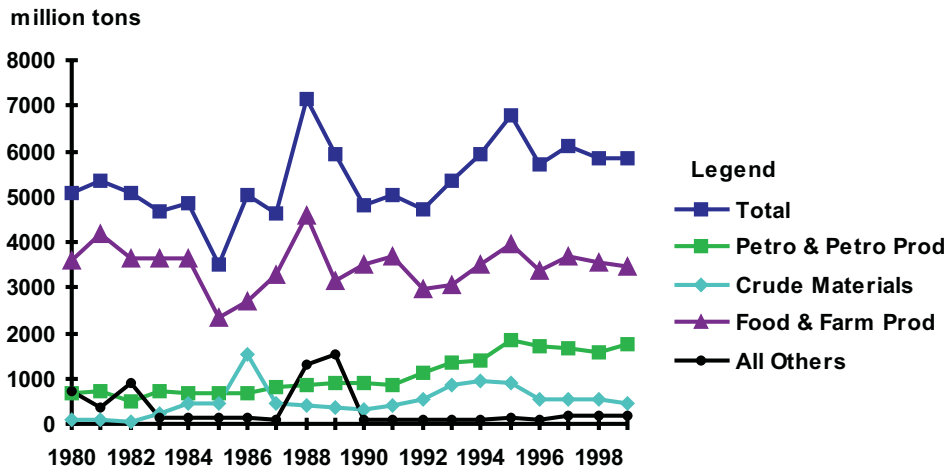


Table 3-19: SNAKE RIVER, 1980-1999
 BY COMMODITY GROUP
 (thousand short tons)

	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989
Total	5,063.6	5,053.2	5,065.3	4,679.1	4,852.0	3,518.8	5,042.6	4,644.9	7,125.1	5,930.3
Petro & Petro Prod	687.2	702.7	501.8	724.8	654.0	652.7	694.8	789.5	839.1	908.4
Chem & Rel Prod	56.8	41.4	51.0	25.7	26.3	27.2	45.2	36.2	22.9	33.1
Crude Materials	81.1	94.1	47.1	202.7	429.8	434.5	1,512.8	461.3	390.3	347.2
Primary Manuf Goods	37.7	34.0	35.5	85.2	71.7	74.4	45.9	45.6	52.2	45.3
Food & Farm Prod	3,583.6	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
All Manuf Equip	5.8	6.2	8.0	15.5	16.7	13.2	38.5	10.0	57.2	9.9
Waste & Scrap	611.4	269.4	792.0	-	-	-	0.9	1.0	1,162.2	1,437.5
Other	-	-	-	-	-	-	-	-	-	-

	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999
Total	4,804.0	5,053.2	4,719.3	5,339.1	5,929.1	6,803.9	5,707.4	6,102.5	5,840.0	5,836.5
Petro & Petro Prod	920.0	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
Chem & Rel Prod	14.8	41.3	35.4	50.9	43.4	41.3	52.0	30.5	53.2	74.3
Crude Materials	304.8	404.1	533.6	858.6	925.9	878.9	548.5	540.2	556.2	444.7
Primary Manuf Goods	53.8	45.0	43.2	40.0	46.0	64.5	18.0	69.8	66.6	71.5
Food & Farm Prod	3,503.2	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
All Manuf Equip	7.3	5.3	5.3	4.9	11.8	8.0	10.8	101.3	63.5	45.1
Waste & Scrap	-	-	-	-	-	-	0.2	-	-	-
Other	-	-	-	-	-	-	-	-	-	-

Figure 3-20
PRINCIPAL COMMODITY GROUPS CARRIED BY WATER, 1999
FOR THE SNAKE RIVER
 (thousand short tons and percentage of short tons)

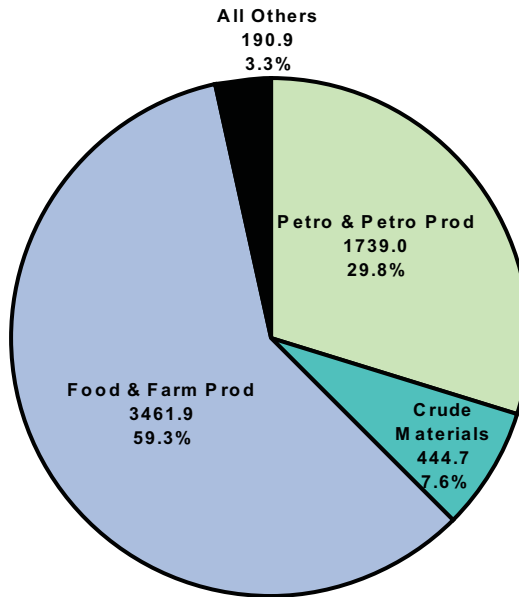


Table 3-20: PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE, 1998-1999
FOR THE SNAKE RIVER
 (thousand short tons)

	1998	1999	% Change
Total Commerce	5,840.0	5,836.5	-0.1
Petroleum & Petroleum Products	1,556.0	1,739.0	11.8
Chemicals & Related Products	53.2	74.3	39.6
Crude Materials	556.2	444.7	-20.1
Primary Manufactured Goods	66.6	71.5	7.3
Food & Farm Products	3,544.6	3,461.9	-2.3
All Manufactured Equipment	63.5	45.1	-28.9
Waste & Scrap	-	-	-

Section 4

States

Table 4-1: WATERBORNE COMMERCE BY STATES, 1999
(thousand short tons)

State	Total*	Shipping		Receiving		Intrastate
		Domestic	Foreign	Domestic	Foreign	
Total	2,322,558	751,560	399,996	751,798	860,775	309,989
Alabama	68,039	10,430	8,580	20,212	15,488	13,329
Alaska	71,170	51,839	11,174	2,614	1,375	4,167
Arkansas	12,263	5,207	-	4,425	-	2,632
California	171,819	5,453	38,290	32,719	82,721	12,635
Connecticut	16,849	952	137	11,209	3,203	1,347
Delaware	27,500	13,650	537	1,736	9,881	1,695
District of Columbia	760	-	-	760	-	-
Florida	128,633	12,958	19,792	59,484	31,506	4,891
Georgia	20,746	859	6,892	2,064	10,619	312
Guam	282	31	-	250	-	-
Hawaii	21,310	1,164	609	5,136	6,548	7,852
Idaho	1,665	1,118	-	18	-	529
Illinois	120,500	86,107	747	19,339	5,167	9,141
Indiana	72,852	14,991	28	54,465	-	3,368
Iowa	17,022	11,805	-	3,850	-	1,367
Kansas	767	701	-	66	-	-
Kentucky	90,218	50,854	-	27,766	-	11,597
Louisiana	499,752	109,472	105,510	132,387	112,661	39,723
Maine	23,719	225	383	3,315	19,700	95
Maryland	44,315	5,911	7,735	9,432	16,438	4,798
Massachusetts	28,148	915	647	10,821	13,799	1,966
Michigan	81,363	27,196	8,121	22,944	7,630	15,472
Minnesota	54,247	39,374	4,595	7,020	694	2,563
Mississippi	46,327	13,642	2,853	11,666	16,868	1,298
Missouri	35,537	16,872	-	9,465	-	9,199
Nebraska	292	196	-	94	-	3
New Hampshire	4,556	11	30	1,008	3,507	-
New Jersey	95,171	27,622	4,450	22,841	35,494	4,764
New York	107,645	20,619	4,415	20,911	45,847	15,852
North Carolina	12,308	73	2,926	2,933	3,687	2,689
Ohio	129,095	25,038	18,057	63,691	5,789	16,519
Oklahoma	4,159	2,087	-	2,036	-	36
Oregon	35,110	3,108	14,288	8,995	4,842	3,876
Other	61,606	7,095	1,536	7,712	45,255	7
Pacific Islands	238	77	-	160	-	-
Pennsylvania	115,471	19,650	556	35,312	38,653	21,300
Puerto Rico	29,690	2,112	1,200	8,409	15,652	2,317
Rhode Island	8,773	258	121	4,365	3,992	38
South Carolina	21,481	255	6,709	4,594	9,711	213
Tennessee	47,769	6,557	-	36,928	-	4,283
Texas	406,166	42,928	55,763	20,975	236,490	50,010
Trans-shipment**	83	-	-	83	-	-
Vermont	-	-	-	-	-	-
Virgin Islands	44,727	19,120	866	-	24,359	381
Virginia	64,745	11,856	30,409	4,552	11,510	6,418
Washington	111,774	12,367	33,669	27,333	20,328	18,077
West Virginia	75,756	45,281	-	18,062	-	12,412
Wisconsin	41,703	23,521	8,368	7,639	1,359	817

* 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, 1999, RANKED BY TOTAL TONS
(thousand short tons)

State	Total*	Shipping		Receiving		Intrastate
		Domestic	Foreign	Domestic	Foreign	
Total	2,322,558	751,560	399,996	751,798	860,775	309,989
Louisiana	499,752	109,472	105,510	132,387	112,661	39,723
Texas	406,166	42,928	55,763	20,975	236,490	50,010
California	171,819	5,453	38,290	32,719	82,721	12,635
Ohio	129,095	25,038	18,057	63,691	5,789	16,519
Florida	128,633	12,958	19,792	59,484	31,506	4,891
Illinois	120,500	86,107	747	19,339	5,167	9,141
Pennsylvania	115,471	19,650	556	35,312	38,653	21,300
Washington	111,774	12,367	33,669	27,333	20,328	18,077
New York	107,645	20,619	4,415	20,911	45,847	15,852
New Jersey	95,171	27,622	4,450	22,841	35,494	4,764
Kentucky	90,218	50,854	-	27,766	-	11,597
Michigan	81,363	27,196	8,121	22,944	7,630	15,472
West Virginia	75,756	45,281	-	18,062	-	12,412
Indiana	72,852	14,991	28	54,465	-	3,368
Alaska	71,170	51,839	11,174	2,614	1,375	4,167
Alabama	68,039	10,430	8,580	20,212	15,488	13,329
Virginia	64,745	11,856	30,409	4,552	11,510	6,418
Other	61,606	7,095	1,536	7,712	45,255	7
Minnesota	54,247	39,374	4,595	7,020	694	2,563
Tennessee	47,769	6,557	-	36,928	-	4,283
Mississippi	46,327	13,642	2,853	11,666	16,868	1,298
Virgin Island	44,727	19,120	866	-	24,359	381
Maryland	44,315	5,911	7,735	9,432	16,438	4,798
Wisconsin	41,703	23,521	8,368	7,639	1,359	817
Missouri	35,537	16,872	-	9,465	-	9,199
Oregon	35,110	3,108	14,288	8,995	4,842	3,876
Puerto Rico	29,690	2,112	1,200	8,409	15,652	2,317
Massachusetts	28,148	915	647	10,821	13,799	1,966
Delaware	27,500	13,650	537	1,736	9,881	1,695
Maine	23,719	225	383	3,315	19,700	95
South Carolina	21,481	255	6,709	4,594	9,711	213
Hawaii	21,310	1,164	609	5,136	6,548	7,852
Georgia	20,746	859	6,892	2,064	10,619	312
Iowa	17,022	11,805	-	3,850	-	1,367
Connecticut	16,849	952	137	11,209	3,203	1,347
North Carolina	12,308	73	2,926	2,933	3,687	2,689
Arkansas	12,263	5,207	-	4,425	-	2,632
Rhode Island	8,773	258	121	4,365	3,992	38
New Hampshire	4,556	11	30	1,008	3,507	-
Oklahoma	4,159	2,087	-	2,036	-	36
Idaho	1,665	1,118	-	18	-	529
Kansas	767	701	-	66	-	-
District of Columbia	760	-	-	760	-	-
Nebraska	292	196	-	94	-	3
Guam	282	31	-	250	-	-
Pacific Islands	238	77	-	160	-	-
Trans-Shipments**	83	-	-	83	-	-
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, 1998 AND 1999*
(thousand pounds)

State	1998	1999	% Change	Year	Record Landing
Total	9,193,967	9,339,032	1.6	-	-
Alabama	30,081	27,399	-8.9	1973	36,744
Alaska	4,858,052	4,492,649	-7.5	1993	5,905,638
California	336,106	647,319	92.6	1936	1,760,193
Connecticut	17,625	18,430	4.6	1930	88,012
Delaware	7,898	8,427	6.7	1953	367,500
Florida	114,440	130,887	14.4	1954	264,564
Georgia	13,017	11,234	-13.7	1927	47,607
Hawaii	36,426	36,907	1.3	1993	34,582
Illinois	98	86	-12.2	-	**
Indiana	-	-	-	-	**
Louisiana	1,119,500	1,480,045	32.2	1984	1,931,027
Maine	183,905	229,633	24.9	1950	356,266
Maryland	61,468	67,118	9.2	1890	141,607
Massachusetts	252,518	198,336	-21.5	1948	649,696
Michigan	14,831	13,546	-8.7	1930	35,580
Minnesota	427	443	3.7	-	**
Mississippi	210,775	267,546	26.9	1984	476,997
New Hampshire	10,143	11,258	11.0	-	**
New Jersey	195,918	168,676	-13.9	1956	540,060
New York	57,533	48,176	-16.3	1880	335,000
North Carolina	182,161	154,869	-15.0	1981	432,006
Ohio	4,733	3,932	-16.9	1936	31,083
Oregon	230,125	233,177	1.3	1997	273,503
Pennsylvania	373	32	-91.4	-	**
Rhode Island	131,420	126,206	-4.0	1957	142,080
South Carolina	17,304	17,773	2.7	1965	26,611
Texas	89,217	86,281	-3.3	1960	237,684
Virginia	591,897	460,289	-22.2	1990	786,794
Washington	418,985	392,555	-6.3	1994	527,804
Wisconsin	6,991	5,803	-17.0	-	**

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, 1999
(short tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
71	Albany, NY	6,401,870	1,384,924	901,784	483,140	5,016,946
88	Alpena, MI	3,947,055	920,807	104,428	816,379	3,026,248
41	Anacortes, WA	16,231,602	3,761,750	2,864,243	897,507	12,469,852
93	Anchorage, AK	3,700,997	1,805,546	694,873	1,110,673	1,895,451
52	Ashtabula, OH	10,494,990	5,666,715	983,672	4,683,043	4,828,275
20	Baltimore, MD	37,287,472	23,072,072	15,464,031	7,608,041	14,215,400
61	Barbers Point, Oahu, HI	8,706,596	5,290,902	4,994,788	296,114	3,415,694
7	Baton Rouge, LA	63,728,759	20,404,552	13,330,923	7,073,629	43,324,207
6	Beaumont, TX	69,405,951	53,855,574	49,748,637	4,106,937	15,550,377
134	Bellingham, WA	1,525,767	900,978	325,965	575,013	624,789
102	Biloxi, MS	2,957,308	-	-	-	2,957,308
30	Boston, MA	22,170,862	12,840,521	12,199,093	641,428	9,330,341
86	Bridgeport, CT	4,153,980	1,161,394	1,154,933	6,461	2,992,586
111	Brownsville, TX	2,486,839	1,117,654	1,079,232	38,422	1,369,185
114	Brunswick, GA	2,370,643	2,108,790	1,427,180	681,610	261,853
120	Buffalo, NY	2,075,295	710,272	502,814	207,458	1,365,023
128	Buffington, IN	1,727,169	-	-	-	1,727,169
68	Burns Waterway Harbor, IN	7,455,911	27,818	-	27,818	7,428,093
54	Calcite, MI	9,532,653	2,363,299	535,450	1,827,849	7,169,354
73	Camden-Gloucester, NJ	5,714,982	3,306,380	2,928,178	378,202	2,408,602
34	Charleston, SC	19,916,241	14,886,470	8,222,636	6,663,834	5,029,771
135	Charlevoix, MI	1,488,897	42,180	10,500	31,680	1,446,717
130	Charlotte, FL	1,693,412	-	-	-	1,693,412
105	Chattanooga, TN	2,787,001	-	-	-	2,787,001
117	Chester, PA	2,281,574	1,730,684	1,549,758	180,926	550,890
26	Chicago, IL	26,602,449	5,913,611	5,166,986	746,625	20,688,838
46	Cincinnati, OH	14,293,775	-	-	-	14,293,775
43	Cleveland, OH	15,540,366	3,101,409	2,781,112	320,297	12,438,957
59	Conneaut, OH	8,868,427	3,940,983	100,742	3,840,241	4,927,444
107	Coos Bay, OR	2,630,871	2,155,766	65,149	2,090,617	475,105
5	Corpus Christi, TX	78,146,045	55,851,445	48,041,568	7,809,877	22,294,600
39	Detroit, MI	16,948,335	4,615,774	4,257,604	358,170	12,332,561
127	Drummond Island, MI	1,732,342	358,083	64,636	293,447	1,374,259
16	Duluth-Superior, MN and WI	42,296,553	12,869,230	720,304	12,148,926	29,427,323
149	Erie, PA	1,136,387	93,508	93,508	-	1,042,879
64	Escanaba, MI	8,511,389	-	-	-	8,511,389
92	Everett, WA	3,814,789	695,746	355,912	339,834	3,119,043
109	Fairport Harbor, OH	2,552,606	93,095	-	93,095	2,459,511
113	Fajardo, PR	2,406,064	2,052,808	1,962,095	90,713	353,256
97	Fall River, MA	3,395,111	509,219	504,775	4,444	2,885,892
24	Freeport, TX	28,076,004	22,517,138	20,629,944	1,887,194	5,558,866
53	Galveston, TX	10,335,825	7,041,053	3,539,492	3,501,561	3,294,772
57	Gary, IN	9,064,924	-	-	-	9,064,924
147	Georgetown, SC	1,269,386	1,170,050	1,136,170	33,880	99,336
137	Grays Harbor, WA	1,406,187	807,513	19,573	787,940	598,674
116	Green Bay, WI	2,333,383	446,351	432,052	14,299	1,887,032
104	Greenville, MS	2,853,505	-	-	-	2,853,505
121	Gulfport, MS	1,988,407	1,903,098	1,187,643	715,455	85,309
108	Guntersville, AL	2,595,701	-	-	-	2,595,701
125	Helena, AR	1,815,938	-	-	-	1,815,938

Table 5-1: SELECTED U.S. PORTS BY PORT NAME, 1999 (continued)
(short tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
129	Hilo, HI	1,701,147	77,560	77,560	-	1,623,587
49	Honolulu, HI	12,258,801	1,749,245	1,438,825	310,420	10,509,556
142	Hopewell, VA	1,330,019	614,091	-	614,091	715,928
2	Houston, TX	158,828,203	102,092,448	69,919,172	32,173,276	56,735,755
145	Humboldt, CA	1,301,746	652,217	100,925	551,292	649,529
29	Huntington, WV	22,313,997	-	-	-	22,313,997
148	Huron, OH	1,153,787	216	37	179	1,153,571
44	Indiana Harbor, IN	15,127,434	27	27	-	15,127,407
36	Jacksonville, FL	19,257,445	9,190,627	8,279,832	910,795	10,066,818
96	Kahului, Maui, HI	3,512,814	34,307	34,307	-	3,478,507
69	Kalama, WA	6,956,388	6,067,993	472,204	5,595,789	888,395
90	Kansas City, MO	3,863,728	-	-	-	3,863,728
138	Ketchikan, AK	1,400,489	739,620	56,209	683,411	660,869
124	Kivilina, AK	1,918,369	730,477	-	730,477	1,187,892
13	Lake Charles, LA	50,741,854	30,752,162	27,001,155	3,751,007	19,989,692
9	Long Beach, CA	60,882,795	42,208,155	28,447,669	13,760,486	18,674,640
87	Longview, WA	3,984,219	2,924,141	351,316	2,572,825	1,060,078
47	Lorain, OH	12,967,688	273,767	273,767	-	12,693,921
17	Los Angeles, CA	42,267,055	36,658,028	24,492,725	12,165,303	5,609,027
60	Louisville, KY	8,797,978	-	-	-	8,797,978
100	Marblehead, OH	3,120,801	413,952	60,165	353,787	2,706,849
35	Marcus Hook, PA	19,260,811	9,861,012	9,829,918	31,094	9,399,799
94	Marine City, MI	3,652,240	-	-	-	3,652,240
140	Marysville, MI	1,356,796	576,847	558,878	17,969	779,949
56	Matagorda Ship Channel, TX	9,077,589	5,971,144	5,636,463	334,681	3,106,445
40	Memphis, TN	16,611,022	-	-	-	16,611,022
67	Miami, FL	7,722,567	6,099,447	3,625,685	2,473,762	1,623,120
95	Milwaukee, WI	3,530,620	1,400,125	901,330	498,795	2,130,495
131	Minneapolis, MN	1,689,296	-	-	-	1,689,296
15	Mobile, AL	45,439,385	24,063,403	15,488,105	8,575,298	21,375,982
126	Monroe, MI	1,771,014	-	-	-	1,771,014
84	Morehead City, NC	4,635,515	2,943,340	928,465	2,014,875	1,692,175
99	Mount Vernon, IN	3,172,224	-	-	-	3,172,224
123	Muskegon, MI	1,925,307	160,294	160,112	182	1,765,013
83	Nashville, TN	4,723,194	-	-	-	4,723,194
141	Nawiliwili, Kauai, HI	1,348,363	2,707	2,707	-	1,345,656
76	New Castle, DE	5,463,446	413,328	407,511	5,817	5,050,118
62	New Haven, CT	8,686,655	2,040,920	1,911,763	129,157	6,645,735
4	New Orleans, LA	87,511,476	48,908,681	29,186,801	19,721,880	38,602,795
3	New York, NY and NJ	133,715,223	63,484,139	55,933,999	7,550,140	70,231,084
45	Newport News, VA	14,341,901	8,734,289	1,382,701	7,351,588	5,607,612
80	Nikishka, AK	5,147,777	2,754,848	539,394	2,215,454	2,392,929
18	Norfolk Harbor, VA	40,781,438	30,687,641	8,463,891	22,223,750	10,093,797
51	Oakland, CA	11,739,074	9,158,361	3,746,319	5,412,042	2,580,713
144	Olympia, WA	1,312,507	129,728	25,271	104,457	1,182,779
98	Palm Beach, FL	3,352,221	1,218,222	412,959	805,263	2,133,999
110	Panama City, FL	2,490,828	598,611	148,243	450,368	1,892,217
23	Pascagoula, MS	28,095,079	17,761,595	15,659,223	2,102,372	10,333,484
25	Paulsboro, NJ	26,845,472	17,850,509	17,759,373	91,136	8,994,963
112	Penn Manor, PA	2,471,903	2,383,425	2,319,022	64,403	88,478

Table 5-1: SELECTED U.S. PORTS BY PORT NAME, 1999 (continued)
(short tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
139	Pensacola, FL	1,399,775	306,568	82,345	224,223	1,093,207
19	Philadelphia, PA	39,270,741	25,266,737	24,986,819	279,918	14,004,004
11	Pittsburgh, PA	52,931,007	-	-	-	52,931,007
8	Plaquemines, LA, Port of	62,461,023	21,849,294	12,838,507	9,010,787	40,611,729
115	Ponce, PR	2,333,726	2,276,101	2,188,477	87,624	57,625
119	Port Angeles, WA	2,236,737	778,572	388,145	390,427	1,458,165
37	Port Arthur, TX	18,307,752	11,414,266	9,769,508	1,644,758	6,893,486
89	Port Canaveral, FL	3,915,714	2,466,989	2,209,928	257,061	1,448,725
101	Port Dolomite, MI	3,118,295	308,219	12,825	295,394	2,810,076
31	Port Everglades, FL	22,053,829	9,499,352	7,377,777	2,121,575	12,554,477
150	Port Hueneme, CA	1,120,776	1,029,303	929,188	100,115	91,473
74	Port Inland, MI	5,665,023	592,359	123,254	469,105	5,072,664
103	Port Jefferson, NY	2,867,039	43,293	43,293	-	2,823,746
91	Port Manatee, FL	3,852,872	2,289,266	2,249,011	40,255	1,563,606
33	Portland, ME	20,370,505	18,461,957	18,268,742	193,215	1,908,548
22	Portland, OR	29,339,074	16,438,705	4,698,328	11,740,377	12,900,369
85	Portsmouth, NH	4,555,669	3,536,961	3,507,401	29,560	1,018,708
55	Presque Isle, MI	9,530,507	2,983,915	-	2,983,915	6,546,592
63	Providence, RI	8,626,855	4,065,179	3,944,102	121,077	4,561,676
28	Richmond, CA	22,355,552	11,263,112	9,049,493	2,213,619	11,092,440
136	Salem, MA	1,422,291	963,211	963,052	159	459,080
106	San Diego, CA	2,659,072	2,149,913	1,693,986	455,927	509,159
122	San Francisco, CA	1,933,268	1,157,523	869,166	288,357	775,745
42	San Juan, PR	15,555,483	7,590,982	7,015,994	574,988	7,964,501
82	Sandusky, OH	4,898,365	3,936,153	-	3,936,153	962,212
38	Savannah, GA	18,156,379	15,402,604	9,192,033	6,210,571	2,753,775
146	Searsport, ME	1,301,675	910,724	904,483	6,241	390,951
27	Seattle, WA	25,442,979	16,388,650	9,031,475	7,357,175	9,054,329
81	Silver Bay, MN	5,023,261	-	-	-	5,023,261
1	South Louisiana, LA, Port of	214,196,912	94,742,990	29,407,479	65,335,511	119,453,922
79	St. Clair, MI	5,326,020	-	-	-	5,326,020
21	St. Louis, MO and IL	32,650,783	-	-	-	32,650,783
78	St. Paul, MN	5,334,884	-	-	-	5,334,884
143	Stockton, CA	1,314,794	1,160,430	923,902	236,528	154,364
58	Stoneport, MI	8,873,445	509,753	28,105	481,648	8,363,692
32	Tacoma, WA	21,103,313	13,322,509	4,344,588	8,977,921	7,780,804
65	Taconite, MN	8,365,595	-	-	-	8,365,595
12	Tampa, FL	51,518,312	19,005,479	6,995,638	12,009,841	32,512,833
14	Texas City, TX	49,502,557	31,239,512	28,012,342	3,227,170	18,263,045
48	Toledo, OH	12,326,606	6,419,903	1,589,579	4,830,324	5,906,703
133	Trenton, NJ	1,526,591	-	-	-	1,526,591
118	Tulsa, Port of Catoosa, OK	2,246,906	-	-	-	2,246,906
50	Two Harbors, MN	11,872,419	300,912	-	300,912	11,571,507
10	Valdez, AK	53,391,575	3,997,652	5,597	3,992,055	49,393,923
66	Vancouver, WA	7,824,713	5,372,198	1,024,943	4,347,255	2,452,515
72	Vicksburg, MS	6,093,270	-	-	-	6,093,270
75	Victoria, TX	5,521,873	-	-	-	5,521,873
132	Weedon Island, FL	1,635,097	-	-	-	1,635,097
77	Wilmington, DE	5,368,769	4,219,166	3,687,878	531,288	1,149,603
70	Wilmington, NC	6,502,818	2,962,580	2,100,987	861,593	3,540,238

Table 5-2: SELECTED U.S. PORTS BY PORT NAME, 1999, RANKED BY TOTAL TONS
(short tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
1	South Louisiana, LA, Port of	214,196,912	94,742,990	29,407,479	65,335,511	119,453,922
2	Houston, TX	158,828,203	102,092,448	69,919,172	32,173,276	56,735,755
3	New York, NY and NJ	133,715,223	63,484,139	55,933,999	7,550,140	70,231,084
4	New Orleans, LA	87,511,476	48,908,681	29,186,801	19,721,880	38,602,795
5	Corpus Christi, TX	78,146,045	55,851,445	48,041,568	7,809,877	22,294,600
6	Beaumont, TX	69,405,951	53,855,574	49,748,637	4,106,937	15,550,377
7	Baton Rouge, LA	63,728,759	20,404,552	13,330,923	7,073,629	43,324,207
8	Plaquemines, LA, Port of	62,461,023	21,849,294	12,838,507	9,010,787	40,611,729
9	Long Beach, CA	60,882,795	42,208,155	28,447,669	13,760,486	18,674,640
10	Valdez, AK	53,391,575	3,997,652	5,597	3,992,055	49,393,923
11	Pittsburgh, PA	52,931,007	-	-	-	52,931,007
12	Tampa, FL	51,518,312	19,005,479	6,995,638	12,009,841	32,512,833
13	Lake Charles, LA	50,741,854	30,752,162	27,001,155	3,751,007	19,989,692
14	Texas City, TX	49,502,557	31,239,512	28,012,342	3,227,170	18,263,045
15	Mobile, AL	45,439,385	24,063,403	15,488,105	8,575,298	21,375,982
16	Duluth-Superior, MN and WI	42,296,553	12,869,230	720,304	12,148,926	29,427,323
17	Los Angeles, CA	42,267,055	36,658,028	24,492,725	12,165,303	5,609,027
18	Norfolk Harbor, VA	40,781,438	30,687,641	8,463,891	22,223,750	10,093,797
19	Philadelphia, PA	39,270,741	25,266,737	24,986,819	279,918	14,004,004
20	Baltimore, MD	37,287,472	23,072,072	15,464,031	7,608,041	14,215,400
21	St. Louis, MO and IL	32,650,783	-	-	-	32,650,783
22	Portland, OR	29,339,074	16,438,705	4,698,328	11,740,377	12,900,369
23	Pascagoula, MS	28,095,079	17,761,595	15,659,223	2,102,372	10,333,484
24	Freeport, TX	28,076,004	22,517,138	20,629,944	1,887,194	5,558,866
25	Paulsboro, NJ	26,845,472	17,850,509	17,759,373	91,136	8,994,963
26	Chicago, IL	26,602,449	5,913,611	5,166,986	746,625	20,688,838
27	Seattle, WA	25,442,979	16,388,650	9,031,475	7,357,175	9,054,329
28	Richmond, CA	22,355,552	11,263,112	9,049,493	2,213,619	11,092,440
29	Huntington, WV	22,313,997	-	-	-	22,313,997
30	Boston, MA	22,170,862	12,840,521	12,199,093	641,428	9,330,341
31	Port Everglades, FL	22,053,829	9,499,352	7,377,777	2,121,575	12,554,477
32	Tacoma, WA	21,103,313	13,322,509	4,344,588	8,977,921	7,780,804
33	Portland, ME	20,370,505	18,461,957	18,268,742	193,215	1,908,548
34	Charleston, SC	19,916,241	14,886,470	8,222,636	6,663,834	5,029,771
35	Marcus Hook, PA	19,260,811	9,861,012	9,829,918	31,094	9,399,799
36	Jacksonville, FL	19,257,445	9,190,627	8,279,832	910,795	10,066,818
37	Port Arthur, TX	18,307,752	11,414,266	9,769,508	1,644,758	6,893,486
38	Savannah, GA	18,156,379	15,402,604	9,192,033	6,210,571	2,753,775
39	Detroit, MI	16,948,335	4,615,774	4,257,604	358,170	12,332,561
40	Memphis, TN	16,611,022	-	-	-	16,611,022
41	Anacortes, WA	16,231,602	3,761,750	2,864,243	897,507	12,469,852
42	San Juan, PR	15,555,483	7,590,982	7,015,994	574,988	7,964,501
43	Cleveland, OH	15,540,366	3,101,409	2,781,112	320,297	12,438,957
44	Indiana Harbor, IN	15,127,434	27	27	-	15,127,407
45	Newport News, VA	14,341,901	8,734,289	1,382,701	7,351,588	5,607,612
46	Cincinnati, OH	14,293,775	-	-	-	14,293,775
47	Lorain, OH	12,967,688	273,767	273,767	-	12,693,921
48	Toledo, OH	12,326,606	6,419,903	1,589,579	4,830,324	5,906,703
49	Honolulu, HI	12,258,801	1,749,245	1,438,825	310,420	10,509,556
50	Two Harbors, MN	11,872,419	300,912	-	300,912	11,571,507

Table 5-2: SELECTED U.S. PORTS BY PORT NAME, 1999, RANKED BY TOTAL TONS (continued)
(short tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
51	Oakland, CA	11,739,074	9,158,361	3,746,319	5,412,042	2,580,713
52	Ashtabula, OH	10,494,990	5,666,715	983,672	4,683,043	4,828,275
53	Galveston, TX	10,335,825	7,041,053	3,539,492	3,501,561	3,294,772
54	Calcite, MI	9,532,653	2,363,299	535,450	1,827,849	7,169,354
55	Presque Isle, MI	9,530,507	2,983,915	-	2,983,915	6,546,592
56	Matagorda Ship Channel, TX	9,077,589	5,971,144	5,636,463	334,681	3,106,445
57	Gary, IN	9,064,924	-	-	-	9,064,924
58	Stoneport, MI	8,873,445	509,753	28,105	481,648	8,363,692
59	Conneaut, OH	8,868,427	3,940,983	100,742	3,840,241	4,927,444
60	Louisville, KY	8,797,978	-	-	-	8,797,978
61	Barbers Point, Oahu, HI	8,706,596	5,290,902	4,994,788	296,114	3,415,694
62	New Haven, CT	8,686,655	2,040,920	1,911,763	129,157	6,645,735
63	Providence, RI	8,626,855	4,065,179	3,944,102	121,077	4,561,676
64	Escanaba, MI	8,511,389	-	-	-	8,511,389
65	Taconite, MN	8,365,595	-	-	-	8,365,595
66	Vancouver, WA	7,824,713	5,372,198	1,024,943	4,347,255	2,452,515
67	Miami, FL	7,722,567	6,099,447	3,625,685	2,473,762	1,623,120
68	Burns Waterway Harbor, IN	7,455,911	27,818	-	27,818	7,428,093
69	Kalama, WA	6,956,388	6,067,993	472,204	5,595,789	888,395
70	Wilmington, NC	6,502,818	2,962,580	2,100,987	861,593	3,540,238
71	Albany, NY	6,401,870	1,384,924	901,784	483,140	5,016,946
72	Vicksburg, MS	6,093,270	-	-	-	6,093,270
73	Camden-Gloucester, NJ	5,714,982	3,306,380	2,928,178	378,202	2,408,602
74	Port Inland, MI	5,665,023	592,359	123,254	469,105	5,072,664
75	Victoria, TX	5,521,873	-	-	-	5,521,873
76	New Castle, DE	5,463,446	413,328	407,511	5,817	5,050,118
77	Wilmington, DE	5,368,769	4,219,166	3,687,878	531,288	1,149,603
78	St. Paul, MN	5,334,884	-	-	-	5,334,884
79	St. Clair, MI	5,326,020	-	-	-	5,326,020
80	Nikishka, AK	5,147,777	2,754,848	539,394	2,215,454	2,392,929
81	Silver Bay, MN	5,023,261	-	-	-	5,023,261
82	Sandusky, OH	4,898,365	3,936,153	-	3,936,153	962,212
83	Nashville, TN	4,723,194	-	-	-	4,723,194
84	Morehead City, NC	4,635,515	2,943,340	928,465	2,014,875	1,692,175
85	Portsmouth, NH	4,555,669	3,536,961	3,507,401	29,560	1,018,708
86	Bridgeport, CT	4,153,980	1,161,394	1,154,933	6,461	2,992,586
87	Longview, WA	3,984,219	2,924,141	351,316	2,572,825	1,060,078
88	Alpena, MI	3,947,055	920,807	104,428	816,379	3,026,248
89	Port Canaveral, FL	3,915,714	2,466,989	2,209,928	257,061	1,448,725
90	Kansas City, MO	3,863,728	-	-	-	3,863,728
91	Port Manatee, FL	3,852,872	2,289,266	2,249,011	40,255	1,563,606
92	Everett, WA	3,814,789	695,746	355,912	339,834	3,119,043
93	Anchorage, AK	3,700,997	1,805,546	694,873	1,110,673	1,895,451
94	Marine City, MI	3,652,240	-	-	-	3,652,240
95	Milwaukee, WI	3,530,620	1,400,125	901,330	498,795	2,130,495
96	Kahului, Maui, HI	3,512,814	34,307	34,307	-	3,478,507
97	Fall River, MA	3,395,111	509,219	504,775	4,444	2,885,892
98	Palm Beach, FL	3,352,221	1,218,222	412,959	805,263	2,133,999
99	Mount Vernon, IN	3,172,224	-	-	-	3,172,224
100	Marblehead, OH	3,120,801	413,952	60,165	353,787	2,706,849

Table 5-2: SELECTED U.S. PORTS BY PORT NAME, 1999, RANKED BY TOTAL TONS (continued)
(short tons)

Rank	Port Name	Total	Foreign	Imports	Exports	Domestic
101	Port Dolomite, MI	3,118,295	308,219	12,825	295,394	2,810,076
102	Biloxi, MS	2,957,308	-	-	-	2,957,308
103	Port Jefferson, NY	2,867,039	43,293	43,293	-	2,823,746
104	Greenville, MS	2,853,505	-	-	-	2,853,505
105	Chattanooga, TN	2,787,001	-	-	-	2,787,001
106	San Diego, CA	2,659,072	2,149,913	1,693,986	455,927	509,159
107	Coos Bay, OR	2,630,871	2,155,766	65,149	2,090,617	475,105
108	Guntersville, AL	2,595,701	-	-	-	2,595,701
109	Fairport Harbor, OH	2,552,606	93,095	-	93,095	2,459,511
110	Panama City, FL	2,490,828	598,611	148,243	450,368	1,892,217
111	Brownsville, TX	2,486,839	1,117,654	1,079,232	38,422	1,369,185
112	Penn Manor, PA	2,471,903	2,383,425	2,319,022	64,403	88,478
113	Fajardo, PR	2,406,064	2,052,808	1,962,095	90,713	353,256
114	Brunswick, GA	2,370,643	2,108,790	1,427,180	681,610	261,853
115	Ponce, PR	2,333,726	2,276,101	2,188,477	87,624	57,625
116	Green Bay, WI	2,333,383	446,351	432,052	14,299	1,887,032
117	Chester, PA	2,281,574	1,730,684	1,549,758	180,926	550,890
118	Tulsa, Port of Catoosa, OK	2,246,906	-	-	-	2,246,906
119	Port Angeles, WA	2,236,737	778,572	388,145	390,427	1,458,165
120	Buffalo, NY	2,075,295	710,272	502,814	207,458	1,365,023
121	Gulfport, MS	1,988,407	1,903,098	1,187,643	715,455	85,309
122	San Francisco, CA	1,933,268	1,157,523	869,166	288,357	775,745
123	Muskegon, MI	1,925,307	160,294	160,112	182	1,765,013
124	Kivilina, AK	1,918,369	730,477	-	730,477	1,187,892
125	Helena, AR	1,815,938	-	-	-	1,815,938
126	Monroe, MI	1,771,014	-	-	-	1,771,014
127	Drummond Island, MI	1,732,342	358,083	64,636	293,447	1,374,259
128	Buffington, IN	1,727,169	-	-	-	1,727,169
129	Hilo, HI	1,701,147	77,560	77,560	-	1,623,587
130	Charlotte, FL	1,693,412	-	-	-	1,693,412
131	Minneapolis, MN	1,689,296	-	-	-	1,689,296
132	Weedon Island, FL	1,635,097	-	-	-	1,635,097
133	Trenton, NJ	1,526,591	-	-	-	1,526,591
134	Bellingham, WA	1,525,767	900,978	325,965	575,013	624,789
135	Charlevoix, MI	1,488,897	42,180	10,500	31,680	1,446,717
136	Salem, MA	1,422,291	963,211	963,052	159	459,080
137	Grays Harbor, WA	1,406,187	807,513	19,573	787,940	598,674
138	Ketchikan, AK	1,400,489	739,620	56,209	683,411	660,869
139	Pensacola, FL	1,399,775	306,568	82,345	224,223	1,093,207
140	Marysville, MI	1,356,796	576,847	558,878	17,969	779,949
141	Nawiliwili, Kauai, HI	1,348,363	2,707	2,707	-	1,345,656
142	Hopewell, VA	1,330,019	614,091	-	614,091	715,928
143	Stockton, CA	1,314,794	1,160,430	923,902	236,528	154,364
144	Olympia, WA	1,312,507	129,728	25,271	104,457	1,182,779
145	Humboldt, CA	1,301,746	652,217	100,925	551,292	649,529
146	Searsport, ME	1,301,675	910,724	904,483	6,241	390,951
147	Georgetown, SC	1,269,386	1,170,050	1,136,170	33,880	99,336
148	Huron, OH	1,153,787	216	37	179	1,153,571
149	Erie, PA	1,136,387	93,508	93,508	-	1,042,879
150	Port Hueneme, CA	1,120,776	1,029,303	929,188	100,115	91,473

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

Complimentary Copies

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: Maggie Moses, (703) 428-8458)

* Effective with the calendar year 1994 publications.

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. Point of contact is Ms. Peggy Galliano (504) 862-1424, FAX (504) 862-1423.

For a review of other services provided through the Navigation Data Center, please contact the Internet Access NDC Home Page at <http://www-iwr.usace.army.mil/ndc> or for E-mail: webmaster@iwr-ndc.usace.army.mil.
(10/20/2000)

Ordering Guide for Port Series Reports

<u>NO.</u>		<u>Date of Publication</u>	<u>Sales Price</u>
1	Portland and Searsport, ME, and Portsmouth, NH	1985	\$ 8.00
3	Boston, MA	1994	16.00
4	Ports of Southern New England (Bridgeport, CT; New Haven, CT; Connecticut River; New London, CT; Providence, RI; Fall River and New Bedford, MA; Fairhaven, MA)	1994	20.00
5	New York, NY, and NJ, and Ports on Long Island, NY	1999	46.00
6	Albany and Ports on Hudson River, NY	1996	14.00
8	Philadelphia, PA; Camden, NJ; Wilmington, DE; and Ports on Delaware River	1998	21.00
10	Baltimore, MD	2000	18.00
11	Ports of Hampton Roads, and Ports on the James and York Rivers, VA	1993	30.00
12	Wilmington and Morehead City, NC	1997	20.00
13	Charleston and Georgetown, SC	1997	13.00
14	Savannah and Brunswick, GA	2000	17.00
15	Jacksonville and Fernandina Beach, FL	1997	13.00
16	Miami, Port Everglades, Palm Beach, and Port Canaveral, FL	1999	33.00
17	The Ports of Tampa and Port Manatee, FL	1996	17.00
18	Mobile, AL	1998	9.00
19	Panama City and Penscola, FL; Pascagoula and Gulfport, MS; and Ports on the Apalachicola, Chattahoochee, and Flint Rivers	1998	21.00
20	New Orleans, LA	1990	12.00
20A	Mississippi River Ports Below and Above New Orleans, LA	1991	12.00
21	Baton Rouge and Lake Charles, LA	1990	13.00
22	Port Arthur, Beaumont, and Orange, TX	2000*	-
23	Galveston and Texas City, TX	1996	17.00
24	Houston, TX	1999	33.00
25	Corpus Christi, TX	1993	12.00
26	Freeport, Point Comfort/Port Lavaca, Brownsville, and Ports along Gulf Intracoastal Waterway, TX	1991	12.00
27	San Diego, CA	1998	23.00
28	The Ports of Long Beach, Los Angeles and Port Hueneme, CA	1996	23.00
30	San Francisco, Redwood City, and Humboldt Bay, CA	2000*	-
31	Oakland, Alameda, Richmond, and Ports on Carquinez Strait, CA	2000*	-
32	Sacramento, Stockton, Pittsburg and Antioch, Ca	1996	22.00
33	Coos Bay, OR and Ports on Columbia-Snake River System	1986	13.00
34	Portland, Astoria, The Dalles, Boardman, and Umatilla, OR; Longview, Kalama, Vancouver, Pasco/ Kennewick, Wilma, and Clarkston, WA; and Lewiston, ID	1996	36.00
35	The Ports of Tacoma, Olympia and Grays Harbor, WA	1993	15.00
36	Seattle, WA	1993	22.00
37	Port Angeles, Port Townsend, Everett, Anacortes, and Bellingham, WA.	1998	10.00
38	Ports of Southeast Alaska (Metlakatla, Ketchikan, Hollis, Thorne Bay, Hydaburg, Craig, Klawock, Wrangell, Petersburg, Kake, Juneau, Angoon, Haines, Skagway, Sitka, Pelican, Gustavus, Hoonah, and Yakutat)	1995	23.00
39	Ports of Southwest and Western Alaska (NEW EDITION)	1994	23.00
41	Buffalo, Rochester, Oswego, and Ogdensburg, NY	1990	7.50
42	U.S. Ports on Lake Erie (Erie, PA; Conneaut, Ashtabula, Fairport Harbor, Lorain, Huron, and Sandusky, OH)	1990	10.00
43	Cleveland, OH	2000	8.50
44	Toledo, OH	2000	8.50
45	Detroit and Ports on the Saginaw River, MI	1996	25.00
46	Chicago, IL	1995	23.00
48	The Port of Milwaukee, WI and Ports on Lake Michigan	1995	26.00
49	Duluth, MN; Superior, WI; Taconite Harbor, Silver Bay, and Two Harbors, MN; and Ashland, WI.	2000	11.00
50	Ports of Hawaii (Honolulu, Kahului, Nawiliwili, Port Allen, Kuanakakai, Kaunalapau, Hilo, and Kawaihae)	1999	15.00
60	Pittsburgh, PA, and Ports on the Ohio, Monogahela, and Allegheny Rivers, PA.	1992	14.00
61	Huntington, WV, Ports on Ohio River (Miles 40-317), and Kanawha River, WV	1992	14.00
62	Cincinnati, OH, and Ports on Ohio River (Miles 317-560)	1991	10.00
63	Louisville, KY, Ports on Ohio River (Miles 560-980), and Cumberland and Green Rivers	1992	12.00
64	Ports on Tennessee River, Tennessee-Tombigbee and Black Warrior-Tombigbee Waterways, and Alabama River	1998	38.00
65	Illinois Waterway, IL.	1994	14.00
68	Ports on the Missouri, Arkansas, Verdigris, White, and Ouachita Rivers	1987	12.00
69	Minneapolis-St. Paul, MN, and Ports on Upper Mississippi River (Miles 300-860 AOR)	1994	38.00
70	St. Louis, MO, and Ports on Upper Mississippi River (Miles 0-300 AOR)	1992	11.00
71	Memphis, TN; Helena, AR; and Ports on Lower Mississippi River (Miles 620-954 AHP)	1993	12.00
72	Natchez, Vicksburg, and Greenville, MS, and Ports on Lower Mississippi River (Miles 255-620 AHP)	1991	9.00

* Tentative date of publication (as of 10/20/2000).

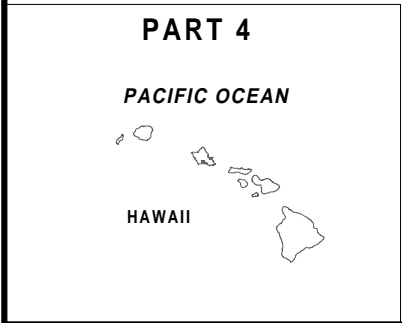
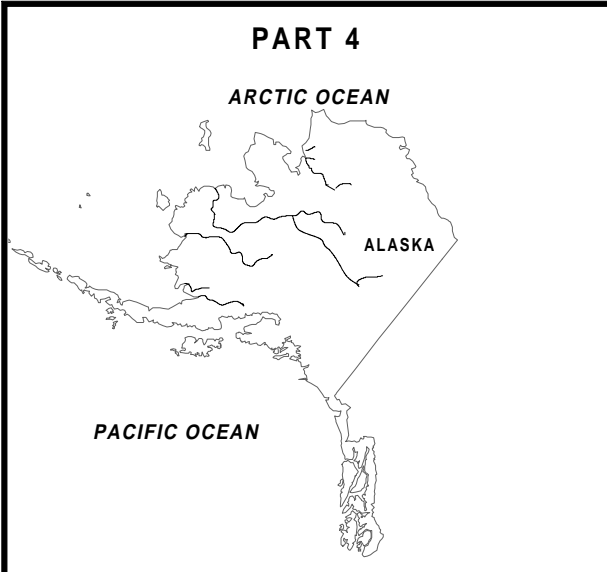
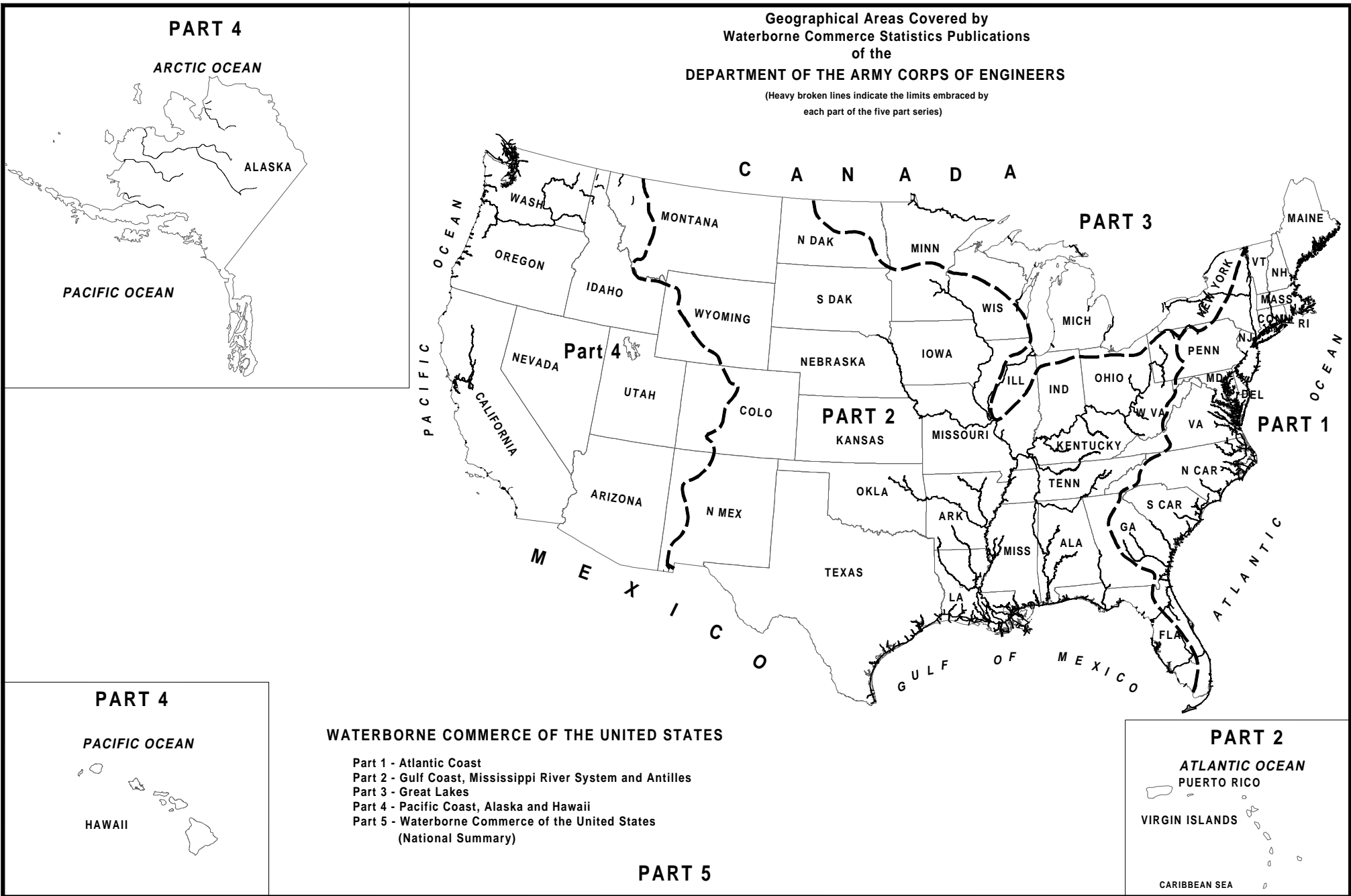
Port Series reports may be ordered from the Navigation Data Center (CEIWR-NDC-P), 7701 Telegraph Road, Casey Building, Alexandria, VA 22315-3868. Federal law requires advance payment for all purchases. Check or money order (in U.S. funds) should be made payable to the Superintendent of Documents. Telephone/telefax orders are accepted and can be charged to Visa, Master Card, Discover/Novus and Superintendent of Documents accounts. (Publications are mailed postpaid (4th Class Mail) on the same day that order is received unless a prepaid alternate delivery method is specified. Prices are subject to change without notice.

Contact: Donna Norbutt - voice: (703) 428-8059 FAX: (703) 428-6047 or 428-8171

(10/20/2000)

**Geographical Areas Covered by
Waterborne Commerce Statistics Publications
of the
DEPARTMENT OF THE ARMY CORPS OF ENGINEERS**

(Heavy broken lines indicate the limits embraced by
each part of the five part series)



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

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