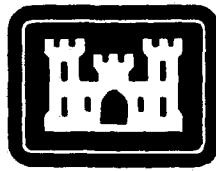


WATERBORNE COMMERCE OF THE UNITED STATES

Calendar Year 1988

**PART 5
NATIONAL SUMMARIES**

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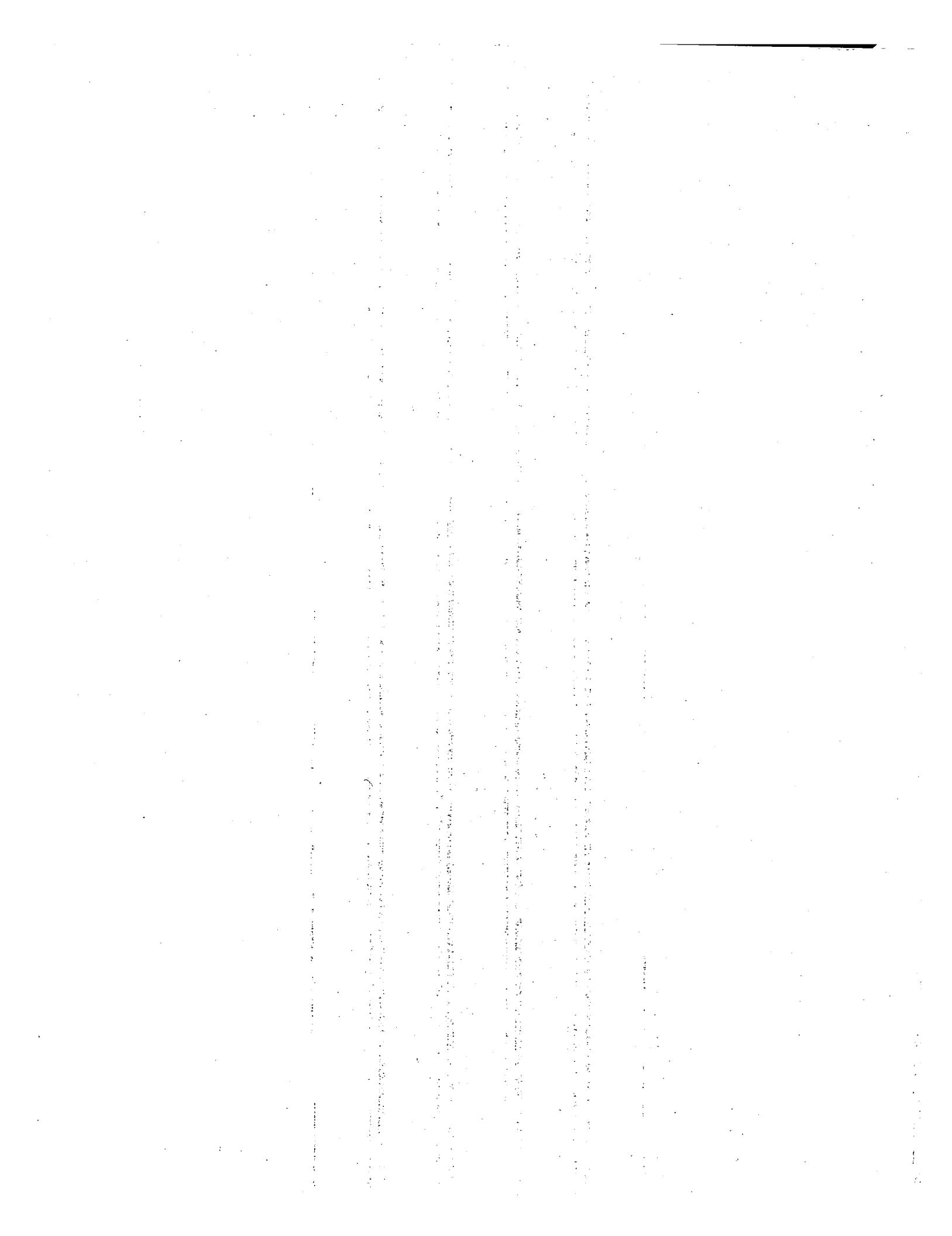


**DEPARTMENT OF THE ARMY
CORPS OF ENGINEERS**

WATER RESOURCES SUPPORT CENTER

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**WATERBORNE COMMERCE
OF THE UNITED STATES
CALENDAR YEAR 1988**

PART 5

NATIONAL SUMMARIES

COMPILED UNDER THE SUPERVISION OF
THE WATER RESOURCES SUPPORT CENTER
U.S. ARMY CORPS OF ENGINEERS
FORT BELVOIR, VIRGINIA

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INTRODUCTION

VII

This publication is one of a series containing statistics on the waterborne commerce of the United States during the calendar year 1988. Four of these publications present detailed data on the movements of commodities and vessels at the ports and harbors and on the waterways and canals of the United States, the Commonwealth of Puerto Rico, and the Virgin Islands, and the fifth contains summary data of the country as a whole. The numbers of the publications and the areas covered are:

Area

- 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 Summaries)

Both the foreign and domestic commerce moved on United States waters are included. Data on the foreign commerce were supplied to the Corps of Engineers by the Bureau of the Census; data for the compilation of the domestic statistics were collected by the several offices of the Corps of Engineers, Department of the Army, in compliance with various acts of Congress. The principal provision governing the collection of these data is included in the River and Harbor Act of September 22, 1922; as amended by Section 919 of the 1986 Water Resources Development Act.

Section 11. That 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 War: Provided, that this provision shall not apply to those rafting logs, except upon a direct request upon the owner to furnish specific information.

That every person or persons offending against the provisions of this section, shall for each and every offense, be liable to a fine of \$5,000 or imprisonment not exceeding two months, to be enforced in any district court in the United States within whose territorial jurisdiction such offense may have been committed.

While the information as now collected and compiled is designed to meet the administrative requirements of the Department of the Army in connection with the duties assigned by Congress, it also provides useful data for other governmental departments, commercial and shipping concerns, and others interested in transportation.

Waterborne traffic movements were reported to the Corps of Engineers by all vessel operators of record on prescribed forms approved by the Office of Management and Budget under the Federal Reports Act of 1942 for those movements of their vessels which were classified as domestic traffic; namely, between United States ports, continental and noncontiguous, and on the island rivers, canals, and connecting channels of the United States, Puerto Rico, and the Virgin Islands, excluding the Panama Canal. The reports were generally submitted on the basis of a vessel movement completed in one direction and, for movements with cargo, the origin and destination of the water transportation of each individual commodity. In compiling the data, the entire movement was included in the year in which the movement was completed even though the shipment may have originated in the preceding year, except that, beginning with calendar year 1961 statistics, a cutoff date of 28 February was established for the processing of reports from vessel operators covering the prior year's completed movements. Hence, reports of movements completed in 1988⁵ but not reported to the Corps of Engineers until after 28 February 1989⁶ will be included in the next year's, 1989, statistics rather than in this publication, while reports of movements completed in 1987⁷ but reported to the Corps after 28 February 1988⁸ are included in this publication.

Sponsored by the Office of Statistical Policy, Office of Management and Budget, a uniform system of classification for freight was developed with cooperation of all Federal agencies engaged in collecting and compiling data on shipping. This classification, the Commodity Classification for Domestic Waterborne Commerce, is used for data on the foreign and domestic commerce presented in these publications, although some minor modifications exist in the foreign data which were necessitated by Bureau of the Census policies and procedures.

The domestic traffic includes all commercial movements between points in the United States, Puerto Rico, and the Virgin Islands. Traffic with the Panama Canal Zone is treated as foreign commerce. Cargo moved for the military agencies in commercial vessels is reported as ordinary commercial cargo; military cargo moved in Department of Defense vessels is omitted from these statistics.

All movements between the United States and foreign countries and between Puerto Rico and Virgin Islands, U.S.A., and foreign countries are classified as foreign traffic. Trade between United States territories and possessions, i.e. Guam, Wake, American Samoa, etc., and foreign countries is excluded.

These data are furnished to the Corps of Engineers by the Bureau of the Census under a working arrangement sponsored by the Office of Statistical Policy, Office of Management and Budget. The data are confined to movements by water, and are reconcilable with published reports of the Bureau of the Census. Shipments of domestic merchandise and re-exports of foreign merchandise are termed exports. The imports include inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses. Intransit merchandise, defined by the Bureau of the Census as merchandise coming into the United States from a foreign country and shipped to a foreign country without having been entered as an import, is treated as an import when unloaded from a vessel and as an export when loaded on a vessel. Export shipments for use of the United States Armed Forces abroad are excluded from the statistics as are import shipments on Department of Defense owned and operated vessels. Foreign trade data of territories and possessions other than Puerto Rico and the Virgin Islands, which are under the jurisdiction of the Department of the Interior, were not furnished to the Corps of Engineers by the Bureau of the Census and are excluded from the statistics of both agencies.

Export shipments under the various foreign aid programs on Department of Defense operated vessels, either American Flag commercial vessels under time, voyage, or space charter or vessels owned and operated by the Department of Defense, and various items (listed by the Census) which affect national security are not published in terms of the individual commodities shipped. Instead, a lump-sum tonnage figure is compiled and appears in these tables as commodity code 9999, "Department of Defense Controlled Cargo and Special Category Items."

The 1988 statistics on waterborne exports of domestic and foreign merchandise and non-Department of Defense shipments of Special Category commodities reflect fully compiled data for shipments to Canada individually valued at \$2,000 and over combined with estimated data for shipments valued \$251-\$1,999, based on a 10-percent sample of such shipments. For countries other than Canada, the export statistics reflect fully compiled data for shipments valued \$1,000 and over combined with estimated data for shipments valued \$251-\$999, based on a 50-percent sample of such shipments. Data on export shipments valued under \$251 are excluded from this report.

Import statistics for 1988 exclude data on shipments valued \$250 and under reported on both formal and informal entries. Informal entries generally contain items valued not more than \$250.

Foreign trade data furnished by Census are based on reports processed for Census' monthly data January through December and represent statistical year rather than calendar year data.

VIII

Waterborne Commerce of the United States, 1988

For Parts 1 through 4, and Section 1 of Part 5, ton-mileage data are computed by the Corps of Engineers to reflect movements on rivers, inland waterways, and waters of the Great Lakes System only. Cargoes of deep-sea vessels - both in the foreign and domestic trades - are included only for that portion of the voyage that occurred on inland rivers, canals, or connecting channels. Thus, for a movement of commodities from Boston, Massachusetts, to New Orleans, Louisiana, ton-miles are computed for the haul on the Cape Cod Canal - if this canal was transited during the trip - and for the haul on the Mississippi River, the carriage on the ocean and Gulf of Mexico is not taken into account. In Section 3 of Part 5, ton-mileage data are based on the entire haul for the domestic traffic.

TERMS FOR KIND OF TRAFFIC

Imports and exports. These terms apply to traffic between the United States and Foreign ports, including the Canal Zone. Traffic of U.S. Great Lakes ports with Canada is supplemented by the term "Canadian" to differentiate it from overseas traffic.

Coastwise receipts and shipments. These terms apply to 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, Puerto Rico to Hawaii. Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed "coastwise." The Chesapeake Bay and Puget Sound are considered internal bodies of water rather than arms of the ocean and therefore, traffic confined to these areas is "internal" rather than "coastwise."

Lakewise receipts and shipments. These terms apply to traffic between United States ports on the Great Lakes System. The Great Lakes System is treated as a separate system rather than as a part of the inland system.

Internal receipts and shipments. These terms apply to traffic between ports or landings wherein the entire movement takes place on inland waterways. Also termed internal are movements involving carriage on both inland waterways and waters of the Great Lakes; inland movements that cross short stretches of open waters which link inland systems; marine products, sand and gravel taken directly from beds of the oceans, the Gulf of Mexico and important arms thereof; and movements between offshore installations and inland waterways.

Local. Movements of freight within the confines of a port whether the port has only one or several arms or channels, except car-ferry and general ferry, are termed "local." The term is also applied to marine products, sand, and gravel taken directly from the Great Lakes.

Intraterritory receipts and shipments. These terms apply to traffic between ports in Puerto Rico and the Virgin Islands, U.S.A. which are considered as a single unit.

SECTION 2 of this publication presents on an area-to-area basis the tonnages of principal commodities transported by vessels in the domestic inland waterway trade of the United States. For each commodity, the total for the United States (total of all shipping areas), the total shipped from each shipping area, and the total from each shipping area to each receiving area (destination) are shown in the tables. The origin and destination areas are defined in terms of waterways, incorporating minor tributaries, and in some instances, major ports, which are not susceptible to inclusion in a single waterway. The area designations are designed to avoid disclosure of individual company operations.

These data cover those movements confined to the inland waterways and between the inland waterways and United States ports on the Great Lakes, they combine the totals of internal and local types of traffic as defined above. Collectively, the selected commodities included account for 75.7 percent of the total domestic inland traffic.

SECTION 3 presents the performance of the water carrier industry in terms of ton-miles on a type of service basis and provides detailed data on types of traffic and commodities transported in the domestic trades, also in terms of ton-miles during 198. Water carriage ton-miles were first compiled and published for 1962. However, somewhat comparable data were released for 1961. The 1961 compilations were made on a carrier (ICC regulated and exempt) basis rather than by type of service; regulated carriers may engage in more than one type of service.

Preparation and publication of these data were sponsored by the Office of Statistical Policy, Office of Management and Budget, in response to numerous requests received from congressional, federal and private agencies.

Ton-miles were computed by the Corps of Engineers based on origin/destination of commodity tonnages reported by vessel operators on Office of Management and Budget approved ENG Form 3925 and related forms; these forms were submitted to the Corps for the compilation of port and waterway statistics published in Parts 1 to 5 of "Waterborne Commerce of the United States." Distance factors used are in statute miles and, for the Coastwise trade, represent mileage on the shortest route that safe navigation permits between ports of origin and destination. The factors for this trade were developed from United States Coast and Geodetic Surveys, "Distance Between United States Ports," and United States Navy Hydrographic Offices, "Table of Distances Between Ports." For rivers and inland waterways, distance factors were developed from waterway survey maps and records of the Corps of Engineers and are based on the actual routes reported by vessel operators on the reporting forms.

Type of service (carriage) is based on information supplied by vessel operators on the reporting forms, which were modified for the 1962 statistics to obtain this information. Categories of service are: (1) Regulated, which is common and contract carriage subject to economic regulation by the Interstate Commerce Commission. (2) Exempt, for hire, carriage which is exempt from regulation by the Commission because of specific provisions in Part III, Interstate Commerce Act. (3) Private, which represents the movement of the property of the water carrier in the vessels it operates; this category is also exempt from regulation by the Commission.

The commodities are listed in terms of the Commodity Classification for Domestic Waterborne Commerce used in all 5 parts of the Corps of Engineers' annual publication, "Waterborne Commerce of the United States." Types of traffic are also the same as those reported and defined above. Both traffic and commodity ton-miles in this section bear a direct relationship to the corresponding tonnages reported in Table 2 of Section 1, consequently, the ton-mile data herein are based on the same February 28 cutoff date used in the compilation of the tonnage data.

Total ton-miles for all types of traffic shown in Table 1 of this section are considerably higher than the total shown in Table 6 of Section 1. The difference is entirely in Coastwise traffic, since the total distance, both inland and ocean, was used in developing data presented in this section, whereas only the inland portion is included in tables comprising Section 1. Both of these tables include ton-miles for the foreign trade of the U.S. in U.S. flag as well as foreign flag vessels; however, the computation is limited to the distance transported on the Great Lakes between the head of the Lakes at Duluth/Superior and the international boundary at St. Regis, Quebec, Canada, and on the inland waterways of the U.S. and the entrance channels to U.S. coastal ports; this foreign traffic is not subject to economic regulation by the Interstate Commerce Commission.

All totals of both columns and rows, all averages, and all percentages are based on figures before rounding to thousands. Hence, slight differences appear between the totals shown in the sum of the rounded figures in columns and rows, in the percentages, and in the average hauls when compared with the quotients derived by dividing the ton-miles by the rounded or unrounded tons shown in either this section or in Section 1.

INTRODUCTION

IX

COMMODITY CLASSIFICATION FOR DOMESTIC WATERBORNE COMMERCE

NOTE: The commodity descriptions used in the statistical tables in this publication are abbreviated to conserve printing space of the following commodities:

Code No.	Item Name	Code No.	Item Name
Group 01-Farm Products			
0101	Cotton, raw	2034	Vegetables and preparations, canned and otherwise prepared and preserved
0102	Barley and rye	2039	Fruits, and fruit and vegetable juices, canned and otherwise prepared or preserved
0103	Corn	2041	Wheat flour and semolina
0104	Oats	2042	Animal feeds
0105	Rice	2049	Grain mill products, not elsewhere classified
0106	Sorghum Grains	2061	Sugar
0107	Wheat	2062	Molasses
0111	Soybeans	2081	Alcoholic beverages
0112	Flaxseed	2091	Vegetable oils, all grades; margarine and shortening
0119	Oilseeds, not elsewhere classified	2092	Animal oils and fats, not elsewhere classified, including marine
0121	Tobacco, leaf	2094	Groceries
0122	Hay and Fodder	2095	Ice
0129	Field crops, not elsewhere classified	2099	Miscellaneous food products
0131	Fresh fruits	Group 21-Tobacco Products	
0132	Bananas and plantains	2111	Tobacco manufactures
0133	Coffee, green and roasted (including instant)	Group 22-Basic Textiles	
0134	Cocoa beans	2211	Basic textile products, except textile fibers
0141	Fresh and frozen vegetables	2212	Textile fibers not elsewhere classified
0151	Live animals (livestock) except zoo animals, cats, dogs, etc.	Group 23-Apparel and Other Finished Textile Products Including Knit	
0161	Animals and animal products, not elsewhere classified	2311	Apparel and other finished textile products, including knit
0191	Miscellaneous farm products	Group 24-Lumber and Wood Products Except Furniture	
Group 08-Forest Products			
0841	Crude rubber and allied gums	2411	Logs
0861	Forest products, not elsewhere classified	2412	Rafted logs
Group 09-Fresh Fish and Other Marine Products			
0911	Fresh fish, except shellfish	2413	Fuel wood, charcoal, and wastes
0912	Shellfish, except prepared or preserved	2414	Timber, posts, poles, piling, and other wood in the rough
0913	Menhaden	2415	Pulpwood, log
0931	Marine shells, unmanufactured	2416	Wood chips, staves, moldings, and excelsior
Group 10-Metallic Ores			
1011	Iron ore and concentrates	2421	Lumber
1021	Copper ore and concentrates	2431	Veneer, plywood, and other worked wood
1051	Bauxite and other aluminum ores and concentrates	2491	Wood manufactures, not elsewhere classified
1061	Manganese ores and concentrates	Group 25-Furniture and Fixtures	
1091	Nonferrous metal ores and concentrates, not elsewhere classified	2511	Furniture and fixtures
Group 11-Coal			
1121	Coal and lignite	Group 26-Pulp, Paper and Allied Products	
Group 13-Crude Petroleum			
1311	Crude petroleum	2611	Pulp
Group 14-Nonmetallic Minerals, Except Fuels			
1411	Limestone flux and calcareous stone	2621	Standard newsprint paper
1412	Building stone, unworked	2631	Paper and paperboard
1442	Sand, gravel and crushed rock	2691	Pulp, paper and paperboard products, not elsewhere classified
1451	Clay, ceramic and refractory materials	Group 27-Printed Matter	
1471	Phosphate rock	2711	Printed matter
1479	Natural fertilizer materials, not elsewhere classified	Group 28-Chemicals and Allied Products	
1491	Salt	2810	Sodium hydroxide (caustic soda)
1492	Sulphur, dry	2811	Crude products from coal tar, petroleum, and natural gas, except benzene and toluene
1493	Sulphur, liquid	2812	Dyes, organic pigment, dyeing and tanning materials
1494	Gypsum, crude and plasters	2813	Alcohols
1499	Nonmetallic minerals, except fuels, not elsewhere classified	2816	Radioactive and associated materials, including wastes
Group 19-Ordnance and Accessories			
1911	Ordnance and accessories	2817	Benzene and toluene, crude and commercially pure
Group 20-Food and Kindred Products			
2011	Meat, fresh, chilled, or frozen	2818	Sulphuric acid
2012	Meat and meat products prepared or preserved, including canned meat products	2819	Basic chemicals and basic chemical products, not elsewhere classified
2014	Tallow, animal fats and oils	2821	Plastic materials, regenerated cellulose and synthetic resins, including film, sheeting, and laminates
2015	Animal by-products, not elsewhere classified	2822	Synthetic rubber
2021	Dairy products, except dried milk and cream	2823	Synthetic (man-made) fiber
2022	Dried milk and cream	2831	Drugs (biological products, medicinal chemicals, botanical products and pharmaceutical preparations)
2031	Fish and fish products, including shellfish, prepared or preserved	2841	Soaps, detergents, and cleaning preparations; perfumes, cosmetics, and other toilet preparations
		2851	Paints, varnishes, lacquers, enamels, and allied products
		2861	Cum and wood chemicals
		2871	Nitrogenous chemical fertilizers, except mixtures
		2872	Potassic chemical fertilizers, except mixtures
		2873	Phosphatic chemical fertilizers, except mixtures

X

Waterborne Commerce of the United States, 1988

Code No.	Item Name	Code No.	Item Name
Group 28-Chemicals and Allied Products			
2876	Insecticides, fungicides, pesticides, and disinfectants		Group 34-Fabricated Metal Products, Except Ordnance, Machinery and Transportation Equipment
2879	Fertilizers and fertilizer materials, not elsewhere classified	3411	Fabricated metal products, except ordnance, machinery, and transportation equipment
2891	Miscellaneous chemical products	Group 35-Machinery, Except Electrical	
	Group 29-Petroleum and Coal Products	3511	Machinery, except electrical
2911	Gasoline, including natural gasoline	Group 36-Electrical Machinery, Equipment and Supplies	
2912	Jet fuel	3611	Electrical machinery equipment and supplies
2913	Kerosene	Group 37-Transportation Equipment	
2914	Distillate fuel oil	3711	Motor vehicles, parts and equipment
2915	Residual fuel oil	3721	Aircraft and parts
2916	Lubricating oils and greases	3731	Ships and boats
2917	Naphtha, mineral spirits, solvents, not elsewhere classified	3791	Miscellaneous transportation equipment
2918	Asphalt, tar, and pitches	Group 38-Instruments, Photographic and Optical Goods, Watches and Clocks	
2920	Coke, including petroleum coke	3811	Instruments, photographic and optical goods, watches and clocks
2921	Liquefied petroleum gases, coal gases, natural gas, and natural gas liquids	Group 39-Miscellaneous Products of Manufacturing	
2951	Asphalt building materials	3911	Miscellaneous products of manufacturing
2991	Petroleum and coal products, not elsewhere classified	Group 40-Waste and Scrap Materials	
	Group 30-Rubber and Miscellaneous Plastic Products	4011	Iron and steel scrap
3011	Rubber and miscellaneous plastic products	4012	Nonferrous metal scrap
	Group 31-Leather and Leather Products	4022	Textile waste, scrap, and sweepings
3111	Leather and leather products	4024	Paper waste and scrap
	Group 32-Stone, Clay, Glass and Concrete Products	4029	Waste and scrap, not elsewhere classified
3211	Glass and glass products	Group 41-Special Items	
3241	Building cement	4111	Water
3251	Structural clay products, including refractories	4112	Miscellaneous shipments not identifiable by commodity
3271	Lime	4113	LCL freight
3281	Cut stone and stone products	4118	Materials used in waterway improvement, Government materials
3291	Miscellaneous nonmetallic mineral products	4119	Empty containers
	Group 33-Primary Metal Products	9999*	Department of Defense controlled cargo and special category items
3311	Pig iron	*Cargoes exported on Department of Defense controlled vessels (other than goods for the use of U.S. Armed Forces abroad) and non-Department of Defense shipments of military component items (abbreviated SCI) for which commodity detail is not furnished to the Corps of Engineers.	
3312	Slag		
3313	Coke (coal and petroleum), petroleum pitches and asphalts, and naphtha and solvents		
3314	Iron and steel ingots, and other primary forms, including blanks for tube and pipe, and sponge iron		
3315	Iron and steel bars, rods, angles, shapes and sections, including sheet piling		
3316	Iron and steel plates and sheets		
3317	Iron and steel pipe and tube		
3318	Ferroalloys		
3319	Primary iron and steel products, not elsewhere classified including castings in the rough		
3321	Nonferrous metals primary smelter product, basic shapes, wire castings and forgings, except copper, lead, zinc and aluminum		
3322	Copper and copper alloys, whether or not refined, unworked		
3323	Lead and zinc including alloys, unworked		
3324	Aluminum and aluminum alloys, unworked		

SECTION 1

NATIONAL SUMMARIES

SUMMARY

3

PRINCIPAL COMMODITIES IN WATERBORNE COMMERCE Millions of Tons

	Total Commerce	Foreign Commerce	Domestic	
	Foreign & Domestic		Commerce	Commerce
	<u>1988</u>	<u>% Change*</u>	<u>1988</u>	<u>% Change*</u>
Chemicals	148.0	+ 6.9	76.0	+11.4
Coal and coke	320.1	+ 9.1	116.5	+19.1
Grains	157.0	+16.2	106.1	+19.2
Iron Ore, iron and steel	126.0	+14.4	54.8	+ 8.5
Logs and lumber	58.6	+ 6.2	38.2	+17.9
Petroleum and products	859.9	+ 4.2	379.5	+ 8.3
Sand, gravel and stone	106.6	+ 4.9	10.9	+12.4
All other commodities	311.8	+ 1.2	194.2	+ 0.6
TOTAL TONNAGE	2088.0**	+ 6.1	976.2	+ 9.6
				1111.8** + 3.3

Commodity codes included in each group are given below:

Chemicals - 1471, 1479, 2810-2813, 2816-2819, 2821, 2831, 2841, 2851, 2861, 2871-2873, 2876, 2879 & 2891.

Coal and Coke - 1121, 3313, & 2910.

Grains - 0102-0107.

Iron Ore, Iron and Steel - 1011, 3311, 3314-3317, 3319 & 4011.

Logs and Lumber - 0816, 2411-2416, 2421, 2431 & 2491.

Petroleum and Products - 1311, 2911-2918, 2921 & 2991.

Sand, Gravel and Stone - 1411, 1412, 1442 & 3281.

All other commodities - All other codes.

* % Change from 1987

** All-time high.

Waterborne Commerce of the United States, 1988

TOTAL UNITED STATES WATERBORNE TRAFFIC
Millions of Tons

<u>CATEGORY</u>	<u>1987</u>	<u>1988</u>	<u>% Change*</u>
GRAND TOTAL Tons	1967.5	2088.0**	+ 6.1
TOTAL Domestic Tons	1076.5	1111.8**	+ 3.3
Coastwise	323.5	325.2	+ 0.5
Lakewise	96.5	109.7	+13.7
Internal	569.8	588.1**	+ 3.2
Local	82.0	83.7	+ 2.1
Intraterritory	4.7	5.1	+ 8.5
TOTAL Foreign Tons	891.0	976.2	+ 9.6
Imports	507.7	549.9	+ 8.3
Exports	383.3	426.3 **	+11.2

SUMMARY OF BARGE TRAFFIC
Millions of Tons

<u>TRAFFIC</u>	<u>1987</u>	<u>1988</u>	<u>% Change*</u>
Coastwise	87.5	95.3	+ 8.9
Lakewise	4.0	4.5	+12.5
Internal	542.8	563.9	+ 3.9
Local	74.5	72.2	- 3.1
Intraterritory	4.6	5.0	+ 8.7
TOTAL	713.4	740.9**	+ 3.9

* % change from 1987

** All-time high

NATIONAL SUMMARIES

TABLE 1--NET TOTAL WATERBORNE COMMERCE OF THE UNITED STATES, CALENDAR YEARS 1947-1987
(IN TONS OF 2,000 POUNDS)

YEAR	FOREIGN AND DOMESTIC TOTAL	FOREIGN TOTAL	DOMESTIC TOTAL
1947	766,816,730	188,256,115	578,560,615
1948	793,200,465	162,971,591	630,228,874
1949	740,720,971	165,358,281	575,382,690
1950	820,583,571	169,224,695	651,358,876
1951	924,128,411	232,055,832	692,072,579
1952	887,721,984	227,324,277	660,395,707
1953	923,547,693	217,396,489	706,151,204
1954	867,640,207	213,844,290	653,795,917
1955	1,016,135,785	271,102,932	745,032,853
1956	1,092,912,924	326,689,789	766,223,135
1957	1,151,401,434	358,539,550	772,861,884
1958	1,094,515,776	368,850,798	695,664,978
1959	1,052,402,192	325,669,939	726,732,163
1960	1,099,650,431	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	1,173,768,964	365,658,999	788,197,965
1964	1,235,093,573	421,925,133	816,168,440
1965	1,272,896,243	443,726,809	829,169,634
1966	1,354,116,079	471,391,083	862,724,995
1967	1,336,606,078	465,972,258	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	565,945,584	946,598,106
1972	1,616,792,605	629,980,844	966,811,761
1973	1,761,552,010	767,393,903	994,158,107
1974	1,748,788,544	764,086,905	982,699,639
1975	1,695,034,365	748,707,407	946,326,959
1976	1,855,006,319	855,963,909	979,092,910
1977	1,908,223,613	935,256,613	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	1,076,479,216
1988	2,087,933,484	976,220,985	1,111,772,499

TABLE 1A--FOREIGN COMMERCE OF THE UNITED STATES, CALENDAR YEARS 1947-1987

(IN TONS OF 2,000 POUNDS)

YEAR	IMPORTS				EXPORTS			
	TOTAL	COASTAL PORTS		GREAT LAKES PORTS	TOTAL	COASTAL PORTS	GREAT LAKES PORTS	
		CANADIAN	OVERSEAS				CANADIAN	OVERSEAS
1947	62,162,159	57,365,892	4,773,223	23,054	126,093,946	101,995,508	24,054,718	43,720
1948	72,297,097	68,077,704	4,172,628	46,765	90,674,494	55,403,800	25,227,286	43,406
1949	81,992,016	77,153,266	4,774,784	63,966	83,366,265	65,739,775	17,552,872	73,618
1950	101,981,918	96,299,288	5,555,427	127,203	67,242,777	43,640,100	23,498,355	84,674
1951	108,747,297	101,812,761	6,827,294	107,234	123,308,535	97,602,937	25,573,518	103,667
1952	115,961,025	108,674,301	7,152,087	134,637	111,365,252	85,072,313	26,129,081	114,679
1953	127,981,407	120,594,892	7,056,629	329,886	69,415,082	63,780,286	25,415,354	160,663
1954	129,423,839	123,503,218	5,748,844	171,707	84,420,461	65,243,997	18,928,696	209,587
1955	152,956,947	140,276,212	8,434,125	246,610	118,145,965	95,404,261	22,399,779	286,371
1956	174,214,350	163,348,893	10,687,526	292,624	152,475,429	126,408,189	25,710,863	281,334
1957	186,351,843	176,235,956	10,687,526	239,381	172,187,707	146,689,737	24,983,574	266,273
1958	189,484,551	181,460,343	7,656,597	347,618	119,366,247	101,554,247	17,422,825	360,157
1959	213,485,323	198,607,603	13,794,435	1,083,285	112,184,616	91,629,487	17,700,427	2,833,118
1960	211,316,497	198,465,747	11,973,635	877,116	127,960,778	104,810,460	17,168,514	3,981,809
1961	200,165,652	188,179,226	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	101,492,226	20,484,581	4,932,260
1963	227,375,671	209,369,531	16,495,342	1,510,798	156,283,328	129,781,571	24,455,139	4,046,618
1964	244,585,715	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	244,674,087	21,059,701	3,901,031	173,891,990	142,121,011	25,692,770	6,076,209
1966	283,847,300	257,173,478	22,585,271	4,038,551	187,543,783	155,759,371	24,905,662	6,876,750
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	279,826,933	25,656,847	6,450,551	197,013,671	160,579,691	24,444,154	5,989,626
1969	320,295,094	295,647,991	19,770,247	4,874,864	201,019,278	160,944,254	25,235,730	6,839,294
1970	339,339,772	312,933,583	21,820,193	4,585,986	201,629,361	205,697,712	29,146,465	6,185,184
1971	359,745,840	333,776,713	19,104,708	6,684,419	206,239,744	172,758,620	24,757,317	8,723,620
1972	377,565,612	372,417,770	18,861,084	6,286,758	232,415,253	197,430,445	25,352,496	9,632,291
1973	490,086,015	461,828,145	22,986,904	5,270,968	277,305,888	238,807,487	28,435,708	10,062,713
1974	497,282,811	473,940,012	19,027,370	4,515,423	266,808,094	238,666,754	23,342,970	4,176,370
1975	476,572,516	455,117,218	18,121,866	3,333,432	272,130,891	236,707,996	28,707,321	6,719,574
1976	570,310,893	539,074,049	4,799,339	285,645,016	250,632,666	28,050,680	6,961,668	-----
1977	658,136,893	625,308,679	25,416,264	7,411,950	277,119,920	240,764,157	27,741,857	8,593,908
1978	633,186,853	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	607,898,520	19,450,918	5,646,213	360,449,306	311,786,293	37,964,841	10,498,172
1980	517,521,121	502,005,666	13,414,205	2,101,050	403,882,879	358,805,983	37,216,588	7,360,310
1981	477,191,504	457,467,479	16,794,705	2,929,320	469,910,646	366,424,418	36,976,771	6,509,457
1982	416,621,454	402,511,218	11,541,473	2,556,783	403,109,549	366,825,117	29,701,591	6,582,741
1983	387,847,325	371,773,135	13,080,463	2,093,730	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	393,577,007	11,916,969	5,193,374	361,635,933	327,425,824	27,727,141	6,482,968
1986	486,073,494	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	10,040,315	3,835,777	383,273,771	351,228,492	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	-----

* DEPARTMENT OF DEFENSE CONTROLLED CARGO AND SPECIAL CATEGORY COMMODITIES FOR WHICH BREAKDOWN BY CANADIAN AND OVERSEAS IS NOT AVAILABLE PRIOR TO 1960.

Waterborne Commerce of the United States, 1988

TABLE 1B--DOMESTIC COMMERCE OF THE UNITED STATES, CALENDAR YEAR 1947-1987

(IN TONS OF 2,000 POUNDS)

YEAR	TOTAL	COASTWISE	LAKENWISE	INTERNAL	INTRAPORT	LOCAL	INTRATERRITORY
1947	578,560,615	153,098,204	163,180,337	149,614,401	57,410,575	55,257,098	*
1948	630,228,874	174,080,850	172,490,721	169,697,866	58,944,696	55,014,741	*
1949	575,362,690	161,430,662	145,591,636	165,702,829	48,323,356	54,314,207	*
1950	651,358,874	182,543,761	169,880,810	190,788,910	51,703,560	55,202,362	1,239,473
1951	692,072,575	186,759,124	178,463,212	213,404,964	50,952,725	61,075,892	1,416,692
1952	660,595,707	164,207,006	154,112,031	216,644,384	49,182,353	54,790,101	1,459,832
1953	706,151,204	188,757,641	188,621,385	224,957,448	47,902,038	54,659,693	1,252,909
1954	655,795,917	187,239,630	145,364,309	217,061,457	48,040,811	54,678,958	1,410,952
1955	705,032,853	195,717,548	184,808,588	249,693,296	52,900,516	59,962,096	1,950,807
1956	766,223,135	205,910,228	173,990,656	269,734,055	53,064,701	61,298,859	2,224,636
1957	772,861,884	196,418,553	182,150,309	281,065,531	50,188,201	60,636,183	2,403,047
1958	695,664,978	194,050,174	132,286,549	261,068,842	48,882,176	58,542,798	2,832,432
1959	726,732,163	205,509,011	131,220,300	282,268,792	49,683,204	57,063,392	*+987,384
1960	760,573,156	209,196,823	155,109,237	291,056,655	49,471,054	54,722,392	1,016,995
1961	732,825,364	206,899,372	156,841,146	294,052,123	43,197,871	50,731,199	1,103,648
1962	770,805,345	215,460,882	155,743,781	316,061,877	47,918,437	54,358,792	1,261,576
1963	788,107,965	213,853,293	141,741,152	331,902,484	45,575,094	53,405,530	1,630,412
1964	816,168,440	205,687,985	151,404,616	357,916,216	43,077,165	56,572,257	1,560,199
1965	829,169,434	201,508,107	153,695,242	369,615,461	***	102,865,022	1,485,602
1966	862,724,995	208,374,766	164,036,995	389,851,631	***	99,214,579	1,246,624
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	180,843,835	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	946,598,108	242,916,056	140,954,956	479,217,765	***	81,252,652	2,256,677
1972	988,811,761	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	186,067,270	511,021,978	***	69,197,576	4,054,691
1975	916,326,959	231,932,437	129,331,161	503,932,258	***	78,279,224	2,851,879
1976	979,042,910	236,278,524	132,112,775	523,972,573	***	83,731,092	2,947,846
1977	972,966,806	240,083,356	109,079,945	528,704,656	***	83,444,472	3,654,395
1978	1,075,291,865	305,342,024	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	115,416,165	520,668,720	***	93,249,873	3,130,051
1982	957,009,596	311,058,264	72,084,966	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	3,405,285
1985	1,014,111,539	309,801,505	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	3,958,962
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	325,176,059	109,664,111	588,118,666	***	83,689,494	5,123,369

* INCLUDED IN OTHER TYPES OF DOMESTIC TRAFFIC.

** BEGINNING WITH 1959 EXCLUDES TRAFFIC WITHIN THE STATES OF ALASKA AND HAWAII. SUCH TRAFFIC IS INCLUDED IN OTHER DOMESTIC TRAFFIC CATEGORIES IN ACCORDANCE WITH DEFINITIONS APPLICABLE TO CONTINENTAL UNITED STATES.

*** INCLUDED IN LOCAL.

NATIONAL SUMMARIES

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TABLE 2--SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE, BY TYPE OF TRAFFIC AND COMMODITY, CALENDAR YEAR 1968
(NET TRAFFIC IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC					
		IMPORTS	EXPORTS	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL	
TOTAL, ALL COMMODITIES-----	2,087,993,484	549,897,111	426,323,874	1,111,772,499	325,176,859	109,664,111	588,118,666	83,689,494	5,123,369
FARM PRODUCTS									
0101 COTTON, RAW-----	1,488,646	1,240	1,484,722	2,684	284	-----	2,400	-----	-----
0102 BARLEY AND RYE-----	3,169,073	81,677	2,383,295	704,101	224	-----	703,877	-----	-----
0103 CORN-----	81,649,173	41,506	49,540,037	32,067,630	192,675	-----	31,864,461	10,494	-----
0104 OATS-----	892,593	510,626	5,988	375,979	1,825	-----	369,855	4,299	-----
0105 RICE-----	3,687,000	136,678	2,461,712	1,086,610	155,745	-----	931,565	1,300	-----
0106 SORGHUM GRAINS-----	8,474,307	-----	6,264,059	2,209,048	9,610	-----	2,189,128	10,710	-----
0107 MEAT-----	59,114,623	107,244	44,562,575	14,405,004	408,823	729,839	13,273,348	32,994	-----
0111 SOYBEANS-----	35,619,553	80	19,438,538	16,180,935	304	-----	16,157,184	23,447	-----
0112 FLAXSEED-----	29	-----	-----	29	29	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	310,165	27,823	246,802	35,540	4,412	-----	31,128	-----	-----
0121 TOBACCO, LEAF-----	446,712	177,745	267,259	1,708	1,708	-----	-----	-----	-----
0122 HAY AND FODDER-----	53,259	-----	-----	53,259	10,011	-----	43,248	-----	-----
0129 FIELD CROPS, NEC-----	196,945	77,780	92,159	27,006	3,339	-----	23,666	-----	1
0131 FRESH FRUITS-----	1,919,298	151,035	1,434,284	333,979	333,550	429	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	3,490,586	3,465,265	9,090	16,233	16,233	-----	-----	-----	-----
0133 COFFEE-----	1,125,489	990,126	103,866	31,477	31,177	-----	300	-----	-----
0134 COCOA BEANS-----	270,573	265,173	1,771	3,629	3,629	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	1,354,330	197,630	914,868	261,838	217,648	1,469	22,721	-----	-----
0151 LIVE ANIMALS-----	93,314	679	13,566	79,069	78,882	7	180	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	289,740	118,801	156,932	14,007	12,352	-----	1,455	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	113,239	45,011	29,994	38,234	35,351	23	2,855	-----	5
FOREST PRODUCTS									
0841 CRUDE RUBBER AND ALLIED GUMS-----	1,268,183	1,232,760	33,212	2,211	2,211	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	292,932	142,512	39,866	110,554	18,865	-----	91,689	-----	-----
FRESH FISH & OTHER MARINE PRODUCTS									
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,584,114	470,760	365,788	747,566	104,718	112	639,455	1,918	1,363
0912 SHELLFISH, EXCEPT PREPARED-----	842,869	266,691	74,367	501,791	7,105	-----	483,085	11,601	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	3,092,792	5,187	9,980	3,079,625	32,685	-----	3,043,490	3,450	-----
METALLIC ORES									
1011 IRON ORE AND CONCENTRATES-----	67,255,894	20,894,501	5,536,061	60,825,332	263	58,078,765	2,244,458	501,846	-----
1021 COPPER ORE AND CONCENTRATES-----	810,011	2,173	734,359	73,479	-----	73,479	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	18,054,727	16,559,007	1,062,127	433,593	-----	-----	433,593	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	989,689	505,649	5,966	478,074	-----	-----	477,523	551	-----
1091 NONFERROUS ORES, CONCENTRATES-----	3,355,326	2,053,173	696,015	606,138	3,335	-----	593,187	9,616	-----
COAL									
1121 COAL AND LIGNITE-----	292,238,949	826,000	94,631,696	196,781,253	12,579,268	17,692,646	161,693,916	4,815,423	-----
CRUDE PETROLEUM									
1311 CRUDE PETROLEUM-----	451,917,936	252,524,052	160,558	199,233,326	150,994,868	495	44,902,490	3,245,473	-----
NONMETALLIC MINERALS, EXCEPT FUELS									
1411 LIMESTONE-----	37,073,728	660,379	3,275,977	33,137,372	8,476	23,963,477	9,125,669	39,750	-----
1412 BUILDING STONE, UNWORKED-----	68,596	-----	63,653	4,945	4,945	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	68,893,500	4,840,047	1,456,051	62,595,654	3,113,314	630,621	50,456,999	8,387,120	7,800
1451 CLAY-----	6,101,901	2,122,119	2,901,500	1,076,282	30,995	18,425	954,094	74,768	-----
1471 PHOSPHATE ROCK-----	16,200,863	743,919	9,721,686	5,735,058	5,716,445	-----	18,613	-----	-----
1479 NATURAL FERTILIZER MATS, NEC-----	43,651	39,356	-----	4,295	150	-----	3,045	1,100	-----
1491 SALT-----	5,924,573	5,110,521	706,052	* 19,067	*	-----	*	*	*
1492 SULPHUR, DRY-----	1,267,619	-----	1,248,552	-----	-----	-----	-----	-----	-----
1493 SULPHUR, LIQUID-----	6,960,050	-----	-----	6,960,050	4,013,702	-----	2,837,602	108,656	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	10,095,968	9,255,781	140,557	1,319,630	11,570	987,209	319,261	1,590	-----
1499 NONMETALLIC MINERALS, NEC-----	8,072,988	2,105,447	631,806	5,335,735	255,311	589,403	4,413,987	77,034	-----
ORDNANCE & ACCESSORIES									
1911 ORDNANCE AND ACCESSORIES-----	28,725	22,387	5,769	569	569	-----	-----	-----	-----
FOOD & KINDRED PRODUCTS									
2011 MEAT, FRESH, CHILLED, FROZEN-----	2,063,280	844,833	899,514	318,933	318,059	874	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	398,976	296,806	32,635	69,295	69,295	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	1,489,663	-----	1,334,619	155,044	14,592	-----	97,259	43,193	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	714,389	11,654	687,555	15,180	2,377	-----	12,803	-----	-----
2021 DAIRY PRODUCTS, NEC-----	246,123	156,676	41,686	49,761	49,211	540	-----	-----	10
2022 DRIED MILK AND CREAM-----	299,922	31,941	251,121	156,860	15,446	184	1,230	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	611,497	347,024	89,569	374,904	354,372	-----	20,532	-----	-----
2034 VEGETABLES AND PREP., NEC-----	1,237,806	749,735	241,656	246,413	222,831	919	12,663	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	3,106,202	2,149,230	522,755	434,253	433,665	531	-----	-----	57
2041 WHEAT FLOUR AND BREADINA-----	1,246,303	-----	1,215,496	30,807	28,431	-----	2,376	-----	-----
2042 ANIMAL FEEDS-----	22,477,580	369,756	11,988,669	10,118,955	238,075	4,863	9,784,645	91,294	78
2049 GRAIN MILL PRODUCTS, NEC-----	11,553,368	289,385	6,632,376	4,631,607	79,152	-----	4,552,437	-----	18
2061 SUGAR-----	3,463,085	1,310,656	213,117	1,939,313	1,347,519	-----	591,794	-----	-----
2062 MOLASSES-----	2,149,620	1,142,803	284,055	722,762	222,109	-----	377,148	123,505	-----
2081 ALCOHOLIC BEVERAGES-----	2,895,168	2,234,102	309,747	349,317	348,579	-----	727	-----	11
2091 VEGETABLE OILS, MARG, SHORT-----	5,121,264	1,519,000	1,759,359	1,842,905	92,320	-----	1,532,832	217,745	8
2092 ANIMAL OILS AND FATS, NEC-----	108,417	12,528	73,912	21,977	1,466	-----	14,787	5,722	-----
2094 GROCERIES-----	466,368	-----	-----	488,386	471,922	272	11,291	331	4,572
2095 ICE-----	383,247	282,300	1,003	99,944	298	128	98,739	779	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	3,994,524	1,004,158	1,416,398	1,573,968	1,361,639	2,328	207,671	1,162	1,166

* SALT INCLUDED IN NONMETALLIC MINERALS, NEC, TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY OPERATIONS.

Waterborne Commerce of the United States, 1988

TABLE 2--SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE, BY TYPE OF TRAFFIC AND COMMODITY, CALENDAR YEAR 1988--CONTINUED
(NET TRAFFIC IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC					
		IMPORTS	EXPORTS	TOTAL	COASTWISE	LAKENWISE	INTERNAL	LOCAL	INTRA-TERRITORY
TOBACCO PRODUCTS									
2111 TOBACCO MANUFACTURES-----	260,854	6,384	234,168	20,302	20,302	-----	-----	-----	-----
BASIC TEXTILES									
2211 BASIC TEXTILE PRODUCTS-----	1,871,077	1,180,050	624,561	66,466	48,070	-----	18,295	100	1
2212 TEXTILE FIBERS, NEC-----	99,265	43,198	45,708	10,379	7,915	-----	2,464	-----	-----
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT									
2311 APPAREL-----	1,546,848	1,082,532	61,409	382,907	382,908	2	-----	-----	7
LUMBER & WOOD PRODS., EXC. FURNITURE									
2411 LOGS-----	21,952,690	223,332	21,087,131	652,227	1,207	22	649,498	1,500	-----
2412 RAFTED LOGS-----	9,905,656	-----	-----	9,905,656	12,305	-----	6,672,614	3,220,737	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	497,402	274,024	29,476	193,902	13,011	-----	179,591	1,300	-----
2414 TIMBER, POSTS, POLES, PILING-----	78,955	5,821	30,095	42,039	14,581	-----	25,559	1,899	-----
2415 PULPWOOD, LOG-----	4,032,299	86,417	504	3,945,378	13,936	-----	3,929,692	1,750	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	11,599,551	749,463	6,917,236	3,932,850	115	-----	3,917,680	15,055	-----
2421 LUMBER-----	7,303,801	2,176,776	3,668,877	1,255,148	1,089,426	28,506	139,574	250	392
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,921,587	1,093,348	704,344	123,895	75,681	-----	48,204	-----	10
2491 WOOD MANUFACTURES, NEC-----	1,023,127	352,921	439,571	230,635	224,867	693	4,810	265	-----
FURNITURE & FIXTURES									
2511 FURNITURE AND FIXTURES-----	1,182,487	900,772	80,631	201,084	198,405	1,161	1,116	-----	402
PULP, PAPER & ALLIED PRODUCTS									
2611 PULP-----	6,316,667	805,711	5,033,852	477,104	63,388	1,523	412,193	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	2,726,831	2,029,093	568,990	128,748	10,412	67,205	42,131	-----	-----
2631 PAPER AND PAPERBOARD-----	6,249,865	2,032,319	3,684,436	533,108	146,454	45,578	339,076	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	1,782,331	176,262	194,398	1,411,671	431,000	6,603	969,603	4,432	33
PRINTED MATTER									
2711 PRINTED MATTER-----	307,270	199,123	87,082	21,065	21,062	-----	3	-----	-----
CHEMICALS & ALLIED PRODUCTS									
2810 SODIUM HYDROXIDE-----	5,978,436	-----	-----	5,978,436	1,547,532	-----	4,149,343	281,561	-----
2811 CRUDE TAR, OILY GAS PRODUCTS-----	2,939,826	630,033	543,638	1,766,155	81,240	41,048	1,450,218	186,034	5,615
2812 DYES, PIGMENT, TANNING MATS-----	29,419	-----	28,614	805	405	-----	400	-----	-----
2813 ALCOHOLS-----	9,362,219	2,524,744	914,059	5,923,416	679,155	-----	4,415,096	829,165	-----
2816 RADIODIATIVE MATERIALS, WASTES-----	22,757	14,831	5,366	2,558	333	-----	2,225	-----	-----
2817 BENZENE AND TOLUENE-----	7,748,143	653,176	436,714	6,658,253	714,980	-----	4,485,232	1,440,312	17,729
2818 SULPHURIC ACID-----	2,070,239	-----	-----	2,070,239	119,895	-----	1,549,921	400,422	1
2819 BASIC CHEMICALS AND PROD, NEC-----	60,997,400	17,953,775	15,398,090	27,645,535	3,899,226	232,424	21,063,888	2,449,996	3
2821 PLASTIC MATERIALS-----	4,371,855	763,009	3,503,941	104,905	95,104	-----	9,469	331	1
2822 SYNTHETIC RUBBER-----	600,558	15,059	530,701	54,398	4,401	1,096	48,301	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	381,876	78,787	300,547	2,544	2,544	-----	-----	-----	-----
2831 DRUGS-----	248,760	113,033	80,387	55,340	54,402	-----	831	-----	27
2841 SOAP-----	725,924	159,884	419,666	156,272	150,031	-----	47,739	1,322	180
2851 PAINTS-----	566,176	453,424	80,262	32,490	32,421	-----	67	-----	-----
2861 GUM AND WOOD CHEMICALS-----	840,120	27,397	212,277	608,446	116,272	3,589	443,660	44,825	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	10,442,515	1,928,020	2,719,895	5,794,600	752,802	11,732	5,002,429	27,637	-----
2872 POTASSIUM CHEM FERTILIZERS-----	6,583,219	2,470,497	2,700,295	1,412,927	106,674	64	1,294,432	9,257	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	2,167,937	116,468	1,356,882	694,587	129,964	7,684	553,799	3,140	-----
2876 INSECTICIDES, DISINFECTANTS-----	297,457	102,093	187,343	6,021	7,748	-----	273	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	13,904,657	121,999	7,107,591	6,675,067	1,411,382	793	5,235,783	27,107	2
2891 MISCELLANEOUS CHEMICAL PROD-----	2,476,242	630,654	1,136,175	711,413	362,312	-----	331,013	18,088	-----
PETROLEUM & COAL PRODUCTS									
2911 GASOLINE-----	108,340,436	22,247,104	1,087,194	85,012,138	44,176,250	650,824	30,856,066	8,935,459	493,539
2912 JET FUEL-----	16,201,685	3,736,588	1,451,404	13,013,893	6,884,193	154,023	4,948,877	583,427	443,373
2913 KEROSENE-----	2,021,929	102,778	67,669	1,851,482	749,754	7,747	830,145	247,019	16,817
2914 DISTILLATE FUEL OIL-----	78,195,305	17,882,631	3,870,283	56,442,391	24,523,204	437,402	19,882,291	11,026,147	851,347
2915 RESIDUAL FUEL OIL-----	152,524,212	47,966,059	12,661,453	91,896,700	32,233,496	464,951	35,435,960	21,335,336	2,426,957
2916 LUBRICATING OILS AND GREASES-----	8,222,861	185,513	2,152,159	5,865,183	2,759,172	28,025	2,757,920	340,072	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	15,130,347	5,626,425	293,666	9,216,056	1,754,192	2,800	5,278,822	1,548,350	631,892
2918 ASPHALT, TAR, AND PITCHES-----	13,273,538	2,314,747	176,942	10,781,849	3,254,919	708,454	6,158,340	660,126	-----
2920 COKE, PETROLEUM COKE-----	27,818,930	3,685,966	17,368,726	6,764,238	30,654	306,786	5,362,925	1,063,871	-----
2921 LIQUEFIED GASES-----	6,598,889	3,483,044	1,143,780	1,772,065	363,353	239	1,397,149	11,133	191
2951 ASPHALT BUILDING MATERIALS-----	52,965	-----	29,182	23,783	23,661	-----	116	-----	4
2991 PETROLEUM AND COAL PROD, NEC-----	5,451,403	63,298	107,100	5,281,045	2,013,733	-----	2,772,552	461,642	33,118
RUBBER & MISC. PLASTIC PRODUCTS									
3011 RUBBER AND MISC PLASTIC PROD-----	2,577,048	1,955,781	430,465	190,802	161,672	17,724	11,376	-----	30
LEATHER & LEATHER PRODUCTS									
3111 LEATHER AND LEATHER PRODUCTS-----	993,672	872,728	89,183	31,761	31,759	-----	-----	-----	2
STONE, CLAY, GLASS, & CONCRETE PROD.									
3211 GLASS AND GLASS PRODUCTS-----	739,232	385,203	311,079	41,950	40,527	-----	1,422	-----	1
3241 BUILDING CEMENT-----	24,197,793	13,681,685	125,049	10,391,259	1,560,716	2,473,427	6,049,891	307,190	35
3251 STRUCTURAL CLAY PRODUCTS-----	1,033,596	852,649	131,675	49,072	39,560	-----	9,512	-----	-----
3271 LIME-----	1,532,654	6,043	3,355	1,525,256	702	-----	1,522,554	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	589,115	563,595	11,426	14,289	14,289	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	1,340,211	722,563	333,505	284,143	160,534	628	120,261	2,643	77

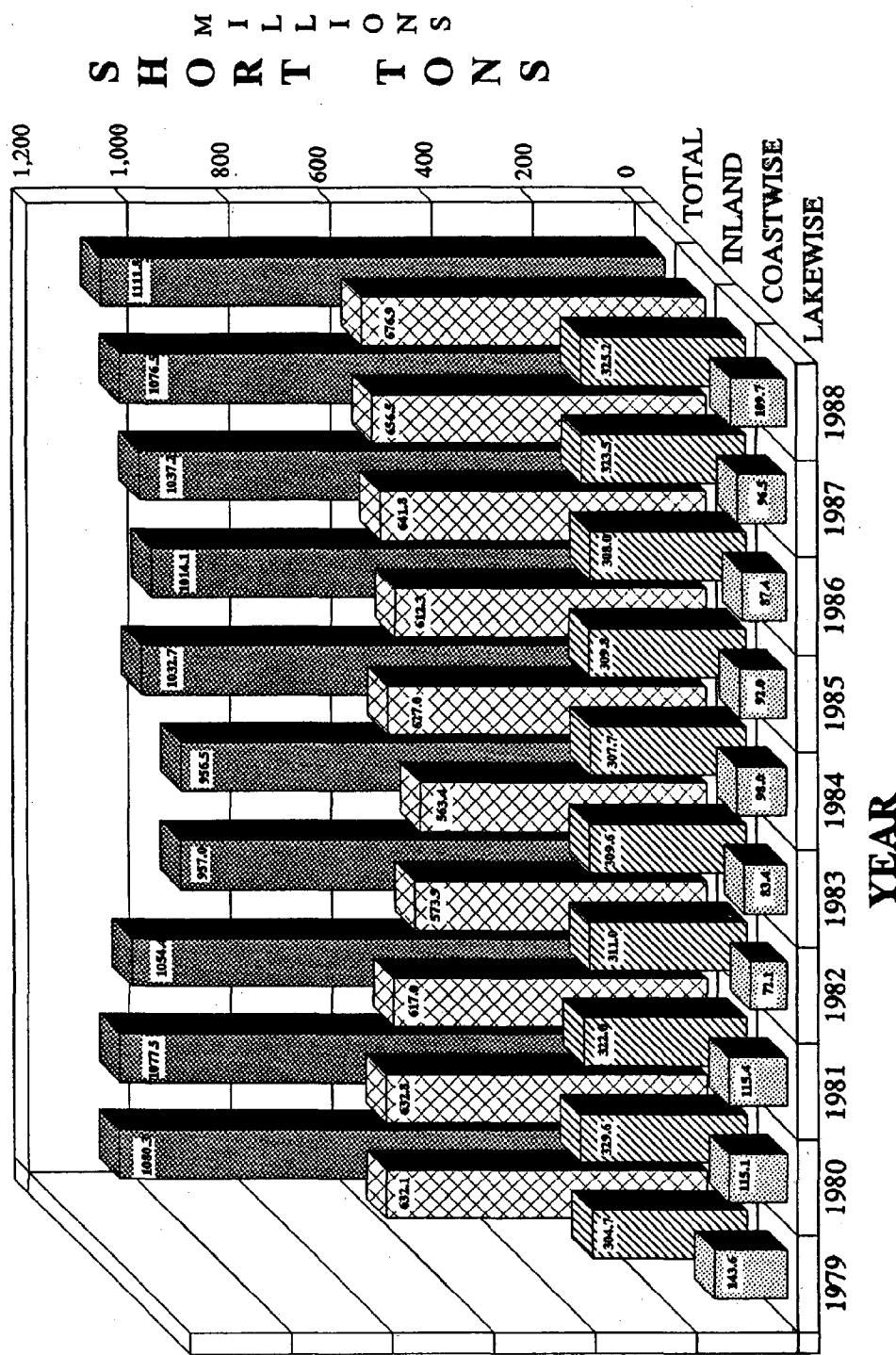
NATIONAL SUMMARIES

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TABLE 2--SUMMARY OF FOREIGN AND DOMESTIC WATERBORNE COMMERCE, BY TYPE OF TRAFFIC AND COMMODITY, CALENDAR YEAR 1988--CONTINUED
(NET TRAFFIC IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC					
		IMPORTS	EXPORTS	TOTAL	COASTWISE	LAKENWISE	INTERNAL	LOCAL	INTRATERRITORY
PRIMARY METAL PRODUCTS									
3311 PIG IRON-----	1,331,838	679,651	57,652	595,535	38	-----	593,997	1,500	-----
3312 SLAG-----	1,946,555	123,414	79	1,823,062	40,731	999,383	782,177	771	-----
3313 COKE, PET ASPHALT, SOLVENTS--	3,063	-----	-----	3,063	75	-----	2,988	-----	-----
3314 IRON AND STEEL PRIMARY FORMS--	4,795,438	2140,423	26,771	2,628,244	11,688	174,126	2,430,206	12,221	1
3315 IRON, STEEL SHAPES, EXC SHEET-	13,229,912	11,824,284	52,323	1,352,805	55,980	1,253	1,282,900	12,672	-----
3316 IRON AND STEEL PLATES, SHEETS-	1,741,761	99,377	970,672	671,512	36,804	-----	619,570	13,138	-----
3317 IRON AND STEEL PIPE AND TUBE--	4,217,842	2,765,960	219,627	1,232,255	44,170	1,319	1,166,458	20,308	-----
3318 FERROALLOYS-----	2,010,448	1,096,619	35,306	1,078,523	5,785	2,409	1,067,505	2,624	-----
3319 IRON AND STEEL PRODUCTS, NEC--	1,197,547	407,920	101,219	538,408	65,225	37,866	533,997	1,320	-----
3321 NONFERROUS METALS, NEC-----	315,644	191,517	95,926	26,201	4,733	-----	23,468	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	837,378	525,005	267,335	45,040	10,563	-----	53,677	600	-----
3323 LEAD AND ZINC, UNWORKED-----	390,375	320,794	43,363	26,221	726	-----	25,495	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-	1,111,225	557,610	531,585	22,030	15,227	-----	6,026	777	-----
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUI									
3411 FABRICATED METAL PRODUCTS-----	5,611,799	3,329,711	480,568	1,801,520	1,384,049	2,429	408,148	2,727	4,167
MACHINERY, EXCEPT ELECTRICAL									
3511 MACHINERY, EXCEPT ELECTRICAL--	6,824,903	4,045,518	1,699,143	1,080,242	288,912	1,564	702,902	12,817	74,047
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES									
3611 ELECTRICAL MACH AND EQUIP----	3,935,586	2,941,654	851,471	192,261	136,374	-----	5,595	200	92
TRANSPORTATION EQUIPMENT									
3711 MOTOR VEHICLES, PARTS, EQUIP--	8,586,123	6,506,754	1,222,392	856,977	843,302	-----	13,197	-----	478
3721 AIRCRAFT AND PARTS-----	32,962	11,935	19,567	1,060	662	-----	398	-----	-----
3731 SHIPS AND BOATS-----	148,402	50,269	73,141	24,992	20,019	-----	4,973	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-	212,732	28,293	48,245	136,194	133,418	-----	2,775	-----	1
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS									
3811 INSTR, TIME, PHOTO, OPT. GOODS-	466,272	273,431	153,199	39,642	39,642	-----	-----	-----	-----
MISC. PRODUCTS OF MANUFACTURING									
3911 MISC MANUFACTURED PRODUCTS----	3,322,014	1,469,020	99,011	1,753,983	171,770	-----	1,582,010	-----	203
WASTE & SCRAP MATERIALS									
4011 IRON AND STEEL SCRAP-----	12,245,737	235,367	8,758,209	3,252,161	164,555	1,463	2,618,790	467,353	-----
4012 NONFERROUS METAL SCRAP-----	1,886,643	769,193	1,036,363	81,087	10,379	-----	70,708	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP--	293,886	6,097	278,171	7,618	7,618	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	4,297,861	11,412	4,284,777	1,672	1,672	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	24,348,936	-----	-----	24,988,936	194,659	287	16,176,866	8,577,124	-----
SPECIAL ITEMS									
4111 WATER-----	2,576,239	-----	-----	2,576,239	10,730	-----	1,362,613	1,202,894	2
4112 COMMODITIES, NEC-----	5,013,528	594,006	491,874	3,927,648	3,481,755	34,996	182,959	120,439	107,499
4119 EMPTY CONTAINERS-----	119,552	-----	-----	119,552	42,997	-----	76,519	36	-----
9999 DEPARTMENT OF DEFENSE AND SCI-	564,745	962,674	102,071	-----	-----	-----	-----	-----	-----

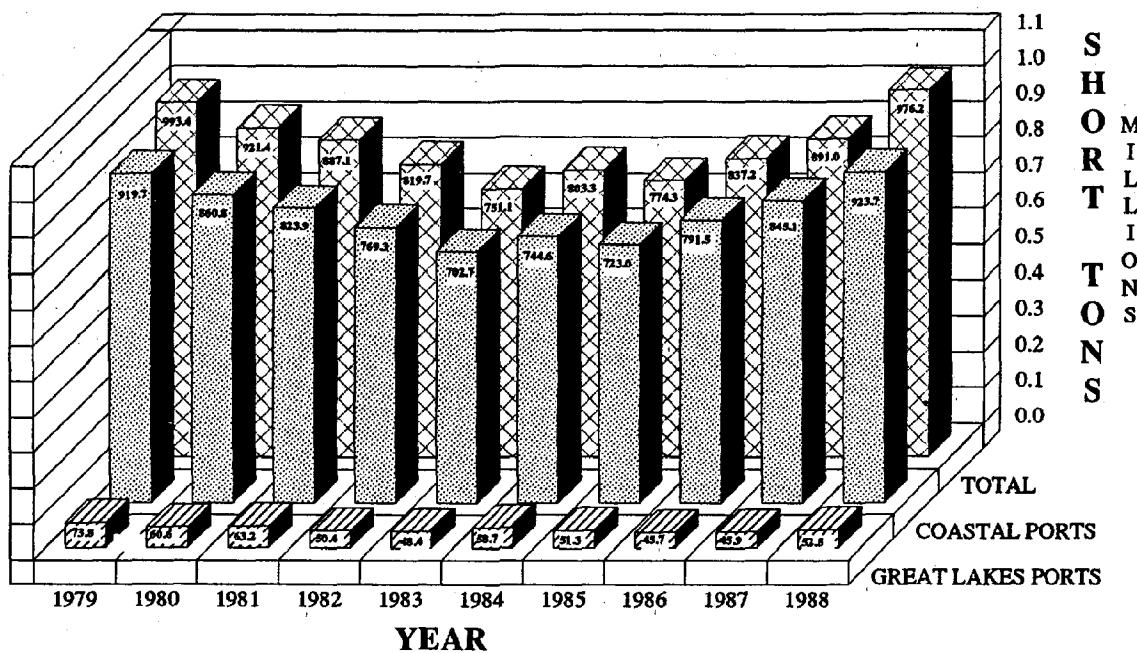
DOMESTIC WATERBORNE COMMERCE OF THE U.S.
BY TYPE OF TRAFFIC



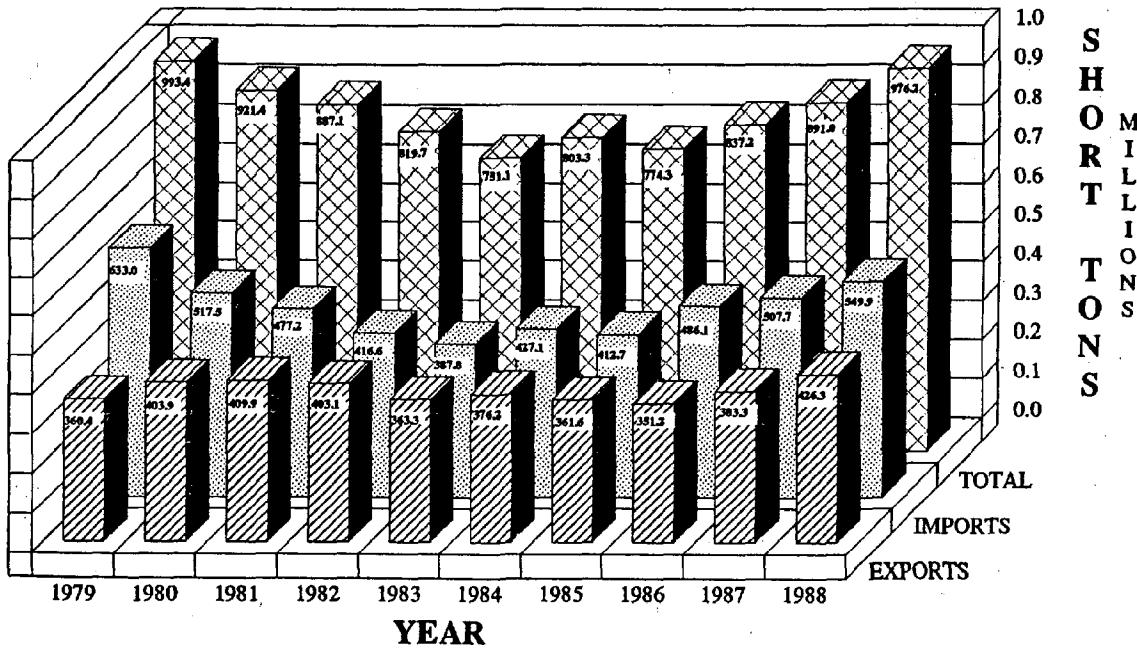
NATIONAL SUMMARIES

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FOREIGN WATERBORNE COMMERCE OF THE UNITED STATES GREAT LAKES vs. COASTAL PORTS 1979 - 1988



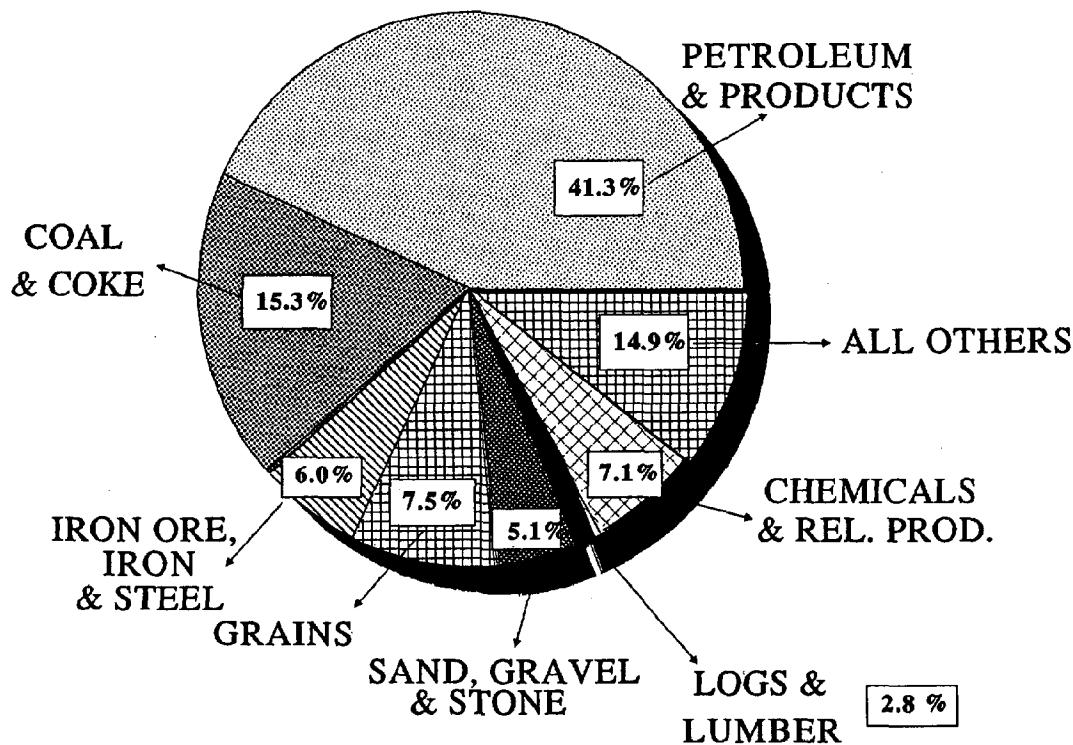
FOREIGN WATERBORNE IMPORTS AND EXPORTS 1979 - 1988



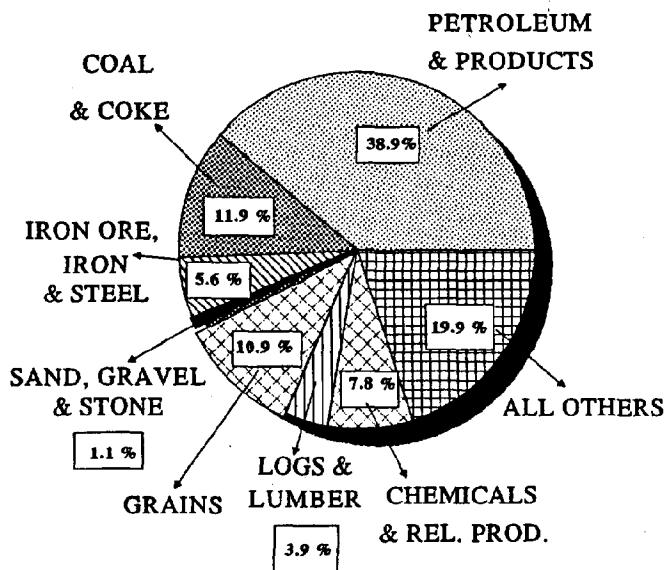
NATIONAL SUMMARIES

PRINCIPAL COMMODITIES CARRIED BY WATER CALENDAR YEAR 1988

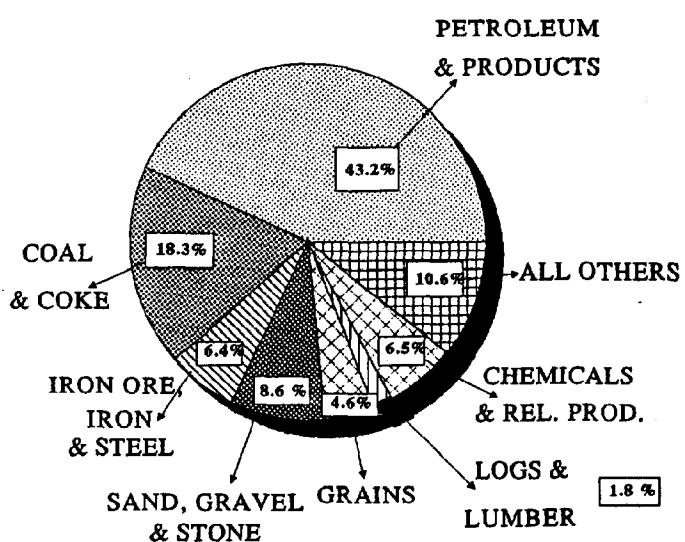
TOTAL COMMERCE



FOREIGN COMMERCE



DOMESTIC COMMERCE



NATIONAL SUMMARIES

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TABLE 2A--SUMMARY OF FOREIGN COMMERCE AT COASTAL PORTS, BY COMMODITY, CALENDAR YEAR 1988
(IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL ^a	IMPORTS	EXPORTS
TOTAL, ALL COMMODITIES-----	923,729,355	534,043,106	389,686,289
FARM PRODUCTS			
0101 COTTON, RAW-----	1,485,962	1,240	1,484,722
0102 BARLEY AND RYE-----	1,572,381	54,044	1,518,337
0103 CORN-----	47,357,628	41,506	47,316,122
0104 OATS-----	480,433	474,515	5,918
0105 RICE-----	2,598,390	136,678	2,461,712
0106 SORGHUM GRAINS-----	6,264,659	-----	6,260,659
0107 WHEAT-----	42,639,736	9	42,639,727
0111 SOYBEANS-----	18,663,535	80	18,663,455
0119 OILSEEDS, NEC-----	253,631	22,378	251,253
0121 TOBACCO, LEAF-----	444,062	177,745	266,317
0129 FIELD CROPS, NEC-----	163,870	76,973	86,897
0131 FRESH FRUITS-----	1,585,283	151,035	1,434,248
0132 BANANAS AND PLANTAINS-----	3,472,341	3,483,251	9,090
0133 COFFEE-----	1,094,012	900,126	103,886
0134 COCOA BEANS-----	266,944	265,173	1,771
0141 FRESH AND FROZEN VEGETABLES-----	1,069,375	197,172	872,203
0151 LIVE ANIMALS-----	14,245	679	13,566
0161 ANIMALS AND PRODUCTS, NEC-----	273,681	118,733	156,948
0191 MISCELLANEOUS FARM PRODUCTS-----	75,002	45,008	29,994
FOREST PRODUCTS			
0841 CRUDE RUBBER AND ALLIED GUAMS-----	1,249,856	1,216,644	33,212
0861 FOREST PRODUCTS, NEC-----	182,299	142,434	39,865
FRESH FISH & OTHER MARINE PRODUCTS			
0911 FRESH FISH, EXCEPT SHELLFISH-----	836,531	470,756	365,775
0912 SHELLFISH, EXCEPT PREPARED-----	341,078	266,691	74,387
0931 MARINE SHELLS, UNMANUFACTURED-----	13,167	3,187	9,980
METALLIC ORES			
1011 IRON ORE AND CONCENTRATES-----	17,075,604	17,064,329	11,275
1021 COPPER ORE AND CONCENTRATES-----	736,532	2,173	734,359
1051 ALUMINUM ORES, CONCENTRATES-----	17,606,212	16,540,085	1,062,127
1061 MANGANESE ORES, CONCENTRATES-----	455,063	449,097	5,966
1091 NONFERROUS ORES, CONCENT., NEC-----	2,672,265	1,976,293	695,972
COAL			
1121 COAL AND LIGNITE-----	76,426,749	826,000	75,600,749
CRUDE PETROLEUM			
1311 CRUDE PETROLEUM-----	252,538,518	252,498,458	140,060
NONMETALLIC MINERALS, EXCEPT FUELS			
1411 LIMESTONE-----	741,060	659,879	81,181
1412 BUILDING STONE, UNWORKED-----	63,653	-----	63,653
1442 SAND, GRAVEL, CRUSHED ROCK-----	4,173,614	3,200,153	973,461
1451 CLAY-----	4,862,956	2,095,164	2,767,792
1471 PHOSPHATE ROCK-----	10,404,935	743,919	9,661,016
1479 NATURAL FERTILIZER MATS, NEC-----	39,556	39,356	-----
1491 SALT-----	3,542,921	3,259,346	283,575
1492 SULPHUR, DRY-----	1,246,582	-----	1,246,582
1494 GYPSUM, CRUDE AND PLASTERS-----	9,345,500	9,235,781	109,719
1499 NONMETALLIC MINERALS, NEC-----	2,575,427	1,953,875	621,551
ORDNANCE & ACCESSORIES			
1911 ORDNANCE AND ACCESSORIES-----	28,156	22,387	5,769
FOOD & KINDRED PRODUCTS			
2011 MEAT, FRESH, CHILLED, FROZEN-----	1,744,325	844,811	899,514
2012 MEAT AND PRODUCTS, NEC-----	329,681	296,846	32,835
2014 TALLOW, ANIMAL FATS AND OILS-----	1,294,823	-----	1,294,823
2015 ANIMAL BY-PRODUCTS, NEC-----	699,184	11,629	687,555
2021 DAIRY PRODUCTS, NEC-----	198,347	156,661	41,686
2022 DRIED MILK AND CREAM-----	270,854	31,941	238,913
2031 FISH AND SHELLFISH, PREPARED-----	436,559	346,990	89,569
2034 VEGETABLES AND PREP., NEC-----	991,328	749,713	241,615
2039 PREP FRUIT AND VEG JUICE, NEC-----	2,671,665	2,148,910	522,755
2041 WHEAT FLOUR AND SEMOLINA-----	1,205,975	-----	1,205,975
2002 ANIMAL FEEDS-----	12,296,072	333,219	11,963,253
2049 GRAIN MILL PRODUCTS, NEC-----	6,866,113	261,269	b,586,824
2061 SUGAR-----	1,520,345	1,310,656	209,689
2062 MOLASSES-----	1,425,419	1,142,803	282,616
2081 ALCOHOLIC BEVERAGES-----	2,542,194	2,232,447	309,747
2091 VEGETABLE OILS, MARG, SHORT-----	3,261,045	1,517,993	1,743,052
2092 ANIMAL OILS AND FATS, NEC-----	66,363	12,451	73,912
2095 ICE-----	283,264	282,261	1,003
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,362,997	1,003,597	1,379,400
TOBACCO PRODUCTS			
2111 TOBACCO MANUFACTURES-----	240,502	6,383	234,159
BASIC TEXTILES			
2211 BASIC TEXTILE PRODUCTS-----	1,799,150	1,170,578	624,552
2212 TEXTILE FIBERS, NEC-----	88,906	43,198	45,708

Waterborne Commerce of the United States, 1988

TABLE 2A--SUMMARY OF FOREIGN COMMERCE AT COASTAL PORTS, BY COMMODITY, CALENDAR YEAR 1988--CONTINUED
(IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	IMPORTS	EXPORTS
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT			
2311 APPAREL-----	1,163,159	1,082,356	80,803
LUMBER & WOOD PRODS., EXC. FURNITURE			
2411 LOGS-----	21,310,381	223,332	21,087,049
2413 FUEL WOOD, CHARCOAL, WASTES-----	284,871	255,395	29,476
2414 TIMBER, POSTS, POLES, PILING-----	36,916	6,821	30,095
2415 PULPWOOD, LOGS-----	86,921	86,417	504
2416 WOOD CHIPS, STAVES, HOLDINGS-----	7,666,701	749,463	6,917,238
2421 LUMBER-----	6,036,930	2,168,173	3,868,757
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,794,597	1,090,276	704,321
2491 WOOD MANUFACTURES, NEC-----	791,023	352,675	438,348
FURNITURE & FIXTURES			
2511 FURNITURE AND FIXTURES-----	980,226	899,610	80,616
PULP, PAPER & ALLIED PRODUCTS			
2611 PULP-----	5,641,959	608,107	5,033,852
2621 STANDARD NEWSPRINT PAPER-----	2,395,163	1,826,259	568,904
2631 PAPER AND PAPERBOARD-----	5,716,133	2,031,705	3,684,388
2691 PULP AND PAPER PRODUCTS, NEC-----	370,540	176,165	194,375
PRINTED MATTER			
2711 PRINTED MATTER-----	286,025	198,985	87,040
CHEMICALS & ALLIED PRODUCTS			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	1,074,398	530,710	543,638
2812 DYES, PIGMENT, TANNING MATS-----	26,601	-----	26,601
2813 ALCOHOLS-----	3,408,533	2,495,420	913,113
2816 RADIOACTIVE MATERIALS, WASTES-----	20,199	14,831	5,366
2817 BENZENE AND TOLUENE-----	997,805	577,419	420,386
2819 BASIC CHEMICALS AND PROD, NEC-----	33,069,370	17,676,131	15,393,239
2821 PLASTIC MATERIALS-----	4,253,694	750,470	3,503,224
2822 SYNTHETIC RUBBER-----	546,119	15,459	530,660
2823 SYNTHETIC (MAN-MADE) FIBERS-----	379,334	78,757	300,547
2831 DRUGS-----	187,816	107,617	80,199
2841 SOAP-----	565,515	158,539	406,976
2851 PAINTS-----	500,093	423,844	80,249
2861 GUM AND WOOD CHEMICALS-----	239,653	27,376	212,277
2871 NITROGENOUS CHEM FERTILIZERS-----	4,453,759	1,733,864	2,719,895
2872 POTASSIC CHEM FERTILIZERS-----	4,253,607	1,571,716	2,681,891
2873 PHOSPHATIC CHEM FERTILIZERS-----	1,473,350	116,468	1,356,882
2876 INSECTICIDES, DISINFECTANTS-----	289,315	102,070	187,245
2879 FERTILIZER AND MATERIALS, NEC-----	7,229,491	121,900	7,107,591
2891 MISCELLANEOUS CHEMICAL PROD-----	1,765,515	630,023	1,135,492
PETROLEUM & COAL PRODUCTS			
2911 GASOLINE-----	23,151,091	22,103,100	1,047,951
2912 JET FUEL-----	5,181,291	3,729,877	1,051,804
2913 KEROSENE-----	140,114	102,778	37,336
2914 DISTILLATE FUEL OIL-----	21,666,203	17,846,351	3,821,652
2915 RESIDUAL FUEL OIL-----	60,225,612	47,564,159	12,661,453
2916 LUBRICATING OILS AND GREASES-----	2,275,276	185,513	2,089,763
2917 NAPHTHA, PETROLEUM SOLVENTS-----	5,903,355	5,009,489	293,866
2918 ASPHALT, TAR, AND PITCHES-----	2,363,671	2,264,920	98,751
2920 COKE, PETROLEUM COKE-----	20,031,945	3,067,771	16,964,174
2921 LIQUEFIED GASES-----	4,623,882	3,480,102	1,343,780
2951 ASPHALT BUILDING MATERIALS-----	19,125	-----	19,125
2991 PETROLEUM AND COAL PROD, NEC-----	170,387	63,298	107,089
RUBBER & MISC. PLASTIC PRODUCTS			
3011 RUBBER AND MISC PLASTIC PROD-----	2,384,115	1,953,796	430,319
LEATHER & LEATHER PRODUCTS			
3111 LEATHER AND LEATHER PRODUCTS-----	961,735	872,600	89,135
STONE, CLAY, GLASS, & CONCRETE PROD.			
3211 GLASS AND GLASS PRODUCTS-----	695,388	384,368	311,020
3241 BUILDING CEMENT-----	12,519,536	12,490,665	28,871
3251 STRUCTURAL CLAY PRODUCTS-----	974,383	842,508	131,875
3271 LIME-----	9,398	6,043	3,355
3281 CUT STONE AND STONE PRODUCTS-----	573,694	562,266	11,428
3291 MISC NONMETALLIC MINERAL PROD-----	1,036,608	722,196	314,412
PRIMARY METAL PRODUCTS			
3311 PIG IRON-----	663,737	606,085	57,652
3312 SLAG-----	36,455	36,376	79
3314 IRON AND STEEL PRIMARY FORMS-----	1,810,294	1,790,584	19,710
3315 IRON, STEEL SHAPES, EXC. SHEET-----	9,589,377	9,597,067	52,310
3316 IRON AND STEEL PLATES, SHEETS-----	951,692	80,688	867,004
3317 IRON AND STEEL PIPE AND TUBE-----	2,943,327	2,723,800	219,527
3318 FERROALLOYS-----	1,019,631	1,380,325	35,306
3349 IRON AND STEEL PRODUCTS, NEC-----	420,861	323,431	97,630
3321 NONFERROUS METALS, NEC-----	280,904	185,353	95,551
3322 COPPER ALLOYS, UNWORKED-----	792,152	524,823	267,329
3325 LEAD AND ZINC, UNWORKED-----	245,146	201,783	43,363
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,081,049	549,464	531,585

NATIONAL SUMMARIES

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TABLE 2A--SUMMARY OF FOREIGN COMMERCE AT COASTAL PORTS, BY COMMODITY, CALENDAR YEAR 1988--CONTINUED
(IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	IMPORTS	EXPORTS
FABRICATED METAL PRODUCTS, EXCEPT: ORDNANCE, MACHINERY, & TRANS. EQUIP.			
3411 FABRICATED METAL PRODUCTS----- MACHINERY, EXCEPT ELECTRICAL	3,781,799	3,302,902	478,897
3511 MACHINERY, EXCEPT ELECTRICAL----- ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES	5,695,007	4,003,900	1,691,107
3611 ELECTRICAL MACH AND EQUIP----- TRANSPORTATION EQUIPMENT	3,788,337	2,937,788	850,549
3711 MOTOR VEHICLES, PARTS, EQUIP----- 3721 AIRCRAFT AND PARTS----- 3731 SHIPS AND BOATS----- 3791 MISC TRANSPORTATION EQUIPMENT----- INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, MATCHES & CLOCKS	7,431,373 31,891 123,378 74,568	6,496,657 11,924 50,242 27,772	934,716 19,967 73,136 46,796
3811 INSTR, TIME, PHOTO, OPT GOODS----- MISC. PRODUCTS OF MANUFACTURING	426,398	273,279	153,119
3911 MISC MANUFACTURED PRODUCTS----- WASTE & SCRAP MATERIALS	1,567,499	1,468,504	98,995
4011 IRON AND STEEL SCRAP----- 4012 NONFERROUS METAL SCRAP----- 4022 TEXTILE WASTE, SCRAP, SHEEP----- 4024 PAPER WASTE AND SCRAP----- SPECIAL ITEMS	8,509,921 1,998,831 286,139 4,295,689	177,957 652,068 8,097 11,013	8,331,964 1,036,363 278,042 4,280,676
4112 COMMODITIES, NEC----- 9999 DEPARTMENT OF DEFENSE AND SCI-----	1,075,994 564,738	585,158 462,674	490,836 102,064

Waterborne Commerce of the United States, 1988

TABLE 2B--SUMMARY OF FOREIGN COMMERCE AT GREAT LAKES PORTS, BY COMMODITY, CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	IMPORTS			EXPORTS		
		TOTAL	CANADIAN	OVERSEAS	TOTAL	CANADIAN	OVERSEAS
TOTAL, ALL COMMODITIES-----	52,491,630	15,854,005	11,720,685	4,133,320	36,637,625	31,651,401	4,986,224
FARM PRODUCTS							
0102 BARLEY AND RYE-----	892,591	27,633	27,633	-----	864,958	424,711	440,247
0103 CORN-----	2,223,915	-----	-----	-----	2,223,915	1,412,734	811,181
0104 OATS-----	36,181	36,111	36,111	-----	70	70	-----
0107 WHEAT-----	2,030,083	107,235	107,235	-----	1,922,848	397,352	1,525,496
0111 SOYBEANS-----	775,083	-----	-----	-----	775,083	124,366	650,717
0119 OILSEEDS, NEC-----	20,994	5,445	5,423	22	15,549	-----	15,549
0121 TOBACCO, LEAF-----	942	-----	-----	-----	942	-----	942
0129 FIELD CROPS, NEC-----	6,069	807	798	9	5,262	-----	5,262
0131 FRESH FRUITS-----	36	-----	-----	-----	36	-----	36
0132 BANANAS AND PLANTAINS-----	2,014	2,014	2,014	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	43,123	458	385	73	42,665	.66	42,599
0161 ANIMALS AND PRODUCTS, NEC-----	2,052	68	10	58	1,984	1,953	31
0191 MISCELLANEOUS FARM PRODUCTS-----	3	3	3	3	-----	-----	-----
FOREST PRODUCTS							
0841 CRUDE RUBBER AND ALLIED GUMS-----	16,116	16,116	16,116	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	79	78	12	66	1	-----	1
FRESH FISH & OTHER MARINE PRODUCTS							
0911 FRESH FISH, EXCEPT SHELLFISH-----	17	4	4	4	13	13	-----
METALLIC ORES							
1011 IRON ORES AND CONCENTRATES-----	9,354,958	3,830,172	3,529,778	300,394	5,524,786	5,221,579	303,207
1051 ALUMINUM ORES, CONCENTRATES-----	14,922	-----	-----	14,922	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	56,552	-----	-----	56,552	-----	-----	-----
1091 NONFERROUS ORES, CONCENT., NEC-----	76,923	76,680	15,018	61,662	43	-----	43
COAL							
1121 COAL AND LIGNITE-----	19,030,947	-----	-----	-----	19,030,947	16,794,050	236,897
CRUDE PETROLEUM							
1311 CRUDE PETROLEUM-----	46,092	25,594	25,594	-----	20,498	20,498	-----
NONMETALLIC MINERALS, EXCEPT FUELS							
1411 LIMESTONE-----	3,195,296	500	500	-----	3,194,796	3,194,796	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,124,484	1,639,894	1,639,762	132	484,590	484,590	-----
1451 CLAY-----	160,663	26,955	1	26,954	133,708	120,872	12,836
1471 PHOSPHATE ROCK-----	60,870	-----	-----	-----	60,870	60,870	-----
1491 SALT-----	2,281,652	1,859,175	1,859,175	-----	422,477	422,477	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	30,638	-----	-----	-----	30,838	30,838	-----
1499 NONMETALLIC MINERALS, NEC-----	161,826	151,571	116,038	35,533	10,255	-----	10,255
FOOD & KINDRED PRODUCTS							
2011 MEAT, FRESH, CHILLED, FROZEN-----	22	22	22	22	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	39,796	-----	-----	-----	39,796	970	38,826
2015 ANIMAL BY-PRODUCTS, NEC-----	25	25	23	2	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	15	15	15	15	-----	-----	-----
2022 DRIED MILK AND CREAM-----	12,208	-----	-----	-----	12,208	-----	12,208
2031 FISH AND SHELLFISH, PREPARED-----	34	34	34	34	-----	-----	-----
2034 VEGETABLES AND PREP., NEC-----	65	22	22	43	43	43	43
2039 PREP. FRUIT AND VEG JUICE, NEC-----	324	324	324	324	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	9,521	-----	-----	9,521	-----	9,521	9,521
2042 ANIMAL FEEDS-----	62,153	36,537	36,537	-----	25,616	-----	25,616
2049 GRAIN MILL PRODUCTS, NEC-----	53,648	8,096	7,958	138	45,552	-----	45,552
2061 SUGAR-----	3,428	-----	-----	-----	3,428	3,428	3,428
2062 MOLASSES-----	1,439	-----	-----	-----	1,439	1,439	1,439
2081 ALCOHOLIC BEVERAGES-----	3,655	3,655	100	3,555	-----	-----	-----
2091 VEGETABLE OILS, MARG., SHORT-----	17,314	1,007	705	302	16,307	-----	16,307
2092 ANIMAL OILS AND FATS, NEC-----	77	77	77	77	-----	-----	-----
2095 ICE-----	39	39	39	39	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	37,559	561	8	553	36,998	85	36,913
TOBACCO PRODUCTS							
2111 TOBACCO MANUFACTURES-----	10	1	1	1	9	-----	9
BASIC TEXTILES							
2211 BASIC TEXTILE PRODUCTS-----	5,481	5,472	18	5,454	9	3	6
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT							
2311 APPAREL-----	782	176	2	174	606	-----	606
LUMBER & WOOD PRODS., EXC. FURNITURE							
2411 LOGS-----	82	-----	-----	-----	82	-----	82
2413 FUEL WOOD, CHARCOAL, MASTERS-----	18,629	18,629	18,629	-----	-----	-----	-----
2421 LUMBER-----	8,723	8,603	8,582	21	120	34	86
2431 VENEER, PLYWOOD, WORKED WOOD-----	3,095	3,072	2,939	133	23	-----	23
2491 WOOD MANUFACTURES, NEC-----	1,469	246	77	169	1,223	39	1,184

NATIONAL SUMMARIES

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TABLE 2B--SUMMARY OF FOREIGN COMMERCE AT GREAT LAKES PORTS, BY COMMODITY, CALENDAR YEAR 1968--CONTINUED
(IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	IMPORTS			EXPORTS		
		TOTAL	CANADIAN	OVERSEAS	TOTAL	CANADIAN	OVERSEAS
FURNITURE & FIXTURES							
2511 FURNITURE AND FIXTURES-----	1,175	1,162	620	542	13	-----	13
PULP, PAPER & ALLIED PRODUCTS							
2611 PULP-----	197,604	197,604	90,706	106,898	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	202,920	202,934	202,834	-----	86	86	-----
2631 PAPER AND PAPERBOARD-----	624	574	327	247	50	-----	50
2691 PULP AND PAPER PRODUCTS, NEC-----	120	97	-----	97	23	9	14
PRINTED MATTER							
2711 PRINTED MATTER-----	180	138	37	101	42	1	41
CHEMICALS & ALLIED PRODUCTS							
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	99,323	99,323	99,276	47	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	13	-----	-----	-----	13	-----	13
2813 ALCOHOLS-----	30,270	29,324	29,166	158	946	-----	946
2817 BENZENE AND TOLUENE-----	92,085	75,757	75,757	-----	16,328	16,328	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	282,495	277,540	260,075	17,569	4,851	696	4,155
2821 PLASTIC MATERIALS-----	13,256	12,539	11,523	1,016	717	150	567
2822 SYNTHETIC RUBBER-----	41	-----	-----	-----	41	36	5
2831 DRUGS-----	5,604	5,416	5,295	121	188	2	186
2841 SOAPS-----	4,037	345	116	229	3,692	298	3,394
2851 PAINTS-----	29,593	29,580	19,352	10,228	13	1	12
2861 GUM AND WOOD CHEMICALS-----	21	21	20	1	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	194,156	194,156	31,236	162,920	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	917,185	898,781	898,781	-----	18,404	18,404	-----
2876 INSECTICIDES, DISINFECTANTS-----	121	23	23	-----	96	-----	98
2879 FERTILIZER AND MATERIALS, NEC-----	99	99	-----	99	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	1,314	631	89	542	683	63	620
PETROLEUM & COAL PRODUCTS							
2911 GASOLINE-----	183,207	143,964	138,454	5,510	39,243	39,243	-----
2912 JET FUEL-----	6,711	6,711	6,711	-----	-----	-----	-----
2913 KEROSENE-----	30,333	-----	-----	-----	30,333	30,333	-----
2914 DISTILLATE FUEL OIL-----	84,711	36,280	36,280	-----	48,431	48,431	-----
2915 RESIDUAL FUEL OIL-----	401,900	401,900	289,106	112,794	-----	-----	-----
2916 LUBRICATING OILS AND GREASES-----	62,396	-----	-----	-----	62,396	62,382	14
2917 NAPHTHA, PETROLEUM SOLVENTS-----	16,936	16,936	16,936	-----	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	128,016	49,827	18,935	30,892	78,191	78,191	-----
2920 COKE, PETROLEUM COKE-----	1,022,747	618,195	592,531	25,664	404,552	185,667	218,885
2921 LIQUEFIED GASES-----	2,942	2,942	2,942	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	10,057	-----	-----	-----	10,057	10,057	-----
2991 PETROLEUM AND COAL PROD, NEC-----	11	-----	-----	-----	11	9	2
RUBBER & MISC. PLASTIC PRODUCTS							
3011 RUBBER AND MISC PLASTIC PROD-----	2,131	1,985	165	1,820	146	87	59
LEATHER & LEATHER PRODUCTS							
3111 LEATHER AND LEATHER PRODUCTS-----	176	128	-----	128	48	-----	48
STONE, CLAY, GLASS, & CONCRETE PROD.							
3211 GLASS AND GLASS PRODUCTS-----	894	835	29	806	59	33	26
3241 BUILDING CEMENT-----	1,286,998	1,190,820	1,136,039	52,781	96,178	96,178	-----
3251 STRUCTURAL CLAY PRODUCTS-----	10,141	10,141	1	10,140	-----	-----	-----
3261 CUT STONE AND STONE PRODUCTS-----	1,132	1,132	-----	1,132	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	19,460	367	7	360	19,093	18,819	274
PRIMARY METAL PRODUCTS							
3311 PIG IRON-----	72,566	72,566	70,118	2,448	-----	-----	-----
3312 SLAG-----	87,038	87,038	87,038	-----	-----	-----	-----
3314 IRON AND STEEL: PRIMARY FORMS-----	356,900	349,839	-----	349,839	7,061	-----	7,061
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,227,230	2,227,217	36,989	2,190,228	13	-----	13
3316 IRON AND STEEL PLATES, SHEETS-----	118,557	10,689	-----	14,689	103,868	-----	103,868
3318 IRON AND STEEL PIPE AND TUBE-----	42,260	42,160	105	42,055	100	100	-----
3318 FERROALLOYS-----	112,294	112,294	27,753	84,541	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	88,278	84,889	10	84,470	3,789	3,777	12
3321 NONFERROUS METALS, NEC-----	6,539	6,164	87	6,077	375	295	80
3322 COPPER ALLOYS, UNWORKED-----	186	182	9	173	4	-----	4
3323 LEAD AND ZINC, UNWORKED-----	119,011	119,011	228	118,785	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	8,146	8,146	3,251	4,895	-----	-----	-----
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.							
3411 FABRICATED METAL PRODUCTS-----	28,480	26,809	5,769	21,040	1,671	867	784
MACHINERY, EXCEPT ELECTRICAL							
3511 MACHINERY, EXCEPT ELECTRICAL-----	49,654	41,618	1,008	40,610	8,036	1,117	6,919
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES							
3611 ELECTRICAL MACH AND EQUIP-----	4,988	4,066	110	3,956	922	278	644
TRANSPORTATION EQUIPMENT							
3711 MOTOR VEHICLES, PARTS, EQUIP-----	297,773	10,097	6,770	3,327	287,676	284,762	2,914
3721 AIRCRAFT AND PARTS-----	11	11	10	1	-----	-----	-----

Waterborne Commerce of the United States, 1988

TABLE 2B--SUMMARY OF FOREIGN COMMERCE AT GREAT LAKES PORTS, BY COMMODITY, CALENDAR YEAR 1988--CONTINUED
(IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	IMPORTS			EXPORTS		
		TOTAL	CANADIAN	OVERSEAS	TOTAL	CANADIAN	OVERSEAS
TRANSPORTATION EQUIPMENT (CONTINUED)							
3731 SHIPS AND BOATS-----	32	27	5	22	5	3	2
3791 MISC TRANSPORTATION EQUIPMENT-----	1,970	521	82	439	1,449	-----	1,449
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS							
3811 INSTR, TIME, PHOTO, OPT GOODS-----	232	152	2	150	80	-----	80
MISC. PRODUCTS OF MANUFACTURING							
3911 MISC MANUFACTURED PRODUCTS-----	532	516	32	484	16	-----	16
WASTE & SCRAP MATERIALS							
4011 IRON AND STEEL SCRAP-----	483,655	57,410	56,761	649	426,245	36,201	390,004
4012 NONFERROUS METAL SCRAP-----	106,725	106,725	3,719	103,006	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	129	-----	-----	-----	129	-----	129
4024 PAPER WASTE AND SCRAP-----	500	399	399	-----	101	101	-----
SPECIAL ITEMS							
4112 COMMODITIES, NEC-----	9,886	8,848	6,605	2,243	1,038	503	535
9999 DEPARTMENT OF DEFENSE AND SCI-----	7	-----	-----	-----	7	-----	7

NATIONAL SUMMARIES

TABLE 3--COMMERCE AT SELECTED PORTS EXCLUDING GREAT LAKES PORTS, CALENDAR YEAR 1968
(IN TONS OF 2,000 POUNDS)

PORT	TOTAL	FOREIGN		DOMESTIC				LOCAL	
		IMPORTS	EXPORTS	COASTWISE		INTERNAL			
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS		
ALABAMA:									
GUNTERSVILLE	1,833,770					1,270,678	563,092		
MOBILE HARBOR	36,475,377	5,651,623	11,350,047	298,927	1,204,637	12,616,569	5,193,341	346,133	
ALASKA:									
ANCHORAGE	21,294,484	142,867	279,972	1,108,397	280,508	11,268	507,432		
HOOCHAH HARBOR	297,013		136,927	1,494	260	141,789	16,543		
JUNEAU HARBOR	395,459	2,000	261,453	92,607	6,769	27,251	3,426	75	
KENAIKAN HARBOR	2,004,859	72,678	1,269,859	265,587	101,650	126,435	167,386	3,264	
SITKA HARBOR	777,756	48,642	164,653	161,799	26,715	33,403	16,514	30	
SKAGWAY HARBOR	1,041,027	827,621	568,632	28,730	44				
VALDEZ HARBOR	107,144,545	4,176	3,181	27,932	107,106,591	2,682	3		
WIKITTIE HARBOR	362,895								
WRANGELL HARBOR	523,591	20,146	223,518	11,081	3,878	66,377	196,481	150	
ARKANSAS:									
HELENA	1,313,012					378,349	934,665		
CALIFORNIA:									
CRESCENT CITY HARBOR	476,616					18,816	458,200		
ELWOOD	514,515								
MUMBOLDT HARBOR AND BAY	3,734,459	28,920	914,015	502,465	62,051	13,608	2,213,400		
LONG BEACH HARBOR	46,559,885	10,524,631	10,972,015	19,851,069	714,112	3,184,681	732,213	581,164	
LOS ANGELES HARBOR	45,213,855	12,078,083	9,943,432	13,300,966	3,275,716	845,516	3,180,397	2,583,943	
OAKLAND HARBOR	10,140,753	2,679,435	3,856,886	352,870	877,070	1,216,713	1,151,924	5,053	
PORT HUENEME	622,720	298,584	84,205	153,136	39,263	29,451	18,039	40	
REDWOOD CITY HARBOR	746,561	29,071	200,315	36,583	201,250	234,719	3,814		
RICHMOND HARBOR	18,912,900	1,626,292	3,175,505	9,481,845	2,106,146	476,696	1,788,450	177,966	
SACRAMENTO	1,442,780	80,835	999,719	316,049	23,666	736	21,735		
SAN DIEGO HARBOR	2,016,615	778,101	83,249	331,035	192,061	90,969		545,200	
SAN FRANCISCO HARBOR	2,274,817	976,943	836,892	22	9,612	316,772	134,576		
STOCKTON	1,375,000	413,444	906,299	31,100		29,187			
CONNECTICUT:									
BRIDGEPORT HARBOR	2,669,516	649,804	1,445	1,982,278	36,189				
NEW HAVEN HARBOR	9,558,083	3,399,361	240,491	5,604,932	355,904			57,395	
NEW LONDON HARBOR	948,844	355,459		413,404	116,564		30,751	32,666	
NORMAWL HARBOR	778,596			766,523			3,780	6,293	
STAMFORD HARBOR	1,034,363			996,783	35,580				
DELAWARE:									
NEW CASTLE AND VICINITY	9,983,299	3,410,182		7,752	269,597	1,781,814	2,710,059	1,760,560	
WILMINGTON HARBOR	3,715,419	2,176,619		246,755	113,500	43,809	855,068	256,028	
DISTRICT OF COLUMBIA:									
WASHINGTON HARBOR	536,087						536,087		
FLORIDA:									
CANAVERAL HARBOR	2,612,115	1,359,580		303,515	503,102		2,869	403,045	
CHARLOTTE HARBOR	879,542			306,420			1,246	569,628	
FERNANDINA HARBOR	339,525	56,960		172,688			103,569	6,108	
JACKSONVILLE HARBOR	15,805,551	8,456,566	2,699,752	5,624,883	1,536,619	101,603	640,862	746,264	
MIAMI HARBOR	4,341,902	1,659,407	1,515,442	552,922	564,804	6,092	43,235		
PALM BEACH HARBOR	2,578,235	517,036	608,632	542,076	841,503	952	66,036		
PANAMA CITY HARBOR	2,696,355	27,502	472,929				2,136,051	59,873	
PENSACOLA HARBOR	1,282,673	21,636	193,692	11,968	24,081	734,928	296,878		
PORT EVERGLADES HARBOR	10,207,239	4,133,776	566,143	9,067,470	392,098	41,561	6,191		
TAMPA HARBOR	50,252,299	5,470,349	15,362,806	21,826,298	7,362,572	26,050	22,321	191,227	
WEEDON ISLAND	722,003								
GEORGIA:									
BRUNSWICK HARBOR	1,855,497	1,239,736		559,281			81,008	5,472	
SAVANNAH HARBOR	13,980,978	5,696,536	5,882,644	1,614,919	589,812	174,971	243,501	279,399	
HAWAII:									
BARBERS POINT HARBOR, OAHU	7,511,140	2,714,076		345,198	3,723,916	727,950			
HILO HARBOR, HAWAII	1,455,589	15,818		65,089	1,032,468	342,214			
HONOLULU HARBOR, OAHU	10,656,845	1,580,375	151,737	4,570,619	4,078,001			120,446	
KAHLULU HARBOR, MAUI	2,156,631	16,658		156	1,360,239	779,578			
KAUMALAPAU HARBOR, LANAI	272,881								
KAIHAHAE HARBOR, HAWAII	654,600	31,892		16,039	322,533	284,136			
NAKILINILI HARBOR, KAUAI	875,753	10,014			560,182	315,567			

* TONNAGE BY TYPE OF TRAFFIC NOT REPORTED.

Waterborne Commerce of the United States, 1988

TABLE 3--COMMERCE AT SELECTED PORTS EXCLUDING GREAT LAKES PORTS, CALENDAR YEAR 1988--CONTINUED
(IN TONS OF 2,000 POUNDS)

PORT	TOTAL	FOREIGN		DOMESTIC				LOCAL	
		IMPORTS	EXPORTS	COASTWISE		INTERNAL			
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS		
INDIANA									
MOUNT VERNON-----	4,913,680	-----	-----	-----	1,050	853,857	4,052,493	6,250	
KENTUCKY									
LOUISVILLE-----	7,762,982	-----	-----	-----	-----	5,382,316	2,376,719	5,947	
LOUISIANA									
BATON ROUGE-----	78,657,473	14,751,192	13,243,941	9,902,773	3,390,834	15,266,473	25,391,469	1,910,791	
LAKE CHARLES (CALCASIEU RIVER AND PASS)-----	37,311,928	17,837,502	4,003,918	1,172,830	2,770,520	5,109,669	5,716,442	621,347	
LAKE PROVIDENCE-----	710,931	-----	-----	-----	-----	589,258	160,075	1,598	
NEW ORLEANS-----	175,500,858	21,115,719	86,480,456	1,900,501	16,462,049	66,931,278	17,388,787	5,222,068	
MAINE									
BUCKSPORT HARBOR-----	955,510	678,193	-----	253,241	5,516	-----	18,560	-----	
PORTLAND HARBOR-----	8,046,262	5,508,245	88,028	2,308,947	72,504	18,376	-----	92,166	
SEASPORT HARBOR-----	1,173,188	621,078	42,216	490,902	18,992	-----	-----	-----	
MARYLAND									
BALTIMORE HARBOR AND CHANNELS-----	41,025,745	16,500,898	12,222,610	2,522,629	2,853,341	3,511,615	855,803	3,450,249	
MASSACHUSETTS									
FALL RIVER HARBOR-----	4,787,079	328,305	-----	4,416,312	250	42,172	-----	-----	
NEW BEDFORD AND FAIRHAVEN HARBOR-----	504,919	57,700	3,779	198,986	151,209	38,112	1	55,132	
PORT OF BOSTON-----	20,601,073	11,922,301	554,387	6,322,408	1,208,652	42,521	-----	598,864	
SALEM HARBOR-----	1,465,073	273,491	-----	1,191,582	-----	-----	-----	-----	
VINEYARD HAVEN HARBOR-----	356,688	-----	-----	300,622	56,066	-----	-----	-----	
MINNESOTA									
MINNEAPOLIS-----	1,628,400	-----	-----	-----	-----	869,896	758,504	-----	
ST. PAUL-----	6,956,144	-----	-----	-----	-----	3,123,655	3,032,489	-----	
MISSISSIPPI									
BILOXI HARBOR-----	2,251,049	-----	-----	-----	3,650	2,130,977	95,554	868	
GREENVILLE-----	2,313,456	29	-----	-----	-----	1,472,308	841,119	-----	
GULFPORT HARBOR-----	923,718	602,840	142,621	-----	-----	129,468	48,789	-----	
HATCHET-----	508,182	-----	-----	-----	-----	201,290	306,792	-----	
PASCAGOULA HARBOR-----	28,527,726	13,989,293	2,863,836	271,588	5,985,669	1,597,230	6,165,048	35,175	
VICKSBURG-----	3,162,183	33	-----	-----	-----	2,170,907	991,240	-----	
MISSOURI									
PORT OF KANSAS CITY-----	2,127,344	-----	-----	-----	-----	402,073	397,571	1,327,700	
PORT OF METROPOLITAN ST. LOUIS-----	29,011,497	-----	-----	-----	-----	6,312,152	20,208,727	2,490,616	
NEW HAMPSHIRE									
PORTSMOUTH HARBOR-----	3,083,903	2,099,866	272,592	1,096,308	7,205	-----	-----	5,872	
NEW JERSEY									
CAMDEN - GLOUCESTER-----	7,829,600	2,705,603	1,271,498	1,162,822	435,453	1,284,698	961,375	40,151	
PAUGUSBRO AND VICINITY-----	22,004,472	12,333,021	165,512	884,715	3,235,766	3,086,064	2,011,125	288,269	
TRENTON HARBOR-----	936,724	-----	-----	-----	-----	936,721	-----	-----	
NEW YORK									
HEMPSTEAD HARBOR-----	1,283,934	-----	-----	1,283,651	283	-----	-----	-----	
PORT CHESTER HARBOR-----	389,962	-----	-----	-----	-----	240,822	-----	149,140	
PORT JEFFERSON HARBOR-----	3,839,106	474,653	1,666	3,277,350	83,102	-----	-----	2,335	
PORT OF ALBANY-----	8,061,379	2,268,883	57,663	889,057	71,252	4,325,976	395,725	52,843	
PORT OF NEW YORK-----	155,061,783	49,692,718	5,752,232	25,190,487	25,646,467	4,314,994	15,504,416	26,760,469	
TARRYTOWN HARBOR-----	961,413	-----	-----	-----	-----	461,413	-----	-----	
NORTH CAROLINA									
MOREHEAD CITY HARBOR-----	6,250,648	609,753	2,410,971	655,876	11,799	1,813,556	733,201	15,892	
PORT OF WILMINGTON-----	8,028,198	2,676,860	852,823	3,258,963	70,500	67,474	1,065,053	36,725	
OHIO									
CINCINNATI-----	11,242,990	-----	-----	-----	-----	9,873,230	1,649,958	19,802	

NATIONAL SUMMARIES

TABLE 3--COMMERCE AT SELECTED PORTS EXCLUDING GREAT LAKES PORTS: CALENDAR YEAR 1968--CONTINUED
(IN TONS OF 2,000 POUNDS)

PORT	TOTAL	FOREIGN		DOMESTIC				LOCAL	
		IMPORTS	EXPORTS	COASTWISE		INTERNAL			
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS		
OREGON									
CODS BAY-----	7,830,485	18,960	6,989,347	253,821	92,997	699,586	1,325,574	450,060	
OREGON SLOUGH (NORTH PORTLAND HARBOR)-----	2,162,908	404,723	1,039,989	34,349	172,659	442,756	66,432	-----	
PORT OF ASTORIA-----	1,056,847	21,588	879,697	477	25,720	118,479	50,861	-----	
PORT OF PORTLAND-----	31,970,540	2,562,112	16,793,380	2,436,375	607,269	6,948,068	1,759,929	879,807	
YACQUINA BAY AND HARBOR-----	1,327,333	-----	470,445	1,800	135,088	-----	720,000	-----	
PENNSYLVANIA									
CHESTER-----	754,325	310,168	86,323	-----	-----	341,133	16,701	-----	
MARCUS Hook AND VICINITY-----	29,615,233	16,172,092	199,693	2,533,605	1,890,659	5,746,768	3,119,435	153,081	
PENNS MAND AND VICINITY-----	8,600,904	4,167,543	1,816	13,109	-----	360,134	108,302	-----	
PHILADELPHIA HARBOR-----	37,826,999	20,439,196	2,882,569	803,860	3,611,367	6,732,411	2,265,710	1,093,886	
PITTSBURGH-----	34,373,364	-----	-----	-----	-----	27,416,302	3,394,727	3,562,335	
RHODE ISLAND									
NEWPORT HARBOR-----	489,597	480,919	213	472	-----	7,993	-----	-----	
PROVIDENCE RIVER AND HARBOR-----	7,837,071	3,723,897	343,332	3,366,702	325,323	25,613	27,080	25,120	
SOUTH CAROLINA									
CHARLESTON HARBOR-----	9,819,334	2,925,889	3,332,436	3,179,715	171,540	59,122	32,262	110,350	
GEORGETOWN HARBOR (WINYAH BAY)-----	826,821	663,113	42,568	-----	5,031	39,171	98,330	-----	
TENNESSEE									
CHATTANOOGA-----	2,486,484	-----	-----	-----	-----	2,415,207	68,565	3,042	
KNOXVILLE-----	379,713	-----	-----	-----	-----	257,766	121,947	-----	
MEMPHIS-----	10,290,387	-----	-----	-----	-----	7,562,123	2,509,751	138,513	
PORT OF NASHVILLE-----	3,306,193	-----	-----	-----	-----	3,093,367	212,826	-----	
TEXAS									
BEAUMONT-----	31,947,319	5,661,540	4,098,575	4,094,736	3,857,157	8,168,684	5,621,937	464,730	
BROWNSVILLE-----	1,237,027	174,706	156,787	-----	-----	744,500	160,259	915	
CORPUS CHRISTI-----	56,310,485	27,662,562	5,099,346	423,811	9,658,893	2,435,147	9,067,074	1,952,610	
FREERPORT HARBOR-----	15,137,691	4,984,702	1,330,218	3,636,375	437,940	2,674,750	1,943,096	131,710	
GALVESTON (GALVESTON CHANNEL)-----	12,354,709	829,235	8,541,045	238,585	1,749,642	680,549	299,259	16,024	
HARBOR ISLAND-----	1,630,500	1,459,258	47	-----	-----	45,910	125,285	-----	
HOUSTON (HOUSTON SHIP CHANNEL)-----	120,886,883	41,082,280	23,535,406	3,552,660	9,501,082	20,534,982	16,189,149	10,091,324	
MATAGORDA SHIP CHANNEL-----	5,061,695	3,670,179	216,770	-----	-----	443,535	729,211	-----	
ORANGE-----	657,627	1,791	28,043	-----	3,000	515,143	109,250	-----	
PORT ARTHUR-----	23,001,409	11,881,850	3,209,151	434,959	2,132,011	1,349,312	4,704,173	92,953	
PORT ISABEL-----	316,466	-----	-----	-----	-----	113,707	204,759	-----	
SABINE PASS HARBOR-----	1,248,308	1,663	3,252	-----	-----	557,808	685,585	-----	
TEXAS CITY (TEXAS CITY CHANNEL)-----	42,746,698	21,027,759	1,999,110	3,765,698	4,285,266	4,835,305	6,930,019	503,541	
VICTORIA-----	3,562,356	-----	-----	-----	-----	1,481,351	2,080,985	-----	
VIRGINIA									
NORFOLK HARBOR-----	46,872,082	5,671,521	30,493,358	1,102,639	2,281,580	3,768,932	2,571,497	1,024,496	
PORT OF HOPEWELL-----	1,293,740	18,526	451,881	2,100	78,865	369,461	329,907	-----	
PORT OF NEWPORT, NEW JERSEY-----	21,391,195	684,023	18,357,706	3,739	368,932	817,900	1,155,895	2,992	
PORT OF RICHMOND-----	2,574,064	275,909	202,405	323,503	119,057	1,271,010	362,180	-----	
WASHINGTON									
ANACORTES HARBOR-----	13,637,730	1,504,573	1,315,940	7,972,324	2,003,871	192,112	641,870	7,040	
BELLINGHAM BAY AND HARBOR-----	1,867,371	404,274	343,654	169,622	559,484	187,119	203,236	-----	
EVERETT HARBOR AND SNOHOMISH RIVER-----	7,395,543	355,224	2,166,606	-----	-----	1,617,764	953,859	2,300,090	
GRAYS HARBOR AND CHEHALIS RIVER-----	6,476,279	13,519	3,754,541	54,792	139,715	-----	-----	2,513,742	
HAMMERSLEY INLET-----	534,418	-----	-----	-----	-----	56,612	474,806	-----	
OLYMPIA HARBORS-----	1,676,634	141	1,031,301	-----	38,544	284,187	316,412	7,789	
PORT ANGELES HARBOR-----	3,088,785	351,695	1,990,800	750	-----	314,757	298,577	132,006	
PORT GAMBLE HARBOR-----	7,537,470	-----	-----	-----	72,253	376,268	269,989	-----	
PORT OF KALAMA-----	7,521,288	60,372	6,872,171	-----	123,788	461,256	3,699	-----	
PORT OF LONGVIEW-----	9,026,721	648,950	6,361,130	43,673	144,183	1,560,737	10,486	43,362	
PORT OF VANCOUVER-----	3,357,131	857,197	449,782	8,423	13,031	1,972,179	74,519	-----	
PORT TOWNSEND HARBOR-----	464,267	161,225	40,996	-----	-----	232,338	29,708	-----	
SEATTLE HARBOR-----	18,655,664	5,073,785	6,302,537	1,167,960	1,114,606	3,085,303	1,040,079	861,394	
TACOMA HARBOR-----	20,667,517	4,101,545	10,966,320	1,506,547	1,354,243	1,925,311	436,525	378,026	
WEST VIRGINIA									
HUNTINGTON-----	17,700,717	-----	-----	-----	-----	349,292	17,380,075	1,350	
PUERTO RICO									
MAYAGUEZ HARBOR-----	370,854	282,892	3,534	81,225	12,500	29,140	1,363	-----	
PONCE HARBOR-----	595,400	446,184	95,372	16,742	-----	32,902	-----	-----	
SAN JUAN HARBOR-----	13,503,267	9,955,585	602,129	4,393,391	1,080,007	2,241,368	219,250	8,536	
VIRGIN ISLANDS									
CHRISTIANSTED HARBOR, ST. CROIX-----	993,716	764,268	81,796	-----	-----	127,552	-----	57	
ST. THOMAS HARBOR-----	464,828	117,766	42,768	3,630	-----	271,630	26,614	-----	

Waterborne Commerce of the United States, 1988

TABLE 3A--COMMERCE AT SELECTED AREAS, CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

AREA	NET TOTAL (DUPLICATIONS IN AREA ELIMINATED)	TOTAL	FOREIGN		DOMESTIC		
			IMPORTS	EXPORTS	COASTWISE	LAKENISE	INTERNAL
DELAWARE RIVER AND TRIBUTARIES, TRENTON, N. J., TO THE SEA							
BURLINGTON-FLORENCE-ROEBLING, N. J.	811,481	304,258	683	7,574		498,986	
CAMDEN-GLOUCESTER, N. J.	7,829,600	2,705,603	1,271,498	1,598,275		2,206,073	48,151
CHESTER, PA.	754,325	310,166	66,325			357,834	
LOWER DELAWARE BAY, DEL.	16,911,926	4,509,194	5,793	697,637		13,599,302	
MARCUS HOOK, PA., AND VICINITY	29,815,233	16,172,092	199,693	4,424,164		8,866,203	153,081
NEW CASTLE, DEL., AND VICINITY	9,983,299	3,419,182	7,752	2,051,411		4,470,619	35,335
PAULSBORO, N. J., AND VICINITY	22,008,472	12,333,021	165,912	4,120,481		5,097,189	259,269
PENN MANOR, PA., AND VICINITY	4,600,905	4,167,543	1,816	13,109		418,436	
PHILADELPHIA HARBOR, PA.	37,828,999	20,439,196	2,882,569	4,415,227		8,996,121	1,093,886
THOMPSON POINT, N. J., AND VICINITY	365,635	66,321		81,994		217,320	
TRENTON HARBOR, N. J.	936,721					936,721	
WILMINGTON HARBOR, DEL.	3,715,819	2,176,619	294,755	157,349		1,111,096	25,600
OTHER	307,503	55,344	64,294	388		186,180	1,297
 TOTAL	 137,046,714	 137,863,517	 66,757,521	 8,930,688	 17,567,609	 46,962,080	 1,645,619
HAMPTON Roads, VA.							
HAMPTON CREEK, VA.	652,633					652,364	279
NORFOLK HARBOR, VA.	46,872,002	5,671,521	30,493,358	3,344,198		6,338,429	1,024,496
PORT OF NEWPORT NEWS, VA.	21,391,195	684,023	10,357,706	372,671		1,973,803	2,992
 TOTAL	 66,571,417	 68,915,830	 6,355,544	 48,851,064	 3,716,869	 8,964,586	 1,027,767
CORPUS CHRISTI BAY, TEX.							
CORPUS CHRISTI, TEX.	56,310,445	27,662,564	5,090,346	10,002,704		11,522,221	1,952,610
HARBOR ISLAND, TEX.	1,630,500	1,459,258	47			171,195	
 TOTAL	 57,931,945	 57,940,945	 29,121,622	 5,090,393	 10,002,704	 11,693,416	 1,952,610
SAN FRANCISCO BAY, CALIF.							
CARQUINEZ STRAIT, CALIF.	18,936,532	964,547	2,590,689	12,132,004		3,125,787	123,505
OAKLAND HARBOR, CALIF.	10,180,753	2,679,435	3,856,888	1,250,740		2,368,637	5,053
PETALUMA RIVER, CALIF.	310,235					310,235	
REDWOOD CITY, CALIF.	746,561	29,871	240,315	237,842		238,533	
RICHMOND HARBOR, CALIF.	18,912,700	1,626,292	3,175,505	11,667,991		2,265,146	177,966
SACRAMENTO RIVER, CALIF.	1,950,080	80,835	999,719	339,735		99,791	
SAN FRANCISCO HARBOR, CALIF.	2,274,817	976,983	836,892	9,834		451,348	
SAN JOAQUIN RIVER AND TRIBUTARIES	3,219,459	967,438	1,405,476	264,117		582,428	
SAN PABLO BAY AND MARIN ISLAND STRAIT, CALIF.	6,884,084	36,419	431,671	4,594,659		1,781,315	
SUQUAN BAY CHANNEL, CALIF.	3,585,500		649,193	2,480,009		456,298	
OTHER	13,662,575	204,564	164,376	5,966,456		7,251,776	75,403
 TOTAL	 70,743,298	 80,156,676	 7,566,344	 14,350,724	 38,923,187	 18,931,294	 381,927
CHICAGO, ILL., AND INDIANA							
BUFFINGTON HARBOR, IND.	1,265,934	7,442	24,693		1,216,602	15,197	
GARY HARBOR, IND.	8,655,444	2,576			8,377,363	254,105	1,400
INDIANA HARBOR, IND.	16,663,362	488,677	45		16,646,312	467,472	20,056
PORT OF CHICAGO, ILL.	22,893,740	2,917,675	60,927		3,899,503	13,294,673	2,720,762
 TOTAL	 46,907,188	 49,438,480	 3,416,570	 85,665	 29,141,780	 14,051,447	 2,743,018

NATIONAL SUMMARIES

TABLE 4--COMMERCE AT SELECTED PORTS ON THE GREAT LAKES, CALENDAR YEAR 1988
(IN TONS OF 2,000 POUNDS)

PORT	TOTAL	FOREIGN				DOMESTIC				INTERNAL	LOCAL		
		IMPORTS		EXPORTS		LAKEMISE		COASTWISE					
		CANADIAN	OVERSEAS	CANADIAN	OVERSEAS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS				
ILLINOIS													
PORT OF CHICAGO-----	22,893,740	1,710,803	1,207,072	15,097	45,830	2,859,500	1,039,999	-----	-----	13,294,673	2,720,762		
#AUKEGAN HARBOR-----	480,323	-----	-----	-----	-----	480,323	-----	-----	-----	-----	-----		
INDIANA:													
BUFFINGTON HARBOR-----	1,265,930	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
BURNS WATERWAY HARBOR-----	7,466,121	1,085,117	155,276	13,982	35,357	5,343,703	100,656	-----	-----	734,032	-----		
GARY HARBOR-----	8,635,440	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
INDIANA HARBOR-----	16,643,362	285,081	203,598	-----	45	13,858,515	1,787,797	-----	-----	487,472	20,856		
MICHIGAN													
ALABASTER-----	612,476	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
ALPENA HARBOR-----	2,128,411	47,956	-----	34,272	-----	391,014	1,650,369	-----	-----	-----	-----		
CALCITE-----	19,205,105	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
DRUMMOND ISLAND-----	535,012	17,316	-----	89,844	-----	-----	427,852	-----	-----	-----	-----		
ESCANABA-----	7,672,844	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
GRAND HAVEN HARBOR AND GRAND RIVER-----	1,423,935	73,735	-----	369,749	14,002	605,735	362,718	-----	-----	-----	-----		
HOLLAND HARBOR-----	313,143	36,466	-----	-----	-----	276,675	-----	-----	-----	-----	-----		
LOUINGTON HARBOR-----	1,153,681	52,681	3,870	54,047	2,205	710,946	374,669	-----	-----	-----	-----		
MANISTEE CITY-----	383,184	-----	-----	-----	-----	-----	383,184	-----	-----	-----	-----		
MARQUETTE HARBOR-----	73,510	-----	-----	-----	13	-----	729,297	-----	-----	-----	-----		
MUSKEGON HARBOR-----	1,522,552	12,605	-----	19,175	-----	1,090,772	-----	-----	-----	-----	-----		
PORT DOUGLASS-----	1,563,778	67,488	-----	22,897	3,640	1,482,500	17,257	-----	-----	-----	-----		
PORT UPSALA-----	4,189,568	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
PORT HURON-----	954,650	236,354	4,680	116,997	2,425	594,190	-----	-----	-----	-----	-----		
PORT INLAND-----	3,384,389	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
PORT OF DETROIT-----	15,351,351	1,535,590	956,932	350,598	306,122	11,030,713	550,663	-----	-----	-----	160,725		
PRESSURE ISLE HARBOR-----	11,433,323	50	1,906	3,777,615	191,465	2,854,708	5,007,575	-----	-----	-----	-----		
ST. CLAIR-----	8,212,259	-----	-----	-----	-----	6,212,259	-----	-----	-----	-----	-----		
ST. JOSEPH HARBOR-----	492,687	-----	-----	-----	-----	-----	662,847	-----	-----	-----	-----		
STONEPORT-----	8,337,308	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
TRAVERSE CITY HARBOR-----	258,667	-----	-----	-----	-----	258,667	-----	-----	-----	-----	-----		
MINNESOTA													
DULUTH - SUPERIOR HARBOR-----	40,002,268	478,432	57,641	3,195,337	3,328,411	2,071,154	29,690,703	-----	-----	868	1,179,722		
TACONITE HARBORS-----	8,257,153	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
TWO HARBORS (AGATE BAY)-----	12,116,346	15,667	-----	-----	-----	1,701	12,098,110	-----	-----	868	-----		
NEW YORK													
OSWEGO HARBOR-----	792,927	530,735	127,255	4,952	-----	33,087	-----	-----	-----	96,938	-----		
PORT OF BUFFALO-----	1,334,608	232,104	24	-----	82	1,058,035	41,671	-----	-----	-----	2,692		
OHIO													
ASHTABULA HARBOR-----	10,335,395	441,426	161,213	4,881,986	213,834	3,460,792	1,156,452	-----	-----	-----	-----		
CLEVELAND HARBOR-----	14,550,876	2,039,503	503,502	379,486	63,382	11,195,571	367,106	-----	-----	-----	2,361		
CONNEAUT HARBOR-----	10,220,234	25,065	6,493,114	-----	-----	2,625,227	1,076,828	-----	-----	-----	-----		
FARPORT HARBOR-----	2,211,501	85,346	-----	77,900	-----	1,751,059	212,597	-----	-----	-----	83,807		
HURON HARBOR-----	522,743	27,034	-----	-----	-----	695,709	-----	-----	-----	-----	-----		
LORAIN HARBOR-----	17,475,549	20,010	42	11,770	-----	10,703,853	6,197,668	-----	-----	26,640	515,586		
MARBLEHEAD-----	1,013,013	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----		
SANDUSKY HARBOR-----	4,831,214	30,046	-----	3,849,860	-----	236,216	913,090	-----	-----	-----	-----		
TOLEDO HARBOR-----	14,741,752	581,104	388,555	6,704,658	308,323	4,303,454	4,309,128	-----	-----	2,361	148,109		
PENNSYLVANIA													
ERIE HARBOR-----	1,002,418	327,113	83,332	-----	37,130	387,235	-----	-----	-----	-----	167,608		
WISCONSIN													
ASHLAND HARBOR-----	40,331,935	10,196	-----	57,681	3,195,337	3,328,411	2,071,154	29,690,703	-----	-----	868		
DULUTH - SUPERIOR HARBOR-----	40,002,268	478,432	57,641	3,195,337	3,328,411	2,071,154	29,690,703	-----	-----	-----	1,179,722		
GREEN BAY HARBOR-----	1,640,057	57,366	104,652	566	47,698	1,426,775	3,000	-----	-----	-----	-----		
MILWAUKEE-----	2,209,211	522,844	60,579	327,431	357,880	1,016,350	4,145	-----	-----	-----	-----		
SHEBOYGAN HARBOR-----	306,434	50,642	13,630	-----	-----	377,989	384,173	-----	-----	-----	-----		

* TONNAGE BY TYPE OF TRAFFIC NOT REPORTED

Waterborne Commerce of the United States, 1988

TABLE 5--COMMERCE ON SELECTED WATERWAYS OF THE UNITED STATES, CALENDAR YEAR 1988
(IN TONS OF 2,000 POUNDS)

WATERWAY	TONS ¹	TOTAL TON-MILES (000 OMITTED)	MILES PER TON ²
ATLANTIC COAST:			
ANACOSTIA RIVER, D. C.	536,047	1,072	2
APPOMATTOX RIVER, VA.	1,415,292	12,330	9
ATLANTIC INTRACOASTAL WATERWAY: BETWEEN NORFOLK, VA., AND THE ST. JOHNS RIVER, FLA. (NET)	4,911,773	483,863	99
U. S. ARMY ENGINEER DISTRICT, NORFOLK - VIA DISMAL SWAMP CANAL ROUTE	194,432	4,952	25
U. S. ARMY ENGINEER DISTRICT, NORFOLK - VIA GREAT BRIDGE LOCK ROUTE	1,431,312	21,034	15
U. S. ARMY ENGINEER DISTRICT, WILMINGTON	3,329,716	269,429	81
U. S. ARMY ENGINEER DISTRICT, CHARLESTON	679,062	111,786	105
U. S. ARMY ENGINEER DISTRICT, SAVANNAH	845,124	64,061	76
U. S. ARMY ENGINEER DISTRICT, JACKSONVILLE	526,797	12,602	24
BAY RIDGE AND RED HOOK CHANNELS, N. Y.	1,280,799	2,702	2
BLACKWATER RIVER, VA.	404,496	5,258	13
BRETON BAY, MD.	1,006,637	6,039	6
BRONX RIVER, N. Y.	311,755	624	2
BUTTERMILK CHANNEL, N. Y.	994,151	1,986	2
CAPE COD CANAL, MASS.	13,099,102	* -----	-----
CAPE FEAR RIVER ABOVE WILMINGTON, N. C.	279,805	13,568	48
CHANNEL TO NEWPORT, NEWB., VA.	27,547,456	137,737	5
CHELSEA RIVER, MASS.	9,046,561	24,865	3
CHOPTANK RIVER, MD.	360,202	4,215	12
CHOWAN RIVER, N. C.	406,049	19,523	48
CONEY ISLAND CHANNEL, N. Y.	1,501,959	1,502	1
CONNECTICUT RIVER BELOW HARTFORD, CONN.	1,300,377	43,967	30
DELAWARE RIVER: TRENTON, N. J., TO THE SEA (NET)	118,631,600	9,137,416	77
AT CAMDEN, N. J.	4,031,507	# -----	-----
BETWEEN PHILADELPHIA, PA., AND TRENTON, N. J.	11,760,023	209,632	18
PHILADELPHIA, PA., TO THE SEA	118,259,466	8,927,784	75
EAST CHESTER CREEK, N. Y.	1,564,254	7,211	5
EAST RIVER, N. Y.	40,222,909	550,115	14
EAST ROCKAWAY INLET, N. Y.	1,010,847	1,011	1
FLUSHING BAY AND CREEK, N. Y.	1,868,027	4,031	2
GOHANUS CANAL, N. Y.	616,401	972	2
GOHANUS CREEK CHANNEL, N. Y.	2,209,938	2,210	1
GRAVESEND BAY, N. Y.	1,351,760	1,503	1
HACKENSACK RIVER, N. J.	1,916,244	14,241	7
HAMPTON CREEK, VA.	652,633	1,948	3
HARLEM RIVER, N. Y.	466,236	1,792	4
HOUSATONIC RIVER, CONN.	382,836	1,914	5
HUDSON RIVER: DEEP WATER IN UPPER BAY, N. Y., TO WATERFORD, N. Y. (NET)	26,166,982	1,626,097	67
MOUTH OF SPUYTEN DUYVIL CREEK (HARLEM RIVER) TO WATERFORD, N. Y.	21,242,825	1,386,126	65
HUDSON RIVER CHANNEL, N. Y., AND N. J.	23,472,580	239,972	10
INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE BAY, DEL. AND MD. - CHESAPEAKE AND DELAWARE CANAL	17,921,823	824,343	46
INTRACOASTAL WATERWAY:			
JACKSONVILLE TO MIAMI, FLA.	613,623	33,300	58
MIAMI TO KEY WEST, FLA.	432,179	34,457	80
JAMAICA BAY, N. Y.	1,510,629	18,278	12
JAMES RIVER, VA.	10,215,279	621,838	61
LOWER ENTRANCE CHANNELS, NEW YORK HARBOR, N. Y.	100,185,919	1,001,859	10
MIAMI RIVER, FLA.	489,461	1,465	3
NYSTIC RIVER, MASS.	3,269,685	3,270	1
NANTICOKE RIVER (INCLUDING NORTHWEST FORK), DEL. AND MD.	354,614	11,190	32
NARROWS OF LAKE CHAMPLAIN, N. Y. AND VT.	238,836	4,299	18
NUSEY RIVER, N. C.	110,114	3,753	30
NEW YORK AND NEW JERSEY CHANNELS, N. Y. AND N. J.	105,530,007	1,077,392	10
NEWARK BAY, N. J.	23,808,377	84,161	4
NEWPORT NEWS CREEK, VA.	438,998	939	1
NEWTON CREEK, N. Y.	2,273,520	3,931	2
NORTHEAST: (CAPE FEAR) RIVER, N. C.	780,655	3,993	5
OCCOquan CREEK, VA.	972,624	5,836	6
OYSTER BAY, N. Y.	372,932	471	1
PALMICO AND TAR RIVERS, N. C.	2,564,358	64,958	25
PASSAIC RIVER, N. J.	6,819,591	10,536	2
PENOBSCOT RIVER, MAINE	1,277,064	14,363	11
PISCATAQUA RIVER, MAINE AND N. H.	3,483,903	12,723	4
POCONOKE RIVER, MD., AND VA.	226,538	3,705	16
POTOMAC RIVER BELOW WASHINGTON, D. C.	3,331,089	190,042	57
RAPPAHANNOCK RIVER, VA.	83,131	2,780	33
RARITAN RIVER TO ARTHUR KILL CUT-OFF CHANNEL, N. J.	2,068,300	2,088	1
RARITAN RIVER, N. J.	2,603,453	6,013	2
ROANOKE RIVER, N. C.	263,684	8,952	34
SCHUYLKILL RIVER, PA.	9,124,247	24,175	3
SHIPYARD RIVER, S. C.	1,847,855	1,888	1
ST. JOHNS RIVER, FLA., JACKSONVILLE TO LAKE HARNEY	373,008	38,494	103
SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD.	851,718	6,810	0
THAMES RIVER, CONN.	446,504	2,322	5
UPPER BAY, NEW YORK HARBOR, N. Y. AND N. J.	138,409,853	472,918	3
NEWMOUTH FORE RIVER, MASS.	1,494,666	11,885	8
WICOMICO RIVER (EASTERN SHORE), MD.	1,098,752	27,088	25
WILMINGTON HARBOR, N. C. (SEE PORT OF WILMINGTON, N. C., FOR PORT DATA)	8,347,779	205,798	25
WOODS HOLE CHANNEL, MASS.	375,452	375	1
YORK RIVER, VA.	6,860,778	57,380	0
GREAT LAKES			
CALUMET - SAG CHANNEL, ILL.	7,070,954	156,997	22
CHANNELS IN LAKE ST. CLAIR, MICH.	66,197,933	# -----	-----
CHICAGO RIVER (MAIN AND NORTH BRANCH), ILL.	1,778,898	2,539	1
CHICAGO RIVER (SOUTH BRANCH), ILL.	2,054,206	9,170	4

¹ A TON-MILES NOT REPORTED.² # INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA., TO THE SEA.³ # INCLUDED IN ST. CLAIR RIVER, MICH.

NATIONAL SUMMARIES

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TABLE I-5-- COMMERCE ON SELECTED WATERWAYS OF THE UNITED STATES, CALENDAR YEAR 1988--CONTINUED
(IN TONS OF 2,000 POUNDS)

WATERWAY	TONS	TOTAL TON-MILES (000 OMITTED)	MILES PER TON
GREAT LAKES* - CONTINUED:			
CHICAGO SANITARY AND SHIP CANAL, ILL.	17,747,141	235,431	13
DETROIT RIVER, MICH.	71,502,100	1,911,437	27
GRAYS REEF PASSAGE, MICH.	3,713,167	*	***
ILLINOIS WATERWAY, ILL.	40,972,963	8,105,815	198
ROUGE RIVER, MICH.	7,521,760	*	***
SAGINAW RIVER, MICH.	4,570,652	*	***
ST. CLAIR RIVER, MICH.	76,541,423	2,548,403	33
ST. MARYS FALL CANAL, MICHIGAN AND SAULT STE. MARIE, ONTARIO SHIP CANAL, CANADA	74,053,506	*	***
ST. MARYS RIVER, MICH.	72,442,572	4,368,788	60
GULF COAST			
ALABAMA - COOSA RIVERS, ALA., AND GA.	1,931,804	145,002	75
APALACHICOLA, CHATTAHOOCHEE, AND FLINT RIVERS, GA. AND FLA.	812,576	62,836	102
ATCHAFALAYA RIVER, LA., MORGAN CITY TO GULF OF MEXICO	5,227,601	163,445	35
BARATARIA BAY WATERWAY, LA.	830,750	22,098	27
BAYOU CASOTIE, MISS.	26,874,579	124,717	5
BAYOU CHICO, FLA.	513,827	345	1
BAYOU LAFOURCHE AND LAFOURCHE - JUMP WATERWAY, LA.	1,062,562	19,142	10
BAYOU LITTLE CAILLOU, LA.	1,130,304	2,563	2
BAYOU TECHIE AND VERMILION RIVER, LA.	931,045	13,284	14
BAYOU TECHIE, LA.	1,712,408	61,468	35
BAYOU TERREBONNE, LA.	164,662	4,515	26
BLACK HARRISON AND TOMIGBEE RIVERS, ALA.	26,485,789	5,916,857	242
BRAZOS ISLAND HARBOR, TEX. (WATERWAY)	5,555,493	5,967	0
CALCASIEU RIVER AND PASS, LA.	37,311,924	982,775	26
CEDAR BAYOU, TEX.	275,458	1,199	4
CHANNEL TO PALACIOS, TEX.	5,061,695	126,661	25
CHANNEL TO VICTORIA, TEX.	3,582,336	104,569	29
CHICKASAW CREEK, ALA.	5,115,361	9,946	2
CHOCOLATE BAYOU, TEX.	3,526,758	31,687	9
COLORADO RIVER AND FLOOD DISCHARGE CHANNELS, TEX.	692,328	10,235	15
CORPUS CHRISTI SHIP CHANNEL, TEX.	57,931,945	1,303,362	22
DICKINSON BAYOU, TEX.	722,645	6,625	9
ESCAMBIA AND CONECAU RIVERS, FLA. AND ALA.; ESCAMBIA BAY, FLA.	2,618,907	52,996	20
FRESHWATER BAYOU, LA.	476,786	8,742	18
GULF COUNTY CANAL, FLA.	2,303,500	11,629	5
GULF INTRACOASTAL WATERWAY*			
BETWEEN APACHEE BAY, FLA., AND THE MEXICAN BORDER	117,712,086	20,939,710	178
MORGAN CITY - PORT ALLEN ROUTE	27,072,639	1,637,051	60
HOUMA NAVIGATION CANAL, LA.	1,337,823	31,872	24
INNERHARBOR NAVIGATION CANAL, LA.	7,183,564	19,287	3
INTRACOASTAL WATERWAY, CALOOSAHATCHEE RIVER TO ANGLOTE RIVER, FLA.	899,706	41,243	46
JOHNSON'S BAYOU, LA.	839,594	3,335	0
LAKE PONTCHARTRAIN, LA.	1,457,253	30,602	21
MATAGORDA SHIP CHANNEL, TEX.	5,061,695	126,661	25
MERMENTAU RIVER, BAYOUS NEZPIQUE AND DES CANNE, LA.	1,407,508	45,366	32
MERMENTAU RIVER, LA.	3,358,387	32,013	24
OKECHOBEE WATERWAY, FLA.	696,250	25,573	37
PETIT ANSE, FIGUE AND CARLIN BAYOUS, LA.	1,707,390	7,666	5
SABINE - NECHES WATERWAY, TEX.	89,091,121	2,296,481	26
SAN BERNARD RIVER, TEX.	480,519	12,493	26
ST. MARKS RIVER, FLA.	903,654	10,612	11
THREE MILE CREEK, ALA.	457,609	731	2
TRIBUTARY ARROYO COLORADO, TEX.	753,937	18,910	25
WATERWAY CONNECTING TOMBIGBEE AND TENNESSEE RIVERS, ALA. AND MISS.	8,819,993	1,812,248	205
WATERWAY FROM EMPIRE, LA., TO GULF OF MEXICO	1,267,502	6,425	5
WATERWAY FROM INTRACOASTAL WATERWAY TO BAYOU DULAC, LA. (BAYOUS LE CARPEL AND GRAND CAILLOU)	275,503	2,530	9
WATSON BAYOU, FLA.	774,059	1,248	2
MISSISSIPPI RIVER SYSTEM			
ALLEHENY RIVER, PA. (IMPROVED PORTION)	3,324,961	55,115	17
ATCHAFALAYA RIVER, LA.	6,496,295	664,927	55
BARKLEY CANAL, CUMBERLAND AND TENNESSEE RIVERS	7,959,722	15,919	2
BIG SANDY RIVER, TUG AND LEVISA FORKS, KY. AND W. VA.	12,489,901	70,639	6
BLACK RIVER, WIS.	267,167	354	1
CUMBERLAND RIVER*			
MOUTH TO MILE 552 (NET)	10,025,878	1,303,741	93
MOUTH TO NASHVILLE, TENN.	13,934,403	1,259,335	90
NASHVILLE, TENN., TO MILE 552	823,195	44,405	54
GREEN AND BARREN RIVERS, KY.	7,809,527	539,606	69
MISSASSEE RIVER, TENN.	1,003,380	18,592	19
ILLINOIS RIVER, ILL.	37,815,611	7,703,818	204
KANAHNA RIVER, W. VA.	17,785,363	1,189,438	67
KASKASKIA RIVER, ILL.	3,531,602	86,359	24
KENTUCKY RIVER, KY.	218,960	14,185	65
LITTLE KANAHNA RIVER, W. VA.	634,234	1,775	3
LITTLE RIVER, LA.	326,609	32,988	101
MCCLELLAN - KERR ARKANSAS RIVER NAVIGATION SYSTEM	6,676,244	1,445,446	216
MINNESOTA RIVER, MINN.	3,866,582	54,888	18
MISSISSIPPI RIVER - GULF OUTLET, LA.	7,686,695	454,219	39
MISSISSIPPI RIVER*			
MINNEAPOLIS, MINN., TO MOUTH OF PASSES (NET)	401,546,399	184,461,366	418
MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	82,016,213	18,294,991	199
MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	106,068,681	18,157,380	171
MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	169,016,176	106,209,029	628
BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	305,674,107	20,795,354	68
NEW ORLEANS, LA., TO MOUTH OF PASSES	266,707,139	23,004,612	66
MISSOURI RIVER*			
FORT BENTON, MONT., TO THE MOUTH (NET)	6,680,878	949,356	142

* TON-MILES NOT REPORTED.

*Waterborne Commerce of the United States, 1988*TABLE 5--COMMERCE ON SELECTED WATERWAYS OF THE UNITED STATES, CALENDAR YEAR 1988--CONTINUED
(IN TONS OF 2,000 POUNDS)

WATERWAY	TONS	TOTAL TON-MILES (000 OMITTED)	MILES PER TON
MISSISSIPPI RIVER SYSTEM - CONTINUED:			
KANSAS CITY TO THE MOUTH-----	6,321,491	696,148	110
OMAHA TO KANSAS CITY-----	1,473,687	227,142	154
SIOUX CITY TO OMAHA-----	293,608	26,051	89
FORT BENTON TO SIOUX CITY-----	3,700	15	4
MONONGAHELA RIVER, PA., AND W. VA.-----	37,204,583	1,524,345	41
MOUTH OF YAZOO RIVER, MISS.-----	1,600,719	7,009	5
OHIO RIVER, PITTSBURGH TO MOUTH-----	192,594,099	50,146,569	260
OUACHITA AND BLACK RIVERS, ARK. AND LA.-----	980,566	90,673	92
RED RIVER BELOW FULTON, ARK.-----	2,325,662	207,100	89
TENNESSEE RIVER, TENN., ALA. AND KY.-----	47,103,756	7,320,101	155
WHITE RIVER, ARK., BELOW BATESVILLE, ARK.-----	503,693	64,199	127
WOLF RIVER, TENN.-----	1,120,390	2,630	3
YAZOO RIVER, MISS.-----	353,263	32,710	93
PACIFIC COAST:			
CARQUINEZ STRAIT, CALIF.-----	27,154,845	185,688	7
COEUR D'ALENE LAKE AND ST. JOE RIVER, IDAHO-----	467,094	7,803	17
MOUTH TO INTERNATIONAL BORDER (NET)-----	53,020,062	5,952,044	111
AT BAKER BAY, WASH.-----	2,100	2	1
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.-----	53,693,996	3,944,363	73
VANCOUVER, WASH., TO THE DALLES, OREG.-----	12,374,743	837,700	68
COLUMBIA RIVER ABOVE THE DALLES DAM, WASH. AND OREG. TO McNARY LOCK, WASH.-----	8,846,104	846,691	96
COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNEDYCK, WASH.-----	7,818,694	323,090	41
CODS AND WILLICOMA RIVERS, OREG.-----	693,665	5,086	8
GASTINEAU CHANNEL, ALASKA-----	397,120	3,177	8
LAKE WASHINGTON SHIP CANAL, WASH.-----	1,740,205	-----	-----
MULTNOMAH CHANNEL, OREG.-----	866,051	3,975	5
PETALUMA RIVER, CALIF.-----	310,235	3,371	11
SACRAMENTO RIVER DEEP WATER SHIP CHANNEL, CALIF.-----	1,398,326	56,320	40
SACRAMENTO RIVER, CALIF.-----	1,520,080	61,654	41
SAN JOAQUIN RIVER, CALIF.-----	3,283,704	64,559	20
SAN PABLO AND MAKE ISLAND STRAIT, CALIF.-----	33,323,495	376,282	11
SERGIUS AND WHITESTONE NARROWS, ALASKA-----	552,658	-----	-----
SNAKE RIVER, OREG., WASH., AND IDAHO-----	7,125,076	632,998	89
SWINOMISH CHANNEL, WASH.-----	8,355,654	68,694	8
SWINOMISH CHANNEL, CALIF.-----	837,077	2,062	2
Umpqua River, OREG.-----	343,104	4,028	12
WILLAMETTE RIVER ABOVE PORTLAND AND Yamhill River, OREG.-----	3,120,909	10,933	4
WRANGELL NARROWS, ALASKA-----	758,960	17,381	24
YUKON RIVER, ALASKA-----	53,500	17,592	329

* TON-MILES NOT REPORTED.

TABLE 6--TON-MILEAGE OF FREIGHT CARRIED ON THE INLAND WATERWAYS OF THE UNITED STATES, BY SYSTEM, CALENDAR YEARS 1987-1988
(000 OMITTED)

SYSTEM	1987	1988
ATLANTIC COAST WATERWAYS-----	25,875,650	28,122,048
GULF COAST WATERWAYS-----	37,900,545	44,638,479
PACIFIC COAST WATERWAYS-----	22,800,784	20,538,563
MISSISSIPPI RIVER SYSTEM, INCLUDING OHIO RIVER AND TRIBUTARIES-----	251,577,202	257,806,540
GREAT LAKES SYSTEM-----	72,542,831	83,078,874
TOTAL-----	410,736,972	438,164,504

* DOES NOT INCLUDE TRAFFIC BETWEEN FOREIGN PORTS.

NATIONAL SUMMARIES

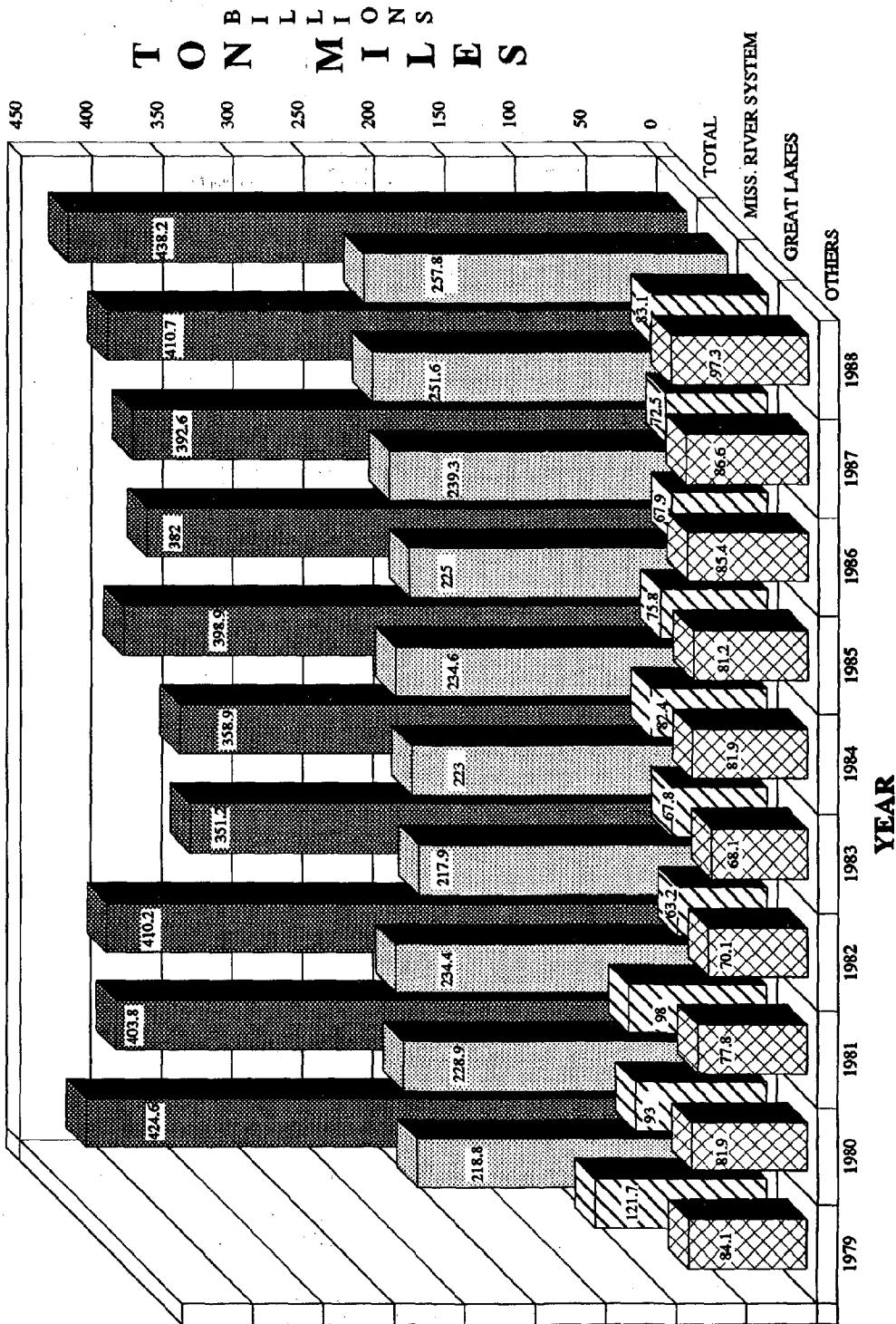
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TABLE 7. - TON-MILEAGE OF UNITED STATES FREIGHT CARRIED ON THE GREAT LAKES BY AREA, CALENDAR YEAR 1968
(000 OMITTED)

AREA	FOREIGN			DOMESTIC			LOCAL
	OVERSEAS	CANADIAN	COASTWISE	LAKEWIDE	INTERNAL	RECEIPTS AND SHIPMENTS THROUGH AND SHIPMENTS THROUGH	RECEIPTS AND SHIPMENTS THROUGH AND SHIPMENTS THROUGH
LAKE SUPERIOR:							
23,975,697	1,326,301	2,470,705	-----	-----	20,177,486	-----	1,403
ST. MARYS RIVER:	4,358,743	6	225,504	3,153	417,835	-----	5,151
LAKE MICHIGAN, INCLUDING THE PORT OF CHICAGO HARBOR, NORTH BRANCH, SOUTH BRANCH, SANITARY SHIP CANAL, CALUMET BIG CHANNEL, LAKE CALUMET AND CALUMET HARBOR AND RIVER:	15,095,512	700,673	1,451,254	-----	12,498,297	303	273,591
LAKE HURON:	18,025,040	13,795	1,340,156	703,642	2,140,146	-----	3,213,671
ST. CLAIR RIVER, INCLUDING CHANNELS IN LAKE ST. CLAIR:	3,739,967	391	337,702	7,106	650,633	-----	139,845
DETROIT RIVER:	1,914,437	26,956	163,603	31,105	394,861	-----	159,115
LAKE ERIE, INCLUDING UPPER NIAGARA RIVER:	10,698,203	308,107	1,590,043	3,602,979	1,218,539	-----	3,924,125
MELLAND CANAL:	661,234	-----	242,234	135	416,427	-----	2,367
LAKE ONTARIO, INCLUDING LOWER NIAGARA RIVER:	2,886,456	6,245	1,035,463	406,439	1,022,505	-----	4,560
ST. LAWRENCE RIVER, BETWEEN INTERNATIONAL BOUNDARY LINE AND LAKE ONTARIO:	1,726,345	1,262	1,019,089	1,725	702,991	-----	3,278
TOTAL:	63,076,614	2,379,816	6,376,073	8,718,621	6,971,907	-----	40,125,630
					18,000,296	275,633	109,714
						76,984	76,984

Waterborne Commerce of the United States, 1988

*TON-MILES OF FREIGHT CARRIED ON THE WATERWAYS OF THE
UNITED STATES, 1979 - 1988*



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TABLE 8--COMPARATIVE STATEMENT OF TRAFFIC ON THE MISSISSIPPI RIVER SYSTEM,* CALENDAR YEARS 1977-1988
(NET TRAFFIC)

YEAR	FOREIGN AND COASTWISE TRAFFIC					INLAND TRAFFIC	GRAND TOTAL		
	FOREIGN		COASTWISE		TOTAL				
	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS					
SHORT TONS									
1977	96,026,423	59,628,562	9,720,794	19,905,140	185,282,919	351,543,917	536,826,836		
1978	98,574,312	67,252,688	14,332,003	17,404,538	197,563,541	355,364,514	552,928,055		
1979	105,458,984	73,255,062	12,780,791	20,274,910	212,169,751	370,757,973	562,927,724		
1980	90,772,105	86,290,660	17,766,198	23,811,964	218,642,927	365,569,147	564,612,076		
1981	80,094,423	98,269,761	21,553,015	23,189,745	223,106,944	362,930,042	566,036,986		
1982	56,708,090	100,756,368	14,659,479	20,047,301	192,171,238	347,474,116	539,645,354		
1983	32,320,125	95,763,623	18,317,757	20,782,583	167,184,088	351,953,271	519,137,359		
1984	34,074,866	85,856,052	19,944,201	16,798,329	156,956,777	336,568,087	543,524,864		
1985	27,040,313	81,009,372	21,739,390	19,167,347	148,956,422	378,852,148	527,808,570		
1986	35,138,022	81,084,796	19,318,377	18,050,372	153,597,567	402,801,874	556,399,441		
1987	38,087,066	93,688,566	17,941,514	19,505,233	169,222,369	414,175,845	583,398,214		
1988	45,325,616	97,464,079	13,914,113	21,896,066	178,599,874	423,025,453	601,625,327		
TON-MILES (000 OMITTED)									
1977	16,236,158	8,821,136	1,744,892	3,109,673	29,911,859	166,923,758	196,835,617		
1978	16,771,655	10,103,652	2,707,945	2,740,761	32,324,013	176,483,653	208,807,666		
1979	17,592,665	11,082,598	2,605,616	3,079,059	34,339,938	184,436,341	218,776,279		
1980	15,135,789	12,965,425	3,550,956	3,756,062	35,438,232	193,492,234	228,930,466		
1981	13,314,368	14,375,436	4,159,336	3,527,113	35,376,253	199,050,733	234,426,986		
1982	8,803,571	15,130,210	2,955,205	3,211,367	30,100,353	187,890,327	217,990,600		
1983	5,075,571	14,631,875	3,565,169	3,091,935	26,384,550	196,680,195	223,064,745		
1984	5,225,849	13,110,115	3,539,022	2,436,699	24,331,685	210,297,576	234,629,261		
1985	4,113,990	12,551,382	3,857,611	2,606,492	23,129,475	201,584,645	224,714,120		
1986	5,505,532	12,619,942	3,508,647	2,479,850	24,113,971	215,179,461	239,293,452		
1987	5,940,488	14,197,880	3,566,664	2,414,511	26,119,543	225,452,436	251,571,979		
1988	7,252,184	14,742,295	2,694,735	2,635,011	27,324,225	230,478,320	257,602,545		

* INCLUDES THE MAIN CHANNELS AND ALL TRIBUTARIES OF THE MISSISSIPPI, ILLINOIS, MISSOURI, AND OHIO RIVERS.

TABLE 9--COMPARATIVE STATEMENT OF TRAFFIC ON THE MISSISSIPPI RIVER FROM MINNEAPOLIS, MINN., TO THE MOUTH OF PASSES, CALENDAR YEARS 1977-1988

YEAR	FOREIGN AND COASTWISE TRAFFIC					INLAND TRAFFIC	GRAND TOTAL		
	FOREIGN		COASTWISE		TOTAL				
	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS					
SHORT TONS									
1977	96,026,423	59,628,562	9,720,794	19,905,140	185,282,919	211,488,297	396,771,626		
1978	98,574,312	67,252,688	14,332,003	17,404,538	197,563,541	215,502,119	413,065,660		
1979	105,458,984	73,255,062	12,780,791	20,274,910	212,169,751	218,000,928	430,170,679		
1980	90,772,105	86,290,660	17,766,198	23,811,964	218,642,927	222,901,151	441,544,078		
1981	80,094,423	98,269,761	21,553,015	23,189,745	223,106,944	223,275,410	446,382,354		
1982	56,708,090	100,756,368	14,659,479	20,047,301	192,171,238	215,427,418	418,445,656		
1983	32,320,125	95,763,623	18,317,757	20,782,583	167,184,088	224,951,345	392,135,453		
1984	34,074,866	85,856,052	19,944,201	16,798,329	156,956,777	240,384,289	397,546,066		
1985	27,040,313	81,009,372	21,739,390	19,167,347	148,956,422	235,007,687	383,960,109		
1986	35,138,022	81,084,796	19,318,377	18,056,372	153,597,567	246,346,276	399,943,743		
1987	38,087,066	93,688,566	17,941,514	19,505,233	169,222,369	255,782,149	425,004,518		
1988	45,325,616	97,464,079	13,914,113	21,896,066	178,599,874	262,946,525	441,546,399		
TON-MILES (000 OMITTED)									
1977	16,236,158	8,821,136	1,744,892	3,109,673	29,911,859	109,554,793	139,466,652		
1978	16,771,655	10,103,652	2,707,945	2,740,761	32,324,013	118,165,016	150,489,029		
1979	17,592,665	11,082,598	2,605,616	3,079,059	34,339,938	120,669,620	155,009,558		
1980	15,135,789	12,965,425	3,550,956	3,766,062	35,438,232	133,294,646	168,732,678		
1981	13,314,368	14,375,436	4,159,336	3,527,113	35,376,253	138,972,272	174,346,325		
1982	8,803,571	15,130,210	2,955,205	3,211,367	30,100,353	131,592,212	161,692,565		
1983	5,095,571	14,631,875	3,565,165	3,091,935	26,384,550	139,886,494	166,273,044		
1984	5,225,849	13,130,115	3,539,022	2,436,699	24,331,685	146,188,708	170,520,393		
1985	4,113,990	12,551,382	3,857,611	2,606,492	23,129,475	135,360,480	158,489,955		
1986	5,505,532	12,619,942	3,508,647	2,479,850	24,113,971	141,944,845	166,058,816		
1987	5,940,488	14,197,880	3,566,664	2,414,511	26,119,543	153,794,561	179,914,104		
1988	7,252,184	14,742,295	2,694,735	2,635,011	27,324,225	157,137,141	184,461,366		

Waterborne Commerce of the United States, 1988

TABLE 10--DOMESTIC BARGE TRAFFIC: COMMODITY BY TYPE OF TRAFFIC
CALENDAR YEAR 1988
(IN TONS OF 2,000 POUNDS)

COMMODITY	BARGE TRAFFIC					PERCENT BARGE TO TOTAL DOMESTIC	TOTAL DOMESTIC TRAFFIC
	COASTWISE	LAKENISE	INTERNAL	LOCAL	INTRA- TERRITORY		
FARM PRODUCTS							
0101 COTTON, RAW-----			2,400			2,400	89.4
0102 BARLEY AND RYE-----			702,877			702,877	99.8
0103 CORN-----	190,759	31,661,462	10,494		32,062,735	99.9	32,067,630
0104 OATS-----	1,278	369,855	6,299		375,432	99.9	375,979
0105 RICE-----	71,300	931,565	1,300		1,004,165	92.2	1,048,610
0106 SORGHUM GRAINS-----		2,189,128	10,710		2,199,838	99.6	2,209,648
0107 WHEAT-----	408,770	13,273,348	23,964		13,706,062	99.9	14,445,004
0111 SOYBEANS-----		16,157,184	23,847		16,180,631	99.9	16,180,935
0112 FLAXSEED-----		31,128			31,128	87.6	35,500
0119 OILSEEDS, NEC-----							
0121 TOBACCO, LEAF-----							1,708
0122 HAY AND FODDER-----	8,635	43,048			51,683	97.0	53,259
0129 FIELD CROPS, NEC-----		23,666			23,666	87.6	27,006
0131 FRESH FRUITS-----	191,893				191,893	57.5	333,979
0132 BANANAS AND PLANTAINS-----	26				26	.2	16,233
0133 COFFEE-----	348	300			648	2.1	31,077
0134 COCOA BEANS-----							3,629
0141 FRESH AND FROZEN VEGETABLES-----	21,985	20,521			42,506	17.6	241,838
0151 LIVE ANIMALS-----	73,412				73,412	92.8	79,069
0161 ANIMALS AND PRODUCTS, NEC-----	344	1,655			1,999	14.3	14,007
0191 MISCELLANEOUS FARM PRODUCTS-----	31,922	2,055			34,777	91.0	36,234
FOREST PRODUCTS							
0841 CRUDE RUBBER AND ALLIED GUMS-----							2,211
0861 FOREST PRODUCTS, NEC-----	4,288	2,950			7,238	6.5	110,554
FRESH FISH & OTHER MARINE PRODUCTS							
0911 FRESH FISH, EXCEPT SHELLFISH-----	974	3,015			3,989	.5	747,566
0912 SHELLFISH, EXCEPT PREPARED-----	501				541	.1	501,791
0931 MARINE SHELLS, UNMANUFACTURED-----	31,611	3,016,771	3,450		3,051,832	99.1	3,079,625
METALLIC ORES							
1011 IRON ORE AND CONCENTRATES-----	241	1,392,446	2,217,810	1,306	3,611,891	5.9	60,825,332
1021 COPPER ORE AND CONCENTRATES-----		73,470			73,470	100.0	73,470
1051 ALUMINUM ORES, CONCENTRATES-----		433,593			433,593	100.0	433,593
1061 MANGANESE ORES, CONCENTRATES-----		477,523	551		478,074	100.0	478,074
1091 NONFERROUS ORES, CONCENT., NEC-----	441	593,187	9,616		603,244	99.5	606,138
COAL							
1121 COAL AND LIGNITE-----	9,328,078	224,429	161,660,569	4,615,423	176,028,499	89.5	196,781,253
CRUDE PETROLEUM							
1311 CRUDE PETROLEUM-----	1,116,582	81,686,773	3,045,102		45,848,457	23.0	199,233,326
NONMETALLIC MINERALS, EXCEPT FUELS							
1411 LIMESTONE-----	3,285	721,358	9,124,146	39,750	9,888,539	29.8	33,137,372
1412 BUILDING STONE, UNWORKED-----							4,945
1442 SAND, GRAVEL, CRUSHED ROCK-----	3,101,769	21,692	50,436,062	8,091,776	7,500	61,659,099	98.5
1451 CLAY-----	21,285	844,457	74,768			940,510	87.2
1471 PHOSPHATE ROCK-----	5,716,445	18,613				5,735,058	100.0
1479 NATURAL FERTILIZER MATS, NEC-----		3,045	1,100			4,145	96.5
1492 SULPHUR, DRY-----	18,529		2,837,602	108,656		18,529	97.2
1493 SULPHUR, LIQUID-----			319,261	1,590		2,946,258	42.3
1494 GYPSUM, CRUDE AND PLASTERS-----	2,665		4,400,303	77,034		323,516	24.5
1499 NONMETALLIC MINERALS, NEC-----	213,618					4,690,955	87.9
ORDNANCE & ACCESSORIES							
1911 ORDNANCE AND ACCESSORIES-----	257					257	45.2
FOOD & KINDRED PRODUCTS							
2011 MEAT, FRESH, CHILLED, FROZEN-----	23,580					23,580	7.4
2012 MEAT AND PRODUCTS, NEC-----							69,295
2014 TALLOW, ANIMAL FATS AND OILS-----	13,955	97,259	43,193			154,407	99.6
2015 ANIMAL BY-PRODUCTS, NEC-----	95	12,803				12,898	85.0
2021 DAIRY PRODUCTS, NEC-----	2,408		1,230			2,408	4.8
2022 DRIED MILK AND CREAM-----						1,230	16,860
2031 FISH AND SHELLFISH, PREPARED-----	85,303		18,090			103,393	27.6
2034 VEGETABLES AND PREP., NEC-----	74,955		12,663			87,618	35.6
2039 PREP. FRUIT AND VEG JUICE, NEC-----	128,078		2,376			120,878	29.7
2041 WHEAT FLOUR AND SEMOLINA-----	1,177					3,553	11.5
2042 ANIMAL FEEDS-----	126,023	9,788,645	91,294			10,001,962	98.8
2049 GRAIN MILL PRODUCTS, NEC-----	39,389	4,552,375				45,591,784	99.1
2061 SUGAR-----	875,079	591,794				1,466,873	75.6
2062 MOLASSES-----	83,450	377,148	123,505			584,107	80.8
2081 ALCOHOLIC BEVERAGES-----	47,723	727				48,450	13.9
2091 VEGETABLE OILS, MARG, SHORT-----	58,207	1,532,832	217,745			1,808,784	98.1
2092 ANIMAL OILS AND FATS, NEC-----		14,787	5,722			20,509	93.3
2094 GROCERIES-----	85,805	10,269	331			96,405	19.7
2095 ICE-----	298					298	.3
2099 MISCELLANEOUS FOOD PRODUCTS-----	947,207	52,243	1,162			1,000,612	63.6

*NON-SELF PROPELLED VESSELS.

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TABLE 10--DOMESTIC BARGE TRAFFIC: COMMODITY BY TYPE OF TRAFFIC--CONTINUED

CALENDAR YEAR 1968

(IN TONS OF 2,000 POUNDS)

COMMODITY	BARGE TRAFFIC						PERCENT BARGE TO TOTAL DOMESTIC	TOTAL DOMESTIC TRAFFIC
	COASTWISE	LAKENISE	INTERNAL	LOCAL	INTRATERRITORY	TOTAL		
TOBACCO PRODUCTS								
2111 TOBACCO MANUFACTURES-----	6,967						34.3	20,302
BASIC TEXTILES								
2211 BASIC TEXTILE PRODUCTS-----	1,480		18,295				29.4	66,466
2212 TEXTILE FIBERS, NEC-----	26		2,864	100		19,875	24.0	18,379
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT								
2511 APPAREL-----	21,239						5.5	382,907
LUMBER & WOOD PRODS., EXC. FURNITURE								
2611 LOGS-----	825		642,576	1,500		644,901	98.9	652,227
2612 RAFTED LOGS-----								99,905,656
2613 FUEL WOOD, CHARCOAL, WASTES-----	3,242		179,591	1,300		184,133	95.0	193,902
2614 TIMBER, POSTS, POLES, PILING-----	11,476		25,559	1,099		38,932	92.6	42,039
2615 PULP/WOOD, LOG-----	13,282		3,929,692	1,750		3,940,724	99.9	3,945,378
2616 WOOD CHIPS, STAVES, HOLDINGS-----			3,917,680	15,055		3,932,735	99.9	3,932,850
2621 LUMBER-----	984,070	40	137,911	241		1,122,266	89.2	1,259,148
2631 VENEER, PLYWOOD, WORKED WOOD-----	43,135		48,204			91,339	73.7	123,895
2691 WOOD MANUFACTURES, NEC-----	193,435	40	5,735	265		197,475	85.6	230,635
FURNITURE & FIXTURES								
2511 FURNITURE AND FIXTURES-----	51,036		666			51,702	25.7	201,084
PULP, PAPER & ALLIED PRODUCTS								
2611 PULP-----	61,438		412,193			473,631	99.3	477,104
2621 STANDARD NEWSPRINT PAPER-----	15,537		42,131			57,668	44.8	128,748
2631 PAPER AND PAPERBOARD-----	56,004		339,076			397,080	74.5	533,108
2691 PULP AND PAPER PRODUCTS, NEC-----	197,215		969,599	4,432		1,171,246	83.0	1,411,671
PRINTED MATTER								
2711 PRINTED MATTER-----	6,603		3			6,606	31.4	21,065
CHEMICALS & ALLIED PRODUCTS								
2810 SODIUM HYDROXIDE-----	1,191,895		4,149,343	281,561		5,622,799	94.1	5,978,436
2811 CRUDE TAR, OIL, GAS PRODUCTS-----		41,048	1,450,218	188,034	5,615	1,684,915	95.4	1,766,155
2812 DYES, PIGMENT, TANNING MATS-----			400			400	49.7	805
2813 ALCOHOL-----	31,652		4,411,762	829,165		5,272,579	89.0	5,923,416
2816 RADIOACTIVE MATERIALS, WASTES-----	15		2,225			2,240	87.6	2,558
2817 BENZENE AND TOLUENE-----	112,159		4,485,232	1,439,222	6,934	6,043,547	90.8	6,658,253
2818 SULPHURIC ACID-----	111,677		1,549,921	400,422		2,062,020	99.6	2,070,239
2819 BASIC CHEMICALS AND PROD, NEC-----	1,466,797	218,063	20,504,250	2,426,215		24,655,325	89.2	27,645,535
2821 PLASTIC MATERIALS-----	2,845		9,469	331		12,645	12.1	104,905
2822 SYNTHETIC RUBBER-----			48,299			48,299	88.8	56,398
2823 SYNTHETIC (MAN-MADE) FIBERS-----	17					17	7	2,544
2831 DRUGS-----	8		831			839	1.5	55,340
2841 SOAP-----	3,668		4,738	1,322		9,728	6.2	156,272
2851 PAINTS-----	2,375		45			2,420	7.4	32,490
2861 GUM AND WOOD CHEMICALS-----	50,359		443,660	44,825		530,844	88.6	608,446
2871 NITROGENOUS CHEM FERTILIZERS-----	708,386	11,732	5,002,401	27,637		5,750,156	99.2	5,794,600
2872 POTASSIC CHEM FERTILIZERS-----	1,08,223		1,294,432	9,257		1,411,912	99.9	1,412,927
2873 PHOSPHATIC CHEM FERTILIZERS-----	129,872		553,799	3,140		686,811	98.9	694,587
2876 INSECTICIDES, DISINFECTANTS-----	1,375		273			1,648	20.5	8,021
2879 FERTILIZER AND MATERIALS, NEC-----	1,409,051		5,235,633	27,107		6,671,791	99.9	6,675,067
2891 MISCELLANEOUS CHEMICAL PROD-----	75,178		326,353	18,088		419,619	59.0	711,413
PETROLEUM & COAL PRODUCTS								
2911 GASOLINE-----	25,342,375	409,442	30,046,481	7,518,014	493,130	63,809,442	75.1	85,012,138
2912 JET FUEL-----	3,335,069	59,318	4,901,919	556,971	443,373	9,336,650	71.7	13,013,893
2913 KEROSENE-----	326,675		804,449	228,814	16,817	1,376,755	74.4	1,651,482
2914 DISTILLATE FUEL OIL-----	11,440,087	317,295	18,143,970	9,820,833	850,713	40,572,902	71.9	56,442,391
2915 RESIDUAL FUEL OIL-----	13,427,725	391,634	34,964,280	21,046,593	2,426,957	72,657,103	78.6	91,696,700
2916 LUBRICATING OILS AND GREASES-----	330,465	22,400	2,723,545	308,510		3,384,920	57.5	5,885,189
2917 NAPHTHA, PETROLEUM SOLVENTS-----	304,548	2,800	5,268,821	1,533,869	631,892	7,741,930	84.0	9,216,056
2918 ASPHALT, TAR, AND PITCHES-----	3,122,577	460,783	6,158,348	660,128		10,401,636	96.5	10,781,849
2920 COKE, PETROLEUM COKE-----	30,471		5,362,925	1,063,871		6,457,267	95.5	6,764,238
2921 LIQUEFIED GASES-----	361,359		1,396,721	11,133		1,769,213	99.8	1,772,085
2951 ASPHALT BUILDING MATERIALS-----	11,470		118			11,588	48.7	23,783
2991 PETROLEUM AND COAL PROD, NEC-----	1,666,435		2,764,300	461,284	33,118	4,925,137	93.3	5,281,045
RUBBER & MISC. PLASTIC PRODUCTS								
3011 RUBBER AND MISC. PLASTIC PROD-----	74,290		11,074			85,364	44.7	190,802
LEATHER & LEATHER PRODUCTS								
3111 LEATHER AND LEATHER PRODUCTS-----	11,408					11,448	36.0	31,761
STONE, CLAY, GLASS, & CONCRETE PROD.								
3211 GLASS AND GLASS PRODUCTS-----	13,848		1,400			15,208	36.3	41,950
3241 BUILDING CEMENT-----	1,548,329		5,425,452	307,181		7,280,962	70.1	10,391,259

*NON-SELF PROPELLED VESSELS.

Waterborne Commerce of the United States, 1988

TABLE 10--DOMESTIC BARGE TRAFFIC* COMMODITY BY TYPE OF TRAFFIC--CONTINUED

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

COMMODITY	BARGE TRAFFIC:						PERCENT BARGE TO TOTAL DOMESTIC	TOTAL DOMESTIC TRAFFIC
	COASTWISE	LAKEWISE	INTERNAL	LOCAL	INTRA-TERRITORY	TOTAL		
STONE, CLAY, GLASS, & CONCRETE PROD. (CONTINUED)								
3251 STRUCTURAL CLAY PRODUCTS-----	1,400		9,512			10,912	22.2	49,072
3271 LIME-----	613		1,522,554			1,523,167	99.9	1,523,256
3281 CUT STONE AND STONE PRODUCTS-----	1,028					1,028	7.2	14,289
3291 MISC. NONMETALLIC MINERAL PROD-----	70,135	40	120,107	2,643		192,925	67.9	284,143
PRIMARY METAL PRODUCTS								
3311 PIG IRON-----			593,997	1,500		595,497	99.9	595,535
3312 SLAG-----	35,230		782,177	771		818,178	44.9	1,823,062
3313 COKE, PET. ASPHALTS, SOLVENTS-----			2,988			2,988	97.6	3,063
3314 IRON AND STEEL: PRIMARY FORMS-----	9,738	174,128	2,450,206	12,221		2,626,293	99.9	2,626,244
3315 IRON, STEEL SHAPES, EXC SHEET-----	13,397	1,242	1,282,900	12,672		1,310,211	96.9	1,352,805
3316 IRON AND STEEL: PLATES, SHEETS-----	7,774		619,570	13,138		640,482	95.4	671,512
3317 IRON AND STEEL: PIPE AND TUBE-----	16,750	1,319	547,411	20,308		585,788	47.5	1,232,255
3318 PERODALLOYS-----		2,409	1,067,505	2,624		1,072,738	99.5	1,078,523
3319 IRON AND STEEL: PRODUCTS, NEC-----	39,629	37,659	533,872	1,320		612,680	96.0	636,408
3321 NONFERROUS METALS, NEC-----			23,465			25,465	83.2	28,201
3322 COPPER ALLOYS, UNWORKED-----	40		33,877	600		34,517	76.6	45,040
3323 LEAD AND ZINC, UNWORKED-----			25,495			25,495	97.2	26,221
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1		6,026	777		6,804	30.9	22,030
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.								
3411 FABRICATED METAL PRODUCTS-----	1,137,781	2,394	330,646	2,606		1,473,427	81.8	1,801,520
MACHINERY, EXCEPT ELECTRICAL								
3511 MACHINERY, EXCEPT ELECTRICAL-----	149,090	495	210,868	12,751	72,000	445,203	41.2	1,080,242
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES								
3611 ELECTRICAL: MACH. AND EQUIP-----	29,706		5,481	200	72	35,459	24.9	142,261
TRANSPORTATION EQUIPMENT								
3711 MOTOR VEHICLES, PARTS, EQUIP-----	615,261		10,390			625,660	73.0	856,977
3721 AIRCRAFT AND PARTS-----	133		398			531	50.1	1,060
3731 SHIPS AND BOATS-----	17,832		56			17,888	71.6	24,992
3791 MISC. TRANSPORTATION EQUIPMENT-----	124,618		2,343			126,961	93.2	136,194
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS								
3811 INSTR, TIME, PHOTO, OPT. GOODS-----	27,369					27,369	69.0	39,642
MISC. PRODUCTS OF MANUFACTURING								
3911 MISC. MANUFACTURED PRODUCTS-----	28,365		97,175			125,540	7.2	1,753,983
WASTE & SCRAP MATERIALS								
4011 IRON AND STEEL: SCRAP-----	152,078	1,462	2,618,787	467,353		3,239,660	99.6	3,252,161
4012 NONFERROUS METAL SCRAP-----	144		70,708			70,852	87.4	81,087
4022 TEXTILE WASTE, SCRAP, SWEEP-----								7,618
4024 PAPER WASTE AND SCRAP-----	8							1,672
4029 WASTE AND SCRAP, NEC-----	188,226	125	11,782,533	4,297,042		16,267,926	65.2	24,948,936
SPECIAL ITEMS								
4111 WATER-----	9,438		41,619	1,202,894		1,253,951	48.7	2,576,239
4112 COMMODITIES, NEC-----	966,092		55,552	106,892		1,130,536	28.8	3,927,648
4119 EMPTY CONTAINERS-----	20,294		75,400	36		95,730	80.1	119,552
TOTAL-----	95,240,722	4,515,993	563,921,517	72,225,875	4,986,821	740,892,528	66.6	1,111,772,499
TOTAL DOMESTIC TRAFFIC-----	325,176,859	109,664,111	568,118,666	83,689,494	5,123,369	1,111,772,499	-----	-----
PERCENT BARGE TO TOTAL DOMESTIC-----	29.3	4.1	95.9	86.3	97.4	66.6	-----	-----

#NON-SELF PROPELLED VESSELS.

SECTION 2

**DOMESTIC INLAND TRAFFIC
AREAS OF ORIGIN AND DESTINATION
OF PRINCIPAL COMMODITIES**

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 1--DOMESTIC INLAND MOVEMENTS OF GRAINS, SOYBEANS, SUGAR AND MOLASSES
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	CORN (CODE 0103)	OTHER GRAINS (CODES 0102, 0104, 0105, 0106)	WHEAT (CODE 0107)	SOYBEANS (CODE 0111)	SUGAR (CODE 2061)	MOLASSES (CODE 2062)
TOTAL, ALL SHIPPING AREAS-----	31,874,955	4,210,734	13,306,342	16,180,631	591,794	500,653
NANTICOKE RIVER, DEL. AND MD./ HAMPTON ROADS, VA.-----		15,599	8,843	6,037		
POTOMAC RIVER AND TRIBUTARIES/ HAMPTON ROADS, VA.-----			4,178			
RAPPAHANNOCK RIVER, VA./ CHESAPEAKE BAY----- HAMPTON ROADS, VA.-----	19,865		7,734	15,786		
TOTAL, SHIPPING AREA-----	19,865		7,734	15,786		
YORK RIVER, VA./ HAMPTON ROADS, VA.-----		2,676	14,454	31,798		
HAMPTON ROADS, VA./ HAMPTON ROADS, VA.-----			1,289	3,911		
ATLANTIC INTRACOASTAL WATERWAY/ DISMAL SWAMP CANAL ROUTE/ HAMPTON ROADS, VA.-----	2,578		2,578	1,289		
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, WILMINGTON/ HAMPTON ROADS, VA.-----	6,134		6,733	8,027		
CRADDOCK AND PAMLICO BOUNDS, N.C./ HAMPTON ROADS, VA.-----			5,968			
SAVANNAH RIVER, GA./ MANTUA CREEK, N.J.----- BALTIMORE HARBOR AND CHANNELS, MD.-----					8,759 1,140	
TOTAL, SHIPPING AREA-----					9,899	
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, JACKSONVILLE/ BALTIMORE HARBOR AND CHANNELS, MD.----- SAVANNAH RIVER, GA.-----					33,741 33,695	
TOTAL, SHIPPING AREA-----					67,436	
GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA./ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.-- MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----		17,617 1,447	37,674			
TOTAL, SHIPPING AREA-----		4,387	1,141			
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA./ WARRIOR RIVER SYSTEM----- MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----			23,451	38,815		
TOTAL, SHIPPING AREA-----		8,185	4,547			
WARRIOR RIVER SYSTEM/ WARRIOR RIVER SYSTEM----- GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.-- MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.----- MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER----- TENNESSEE RIVER, TENN., ALA. AND KY.-----	19,104	1,318	44,483	14,969 2,440	28,763 5,608 10,683 14,153 19,104 30,467	
TOTAL, SHIPPING AREA-----	19,104	1,318	60,551	92,930		
ALABAMA-COOSA RIVERS, ALA. AND GA./ WARRIOR RIVER SYSTEM----- MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----					2,429 3,831	
TOTAL, SHIPPING AREA-----					6,260	
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA./ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.-- MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----		3,319 6,500				
TOTAL, SHIPPING AREA-----	1,591					
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEXAS----- GALVESTON BAY, TEXAS----- MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.----- MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER----- ARKANSAS RIVER, ARK.----- WOLF RIVER, TENN.----- TENNESSEE RIVER, TENN., ALA. AND KY.----- ILLINOIS RIVER, ILL.----- PORT OF CHICAGO, ILL.-----		4,260	1,618	59,514 144,048	27,088 1,400 20,371 1,211 1,458 2,574	
TOTAL, SHIPPING AREA-----	1,591	9,819				
			13,269	14,586	292,652	33,731

Waterborne Commerce of the United States, 1988

TABLE I--DOMESTIC: INLAND MOVEMENTS OF GRAINS, SOYBEANS, SUGAR AND MOLASSES--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	CORN (CODE 0103)	OTHER GRAINS (CODES 0102, 0104, 0105, 0106)	WHEAT (CODE 0107)	SOYBEANS (CODE: 0111)	SUGAR (CODE: 2061)	MOLASSES (CODE 2062)
ATCHAFALAYA RIVER, LA.,/ MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-- MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	1,354 ----- 26,892 3,678 28,246 3,678		8,719 12,122 20,841	8,726 96,551 105,277		
TOTAL, SHIPPING AREA-----	28,246	3,678	20,841	105,277		
DUCHITA AND BLACK RIVERS, ARK. AND LA./ MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-- MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	3,195 6,358 6,431 67,103 9,626 73,461			63,602 151,761 215,363		
TOTAL, SHIPPING AREA-----	9,626	73,461	24,809	215,363		
BAYOU VERMILION, LA./ MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.				4,341		
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA./ GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-- GALVESTON BAY, TEXAS-----	1,664 7,132 51,713		5,894			
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-- MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	9,003 36,969 1,628		20,233	176,857		
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER: TO BUT NOT INCLUDING BATON ROUGE, LA. YAZOO RIVER AND MOUTH, MISS.				1,684 1,453		
TOTAL, SHIPPING AREA-----	9,003	97,478	27,755	207,864		
CALCASIEU RIVER AND PASS, LA./ MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-- MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	1,400 ----- ----- 1,400			28,360 2,972 31,332		
TOTAL, SHIPPING AREA-----	1,400	-----		31,332		
SABINE-NECHES WATERWAY, TEXAS/ MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-- MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.				1,600 4,367		
TOTAL, SHIPPING AREA-----				5,967		
GALVESTON BAY, TEXAS/ HARRISON RIVER SYSTEM-----					1,514	
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-- GALVESTON BAY, TEXAS-----		1,721				1,400
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----			1,434			
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-- MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	20,957 9,390 11,540 13,323 1,516 1,516					
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-- MISSOURI RIVER-----				1,543		
TOTAL, SHIPPING AREA-----		32,497	25,954	2,977		2,914
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS/ MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		4,208				
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER/ MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----	7,590 -----			100,542		
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES/ HARRISON RIVER SYSTEM-----		5,925 28,371				4,138
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-- MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.,-- SABINE-NECHES WATERWAY, TEXAS-----	507					
GALVESTON BAY, TEXAS-----	1,500 7,731 250	17,241				7,220
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----			6,005			
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-- MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		3,235 10,676				
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER: TO BUT NOT INCLUDING BATON ROUGE, LA.	5,667 8,784 1,555	8,550	1,508			
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-- MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-- ARKANSAS RIVER, ARK.-----						1,600 23,775 2,657
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-- TENNESSEE RIVER, TENN., ALA. AND KY.-----			4,130			6,917
MISSOURI RIVER-----		4,552				
ILLINOIS RIVER-----	25,776 2,470					13,217 1,434
PORT OF CHICAGO, ILL.-----				59,153		21,200
TOTAL, SHIPPING AREA-----	7,417 47,588	79,398	9,063	63,283		82,156

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 1--DOMESTIC INLAND MOVEMENTS OF GRAINS, SOYBEANS, SUGAR AND MOLASSES--CONTINUED
SHIPPING AREA BY RECEIVING AREACALENDAR YEAR 1988
(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	CORN (CODE 0103)	OTHER GRAINS (CODES 0102, 0104, 0105, 0106)	WHEAT (CODE 0107)	SOYBEANS (CODE 0111)	SUGAR (CODE 2061)	MOLASSES (CODE 2062)
MISSISSIPPI RIVER* BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA./						
GULF INTRACOASTAL WATERWAY* APALACHEE BAY, FLA., TO MOBILE BAY, ALA.		1,336				
APALACHICOLA, CHATTANOOCHEE AND FLINT RIVERS, GA. AND FLA.		6,734				
WARRIOR RIVER SYSTEM		8,441				
GULF INTRACOASTAL WATERWAY* MOBILE BAY, ALA., TO NEW ORLEANS, LA.--	4,508	6,533				
GALVESTON BAY, TEXAS		102,756				
MISSISSIPPI RIVER* NEW ORLEANS, LA., TO MOUTH OF PASSES	3,003	1,676	7,889	3,263	1,579	4,353
MISSISSIPPI RIVER* BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	8,658	6,412	3,054	10,383	43,119	220
MISSISSIPPI RIVER* MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.		52,941		1,600		1,427
MISSISSIPPI RIVER* MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--	1,367	12,192		1,546		33,804
MISSISSIPPI RIVER* MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER--	10,540	47,560		6,029		54,422
YAZO RIVER AND MOUTH, MISS.		3,061		1,412		
ARKANSAS RIVER, ARK.		6,422		1,391		29,332
WOLF RIVER, TENN.--		1,376				8,586
OHIO RIVER* ENGINEER DISTRICT, LOUISVILLE	4,533	17,689		1,400	1,274	1,603
OHIO RIVER* ENGINEER DISTRICT, PITTSBURGH						8,893
TENNESSEE RIVER, TENN., ALA. AND KY.		10,596	1,489			
CUMBERLAND RIVER, TENN. AND KY.					4,041	
MONONGAHELA RIVER, PA. AND W. VA.					3,851	
ALLEGHENY RIVER, PA.		23,335				
MISSOURI RIVER--		6,265				27,260
ILLINOIS RIVER, ILL.	5,733					25,449
MINNESOTA RIVER, MINN.						12,054
PORT OF CHICAGO, ILL.		26,434			3,918	29,790
TOTAL, SHIPPING AREA-----	38,542	345,226	18,965	27,024	57,782	240,393
MISSISSIPPI RIVER* MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA./						
GULF INTRACOASTAL WATERWAY* APALACHEE BAY, FLA., TO MOBILE BAY, ALA.		1,463				
GULF INTRACOASTAL WATERWAY* MOBILE BAY, ALA., TO NEW ORLEANS, LA.--			4,767	11,645		
HERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.		1,571				
GALVESTON BAY, TEXAS		55,159				
GULF INTRACOASTAL WATERWAY* GALVESTON TO CORPUS CHRISTI, TEXAS		76,354				
MISSISSIPPI RIVER* NEW ORLEANS, LA., TO MOUTH OF PASSES	212,571	253,630	370,277	425,942		
MISSISSIPPI RIVER* BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	286,026	1,201,671	882,319	1,625,078		
MISSISSIPPI RIVER* MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	601	4,127		11,695		
MISSISSIPPI RIVER* MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER		13,253				
YAZO RIVER AND MOUTH, MISS.	4,704	2,744	1,937		63,044	
ARKANSAS RIVER, ARK.					2,825	
WOLF RIVER, TENN.--	3,045				10,431	
TENNESSEE RIVER, TENN., ALA. AND KY.				1,519	1,500	
CUMBERLAND RIVER, TENN. AND KY.				1,449		
MISSOURI RIVER-----		1,313				
TOTAL, SHIPPING AREA-----	517,378	1,611,285	1,271,268	2,141,749		
MISSISSIPPI RIVER* MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER/ GULF INTRACOASTAL WATERWAY* APALACHEE BAY, FLA., TO MOBILE BAY, ALA.						
GULF INTRACOASTAL WATERWAY* MOBILE BAY, ALA., TO NEW ORLEANS, LA.--	1,154					
HERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.	6,547		13,241	1,557		
GALVESTON BAY, TEXAS		1,239				
MISSISSIPPI RIVER* NEW ORLEANS, LA., TO MOUTH OF PASSES		5,854				1,408
MISSISSIPPI RIVER* BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	739,523	116,573	506,145	267,527		
MISSISSIPPI RIVER* MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	1,491,975	526,267	708,452	1,170,717		
MISSISSIPPI RIVER* MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--	4,176			16,235		
YAZO RIVER AND MOUTH, MISS.	1,506	1,466				
ARKANSAS RIVER, ARK.	7,648					
WHITE RIVER, ARK.				6,524		
WOLF RIVER, TENN.--	1,367					
OHIO RIVER* ENGINEER DISTRICT, LOUISVILLE	1,520			6,071		
TENNESSEE RIVER, TENN., ALA. AND KY.			2,744	7,641		
ILLINOIS RIVER, ILL.	66,917		38,883	77,141		
TOTAL, SHIPPING AREA-----	2,352,605	653,399	1,269,425	1,553,413		2,409
MISSISSIPPI RIVER* MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER/ GULF INTRACOASTAL WATERWAY* APALACHEE BAY, FLA., TO MOBILE BAY, ALA.						
GULF INTRACOASTAL WATERWAY* MOBILE BAY, ALA., TO NEW ORLEANS, LA.--	8,506					
MISSISSIPPI RIVER* NEW ORLEANS, LA., TO MOUTH OF PASSES	5,926		15,122	4,244		
MISSISSIPPI RIVER* BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	2,614,516	11,603	181,746	617,209		
MISSISSIPPI RIVER* MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	10,890,073	58,992	747,650	3,080,171		1,365
MISSISSIPPI RIVER* MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--	5,736			54,016		
MISSISSIPPI RIVER* MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER--	8,246	2,782	1,488			
YAZO RIVER AND MOUTH, MISS.	7,585	1,162	1,494	18,017		
WOLF RIVER, TENN.--		17,699	1,164		12,884	
OHIO RIVER* ENGINEER DISTRICT, LOUISVILLE	19,816			70,888		
TENNESSEE RIVER, TENN., ALA. AND KY.		3,053	18,406	155,161		
TOTAL, SHIPPING AREA-----	14,106,001	79,921	1,017,687	4,458,617		1,365

Waterborne Commerce of the United States, 1988

TABLE 1--DOMESTIC INLAND MOVEMENTS OF GRAINS, SOYBEANS, SUGAR AND MOLASSES--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	CORN (CODE: 0103)	OTHER GRAINS (CODES 0102, 0104, 0105, 0106)	WHEAT (CODE: 0107)	SOYBEANS (CODE: 0111)	SUGAR (CODE: 2061)	MOLASSES (CODE: 2062)
YAZOO RIVER AND MOUTH, MISS./ GALVESTON BAY, TEXAS-----	1,495	4,502	6,140	14,952	-----	-----
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	13,368	37,778	60,476	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-9,382	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	10,877	17,860	43,918	75,428	-----	-----
ARKANSAS RIVER, ARK./ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA. GALVESTON BAY, TEXAS-----	-----	-----	8,571	-----	-----	1,010
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	14,073	145,942	33,653	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	5,995	113,065	606,551	215,770	-----	-----
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	2,740	-----	-----
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	1,524	-----	-----	-----
YAZOO RIVER AND MOUTH, MISS./ OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	9,009	-----	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON-----	-----	-----	1,491	-----	1,607	-----
TENNESSEE RIVER, TENN., ALA. AND KY.-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	5,995	127,938	773,088	269,111	-----	1,010
WHITE RIVER, ARK./ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA. MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	-----	1,584	-----	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	10,143	8,703	35,670	-----	-----
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	33,131	147,165	178,781	-----	-----
YAZOO RIVER AND MOUTH, MISS.-----	-----	802	4,616	1,378	-----	-----
TOTAL, SHIPPING AREA-----	-----	44,076	162,068	227,955	-----	-----
WOLF RIVER, TENN./ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA. GALVESTON BAY, TEXAS-----	-----	-----	8,361	-----	-----	-----
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	4,870	21,161	158,633	83,212	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	5,380	131,128	215,547	238,990	-----	-----
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	3,055	-----	-----
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	1,372	-----	-----
YAZOO RIVER AND MOUTH, MISS./ ALLEgheny River, PA.-----	-----	-----	-----	2,870	-----	936
TOTAL, SHIPPING AREA-----	10,250	153,809	382,541	330,435	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE/ GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA. MERMONTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA. GALVESTON BAY, TEXAS-----	3,127	-----	4,504	1,395	-----	-----
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	1,203	-----	-----	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	502,917	17,487	149,000	192,814	-----	-----
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	2,073,683	183,205	395,883	957,605	-----	-----
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	1,433	-----	-----	3,001	-----	-----
YAZOO RIVER AND MOUTH, MISS.-----	14,795	-----	-----	-----	-----	-----
WOLF RIVER, TENN.-----	25,858	-----	-----	4,062	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE-----	4,435	-----	14,876	62,624	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON-----	12,596	-----	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.-----	294,563	-----	54,614	93,450	-----	-----
ILLINOIS RIVER, ILL.-----	-----	-----	656	-----	-----	-----
TOTAL, SHIPPING AREA-----	2,931,407	203,395	620,433	1,314,951	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON/ MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	1,547	-----	1,362	-----	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	2,551	-----	2,659	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE-----	1,476	-----	-----	1,634	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.-----	-----	-----	-----	2,642	-----	-----
TOTAL, SHIPPING AREA-----	3,023	2,551	1,362	7,135	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH/ MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	-----	3,097	-----	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	-----	1,440	-----	-----
TOTAL, SHIPPING AREA-----	-----	-----	3,097	1,440	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY./ MARRIOR RIVER SYSTEM-----	1,509	-----	-----	-----	-----	-----
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	14,783	3,001	24,936	-----	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	10,447	2,875	44,289	9,000	-----	-----
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	1,451	-----	-----	-----	-----	1,456
ARKANSAS RIVER, ARK.-----	-----	-----	-----	-----	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE-----	3,028	-----	1,849	-----	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON-----	1,420	-----	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.-----	171,837	1,417	22,215	96,798	-----	-----

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE I--DOMESTIC INLAND MOVEMENTS OF GRAINS, SOYBEANS, SUGAR AND MOLASSES--CONTINUED
SHIPPING AREA BY RECEIVING AREA.CALENDAR YEAR 1988
(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	CORN (CODE: 0103)	OTHER GRAINS (CODES 0102, 0104, 0105, 0106)	WHEAT (CODE: 0107)	SOYBEANS (CODE: 0111)	SUGAR (CODE: 2061)	MOLASSES (CODE: 2062)
CUMBERLAND RIVER, TENN., AND KY./ ILLINOIS RIVER, ILL.	32,256			1,200		
TOTAL SHIPPING AREA-----	244,731	7,293	92,889	106,998		1,456
CUMBERLAND RIVER, TENN., AND KY./ MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.----- TENNESSEE RIVER, TENN., ALA. AND KY.-----	4,550 38,912 13,702		12,434 61,617 1,300	7,624 27,422 9,903		
TOTAL SHIPPING AREA-----	57,164		75,351	44,909		
GREEN AND BARREN RIVERS, KY./ MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.----- YAZOZ RIVER AND MOUTH, MISS.----- TENNESSEE RIVER, TENN., ALA. AND KY.-----	3,304 10,331		4,173	13,914 2,816 1,450		
TOTAL SHIPPING AREA-----	13,635		4,173	19,522		
MISSOURI RIVER/ MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.----- MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER----- OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE----- TENNESSEE RIVER, TENN., ALA. AND KY.-----	27,239 128,326 ----- ----- -----	12,176 80,849 1,333 13,114 21,175	43,906 110,791 ----- 1,703	66,612 165,555 ----- 13,351 1,401		
TOTAL SHIPPING AREA-----	155,565	93,025	190,399	246,919		
ILLINOIS RIVER, ILL./ GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA.----- MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.----- MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.----- MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER----- ARKANSAS RIVER, ARK.----- WOLF RIVER, TENN.----- OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE----- TENNESSEE RIVER, TENN., ALA. AND KY.----- ILLINOIS RIVER, ILL.----- PORT OF CHICAGO, ILL.-----	6,407 1,439,565 7,248,400 ----- ----- 7,042 1,485 156,761 1,641 292,606 4,370 2,800		3,054 101,243 6,274 242,575	2,915 524,674 70,887 6,248 69,362 37,070 110,805 ----- -----		
TOTAL SHIPPING AREA-----	9,161,077	6,274	348,575	3,233,752		
BLACK RIVER, MIS./ MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.----- TENNESSEE RIVER, TENN., ALA. AND KY.-----	6,152			1,508		
TOTAL SHIPPING AREA-----	6,152			1,508		
MINNESOTA RIVER, MINN./ GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA.----- GULF INTRACOASTAL WATERWAY, PLAQUEMINES TO MORGAN CITY ROUTE, LA.----- MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.----- MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.----- MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER----- MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER----- WOLF RIVER, TENN.----- OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE----- TENNESSEE RIVER, TENN., ALA. AND KY.-----	2,909 ----- 292,073 1,230,198 2,812 1,006 75,390 ----- 114,098		1,287 92,898 282,253 1,397 1,521 19,478 2,603	1,524 262,224 849,874 1,515 20,832 1,379 29,180 14,789		
TOTAL SHIPPING AREA-----	1,718,886	2,603	471,637	1,181,277		
LAKE MICHIGAN/ GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA.----- MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	5,972 42,278		5,826 1,400			
TOTAL SHIPPING AREA-----	48,250		7,226	20,091		
PORT OF CHICAGO, ILL./ GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA.----- GALVESTON BAY, TEXAS----- MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.----- MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.----- WOLF RIVER, TENN.----- OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE----- TENNESSEE RIVER, TENN., ALA. AND KY.----- ILLINOIS RIVER, ILL.-----	114,003 228,937 1,467 7,537		68,305 60,642	2,876 1,460 3,035 3,044 1,612 12,356 1,610		
TOTAL SHIPPING AREA-----	362,331		145,643	104,829		

*Waterborne Commerce of the United States, 1988*TABLE I--DOMESTIC INLAND MOVEMENTS OF GRAINS, SOYBEANS, SUGAR AND MOLASSES--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	CORN (CODE 0103)	OTHER GRAINS (CODES 0102, 0104, 0105, 0106)	WHEAT (CODE 0107)	SOYBEANS (CODE 0111)	SUGAR (CODE 2061)	MOLASSES (CODE 2062)
LAKE SUPERIOR/ LAKE SUPERIOR-----			9,050			
LOS ANGELES AND LONG BEACH HARBORS, CALIF./ LOS ANGELES AND LONG BEACH HARBORS, CALIF.-----						74,525
SAN FRANCISCO BAY AREA/ SAN JOAQUIN RIVER, CALIF.-----						2,401
COLUMBIA RIVER/ VANCOUVER, WASH., TO THE MOUTH/ COLUMBIA RIVER/ VANCOUVER, WASH., TO THE MOUTH-----		1,000	4,775			
COLUMBIA RIVER/ ABOVE CELICO FALLS TO KENNEWICK, WASH. MILLAMETTE AND YAMHILL RIVERS, OREG.-----						12,111
TOTAL, SHIPPING AREA-----		1,000	4,775			14,570
COLUMBIA RIVER/ VANCOUVER, WASH., TO THE DALLES, OREG./ COLUMBIA RIVER/ VANCOUVER, WASH., TO THE MOUTH-----			12,922			
MILLAMETTE AND YAMHILL RIVERS, OREG.-----		11,723	110,940			
TOTAL, SHIPPING AREA-----		11,723	123,862			
COLUMBIA RIVER/ ABOVE CELICO FALLS TO KENNEWICK, WASH./ COLUMBIA RIVER/ VANCOUVER, WASH., TO THE MOUTH-----	16,564	47,903	811,042	298		
MILLAMETTE AND YAMHILL RIVERS, OREG.-----		77,103	1,009,090			
TOTAL, SHIPPING AREA-----	16,564	125,006	1,820,132	298		
MILLAMETTE AND YAMHILL RIVERS, OREG./ COLUMBIA RIVER/ VANCOUVER, WASH., TO THE MOUTH-----			17,218			
SNAKE RIVER, OREG., WASH, AND IDAHO/ COLUMBIA RIVER/ VANCOUVER, WASH., TO THE MOUTH-----		99,465	1,552,810	23		
MILLAMETTE AND YAMHILL RIVERS, OREG.-----	3,559	344,791	2,531,437	49		
TOTAL, SHIPPING AREA-----	3,559	444,256	4,084,247	72		
PUGET SOUND AND TRIBUTARY WATERS/ PUGET SOUND AND TRIBUTARY WATERS-----						31,610

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 2--DOMESTIC INLAND MOVEMENTS OF LOGS AND LUMBER
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	LOGS, POSTS, POLES, AND PILEING (CODES 2411, 2412, 2414)	FOREST PROD- UCTS, NEC. (CODES 0861, 2413, 2416)	LUMBER (CODE 2421)	WORKED WOOD (CODE 2431)	PULPWOOD (CODE 2415)
TOTAL, ALL SHIPPING AREAS-----	10,571,807	4,205,315	139,824	48,204	3,931,442
NARRAGANSETT BAY/ PORT OF BOSTON, MASS.-----	1-----	-----	-----	-----	-----
CHESAPEAKE BAY/ YORK RIVER, VA.-----	-----	218,122	-----	-----	34,427
RAPPAHANNOCK RIVER, VA./ YORK RIVER, VA.-----	-----	-----	-----	-----	18,788
ATLANTIC INTRACOASTAL WATERWAY ENGINEER DISTRICT, NORFOLK/ HAMPTON ROADS, VA.-----	-----	-----	-----	-----	120,297
ATLANTIC INTRACOASTAL WATERWAY ENGINEER DISTRICT, WILMINGTON/ ATLANTIC INTRACOASTAL WATERWAY ENGINEER DISTRICT, SAVANNAH-----	-----	-----	-----	-----	8,024
ALBEMARLE SOUND, N.C./ YORK RIVER, VA.-----	67,293	-----	-----	-----	106,228
HAMPTON ROADS, VA.-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	67,293	-----	-----	-----	106,228
CHowan River, N.C./ HAMPTON ROADS, VA.-----	-----	-----	-----	-----	41,402
Roanoke River, N.C./ YORK RIVER, VA.-----	-----	-----	-----	-----	52,917
HAMPTON ROADS, VA.-----	-----	-----	-----	-----	136,569
TOTAL, SHIPPING AREA-----	-----	-----	-----	-----	189,486
INTRACOASTAL WATERWAY, CALOOSA HATCHEE RIVER TO ANCLOTE RIVER, FLA./ ATLANTIC INTRACOASTAL WATERWAY ENGINEER DISTRICT, JACKSONVILLE-----	200	-----	-----	-----	-----
INTRACOASTAL WATERWAY, CALOOSA HATCHEE RIVER TO ANCLOTE RIVER, FLA.-----	440	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	640	-----	-----	-----	-----
WARRIOR RIVER SYSTEM/ WARRIOR RIVER SYSTEM-----	147,139	616,421	-----	-----	2,699,593
ALABAMA-COOSA RIVERS, ALA., AND GA.-----	-----	-----	-----	-----	68
GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	256,396	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY, CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	1,384	-----	-----	-----	-----
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	1,333	-----	-----	-----	-----
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	3,821	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA., AND KY.-----	44,319	-----	-----	-----	-----
MONONGAHELA RIVER, PA., AND W.VA.-----	-----	-----	1,278	-----	-----
TOTAL, SHIPPING AREA-----	152,344	918,469	-----	1,278	2,699,661
ALABAMA-COOSA RIVERS, ALA., AND GA./ WARRIOR RIVER SYSTEM-----	-----	-----	-----	-----	663,481
ALABAMA-COOSA RIVERS, ALA., AND GA.-----	-----	-----	-----	-----	5,568
TOTAL, SHIPPING AREA-----	-----	-----	-----	-----	667,049
GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA./ GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	100	-----	-----	-----	-----
INNERHARBOR NAVIGATION CANAL, LA./ OHIO RIVER ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	-----	1,020	-----
GULF INTRACOASTAL WATERWAY, MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX./ GULF OF MEXICO-----	687	-----	60	-----	-----
GULF INTRACOASTAL WATERWAY, MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	272	-----	5	-----	-----
TOTAL, SHIPPING AREA-----	959	-----	65	-----	-----
SABINE-NECHES WATERWAY, TEXAS/ GULF INTRACOASTAL WATERWAY, SABINE RIVER TO GALVESTON, TEXAS-----	-----	-----	-----	533	-----
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	-----	-----	8,836	-----
TOTAL, SHIPPING AREA-----	-----	-----	-----	9,369	-----
GULF INTRACOASTAL WATERWAY, SABINE RIVER TO GALVESTON, TEXAS/ MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	-----	-----	533	-----
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES/ WARRIOR RIVER SYSTEM-----	-----	-----	1,813	-----	-----
CALVESTON BAY, TEXAS-----	400	-----	-----	-----	-----
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	3,048	-----	-----	-----	-----
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	2,480	-----	-----	-----	-----
PORT OF CHICAGO, ILL.-----	-----	-----	3,514	-----	-----
TOTAL, SHIPPING AREA-----	5,524	400	1,813	3,514	-----
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA./ TENNESSEE RIVER, TENN., ALA., AND KY.-----	1,380	-----	-----	-----	-----

Waterborne Commerce of the United States, 1988

TABLE 2--DOMESTIC INLAND MOVEMENTS OF LOGS AND LUMBER--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	LOGS, POSTS, POLES, AND PILING (CODES 2411, 2412, 2414)	FOREST PROD. UCIS, NEC (CODES 0861, 2421, 2415)	LUMBER (CODE 2421)	WORKED WOOD (CODE 2431)	PULPWOOD (CODE 2415)
MISSISSIPPI RIVER! MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA./ MISSISSIPPI RIVER! NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	-----	-----	1,048	-----
MISSISSIPPI RIVER! MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	5,146	-----
YAZOO RIVER AND MOUTH, MISS.-----	131,304	-----	-----	-----	-----
OHIO RIVER! ENGINEER DISTRICT, HUNTINGTON-----	-----	-----	1,290	1,297	-----
OHIO RIVER! ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	10,686	15,284	-----
MONONGAHELA RIVER, PA. AND W.VA.-----	-----	-----	26,036	3,021	-----
ILLINOIS RIVER, ILL.-----	-----	-----	2,347	-----	-----
PORT OF CHICAGO, ILL.-----	-----	-----	17,036	1,274	-----
TOTAL, SHIPPING AREA-----	131,304	-----	57,395	27,070	-----
MISSISSIPPI RIVER! MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER/ MISSISSIPPI RIVER! NEW ORLEANS, LA., TO MOUTH OF PASSES-----	8,087	-----	4,560	-----	-----
MISSISSIPPI RIVER! MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER/ MISSISSIPPI RIVER! MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	3,854	-----	1,300	-----	-----
ILLINOIS RIVER, ILL.-----	-----	1,300	-----	-----	-----
TOTAL, SHIPPING AREA-----	3,854	1,300	-----	-----	-----
ARKANSAS RIVER, ARK./ MISSISSIPPI RIVER! NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	-----	-----	236	-----
YAZOO RIVER AND MOUTH, MISS.-----	3,810	-----	-----	-----	-----
OHIO RIVER! ENGINEER DISTRICT, HUNTINGTON-----	-----	-----	1,586	-----	-----
OHIO RIVER! ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	1,488	3,992	-----
MONONGAHELA RIVER, PA. AND W.VA.-----	-----	-----	-----	1,151	-----
ILLINOIS RIVER, ILL.-----	-----	1,250	-----	-----	-----
TOTAL, SHIPPING AREA-----	3,810	1,250	3,074	5,379	-----
OHIO RIVER! ENGINEER DISTRICT, LOUISVILLE/ WARRIOR RIVER SYSTEM-----	1,475	-----	-----	-----	-----
MISSISSIPPI RIVER! NEW ORLEANS, LA., TO MOUTH OF PASSES-----	4,915	-----	362	-----	-----
TOTAL, SHIPPING AREA-----	6,390	-----	362	-----	-----
OHIO RIVER! ENGINEER DISTRICT, HUNTINGTON/ MISSISSIPPI RIVER! NEW ORLEANS, LA., TO MOUTH OF PASSES-----	3,053	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY./ WARRIOR RIVER SYSTEM-----	3,300	-----	-----	-----	-----
MISSISSIPPI RIVER! NEW ORLEANS, LA., TO MOUTH OF PASSES-----	5,811	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.-----	103,312	393,491	-----	-----	4,360
TOTAL, SHIPPING AREA-----	112,623	393,491	-----	-----	4,380
LAKE SUPERIOR/ LAKE SUPERIOR-----	-----	-----	9	-----	-----
LOS ANGELES AND LONG BEACH HARBORS, CALIF./ LOS ANGELES AND LONG BEACH HARBORS, CALIF.-----	-----	88,739	9,202	-----	-----
COOS BAY, OREG./ COOS BAY, OREG.-----	450,060	-----	-----	-----	-----
COOS AND MILLICOMA RIVERS, OREG.-----	1,774	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	451,834	-----	-----	-----	-----
COOS AND MILLICOMA RIVERS, OREG./ COOS BAY, OREG.-----	691,891	-----	-----	-----	-----
SUSTRAL RIVER, OREG./ SUSTRAL RIVER, OREG.-----	91,842	-----	-----	-----	-----
COLUMBIA RIVER! AT BAKER BAY, WASH./ COLUMBIA RIVER! VANCOUVER, WASH., TO THE MOUTH-----	1,300	-----	-----	-----	-----
COLUMBIA RIVER! VANCOUVER, WASH., TO THE MOUTH/	-----	-----	-----	-----	-----
COLUMBIA RIVER! AT BAKER BAY, WASH.-----	800	-----	-----	-----	-----
COLUMBIA RIVER! VANCOUVER, WASH., TO THE MOUTH-----	138,399	90,490	39,600	-----	-----
COLUMBIA RIVER! VANCOUVER, WASH., TO THE DALLES, OREG.-----	10,057	52,941	-----	-----	-----
WILLAMETTE AND YAMHILL RIVERS, OREG.-----	-----	-----	3,793	-----	-----
SNAKE RIVER, OREG., WASH. AND IDAHO-----	1,416	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	150,672	143,431	43,393	-----	-----
COLUMBIA RIVER! VANCOUVER, WASH., TO THE DALLES, OREG./ COLUMBIA RIVER! VANCOUVER, WASH., TO THE MOUTH-----	5,622	491,687	-----	-----	-----
COLUMBIA RIVER! VANCOUVER, WASH., TO THE DALLES, OREG.-----	577,294	215,597	-----	-----	-----
WILLAMETTE AND YAMHILL RIVERS, OREG.-----	3,361	-----	-----	-----	-----
SNAKE RIVER, OREG., WASH. AND IDAHO-----	-----	17,400	3,000	-----	-----
TOTAL, SHIPPING AREA-----	586,277	724,684	3,000	-----	-----
COLUMBIA RIVER! ABOVE CELICO FALLS TO KENNEWICK, WASH./ COLUMBIA RIVER! VANCOUVER, WASH., TO THE MOUTH-----	-----	369,158	-----	-----	-----
COLUMBIA RIVER! VANCOUVER, WASH., TO THE DALLES, OREG.-----	13,458	42,962	-----	-----	-----
WILLAMETTE AND YAMHILL RIVERS, OREG.-----	5,181	-----	4,100	-----	-----
TOTAL, SHIPPING AREA-----	18,639	412,116	4,100	-----	-----

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 2--DOMESTIC INLAND MOVEMENTS OF LOGS AND LUMBER--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	LOGS, POSTS, POLES, AND PILEING	FOREST PROD- UCTS, NEC (CODES 2411, 2412, 2414)	LUMBER (CODE 2421)	WORKED WOOD (CODE 2431)	PULPWOOD (CODE 2415)
WILLAMETTE AND YAMHILL RIVERS, OREG./ COLUMBIA RIVER: VANCOUVER, WASH., TO THE MOUTH-----	-----	206,253	-----	-----	-----
COLUMBIA RIVER: VANCOUVER, WASH., TO THE DALLES, OREG.-----	-----	156,786	-----	-----	-----
WILLAMETTE AND YAMHILL RIVERS, OREG.-----	8,959	500	-----	-----	-----
SNAKE RIVER, OREG., WASH., AND IDAHO-----	-----	1,000	-----	-----	-----
TOTAL, SHIPPING AREA-----	8,959	364,530	-----	-----	-----
SNAKE RIVER, OREG., WASH., AND IDAHO/ COLUMBIA RIVER: VANCOUVER, WASH., TO THE MOUTH-----	123,607	149,015	4,274	-----	-----
COLUMBIA RIVER: VANCOUVER, WASH., TO THE DALLES, OREG.-----	69,985	-----	1,416	-----	-----
WILLAMETTE AND YAMHILL RIVERS, OREG.-----	8,404	1,000	28	-----	-----
SNAKE RIVER, OREG., WASH., AND IDAHO-----	1,600	3,200	2,000	-----	-----
TOTAL, SHIPPING AREA-----	203,596	153,215	7,718	-----	-----
COEUR D'ALENE LAKE/ COLUMBIA RIVER: WENATCHEE, WASH., TO INTERNATIONAL BOUNDARY-----	236,559	-----	-----	-----	-----
COEUR D'ALENE LAKE-----	230,535	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	467,094	-----	-----	-----	-----
PUGET SOUND AND TRIBUTARY WATERS/ PUGET SOUND AND TRIBUTARY WATERS-----	7,247,311	398,047	2,082	1	-----
LOWER & UPPER SOUTHEAST ALASKA/ LOWER & UPPER SOUTHEAST ALASKA-----	222,509	320,210	2,830	40	41,700
ALASKA PENINSULA/ ALASKA PENINSULA-----	124	-----	221	-----	-----

Waterborne Commerce of the United States, 1988

TABLE 3--DOMESTIC: INLAND MOVEMENTS OF COAL AND LIGNITE (CODE 1121)
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	TONS
TOTAL, ALL SHIPPING AREAS-----	166,509,339
BALTIMORE HARBOR AND CHANNELS, MD./ DELAWARE RIVER, PENNSYLVANIA AND DELAWARE SIDE-----	31,863
BALTIMORE HARBOR AND CHANNELS, MD.-----	2,179,351
TOTAL, SHIPPING AREA-----	2,211,214
HAMPTON Roads, VA./ DELAWARE RIVER, NEW JERSEY SIDE-----	859,109
BALTIMORE HARBOR AND CHANNELS, MD.-----	1,021,310
TOTAL, SHIPPING AREA-----	1,880,419
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA., AND FLA./ WARRIOR RIVER SYSTEM-----	1,500
WARRIOR RIVER SYSTEM/ GULF INTRACOASTAL WATERWAY, APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	59,600
ESCAMBIA AND CONECAH RIVERS, FLA., AND ALA.-----	44,700
WARRIOR RIVER SYSTEM-----	9,033,771
GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	18,957
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	327,185
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	76,048
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE-----	80,603
TENNESSEE RIVER, TENN., ALA. AND KY.-----	53,900
TOTAL, SHIPPING AREA-----	9,694,761
GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA./ MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	30,800
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES/ WARRIOR RIVER SYSTEM-----	5,182
GALVESTON BAY, TEXAS-----	3,862
KANAWHA RIVER, W. VA.-----	1,383
TOTAL, SHIPPING AREA-----	10,427
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA./ MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	10,805
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE-----	15,468
OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH-----	12,1601
CUMBERLAND RIVER, TENN. AND KY.-----	4,125
MONONGAHELA RIVER, PA. AND W. VA.-----	1,400
PORT OF CHICAGO, ILL.-----	1,400
TOTAL, SHIPPING AREA-----	34,799
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA./ MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	2,325
WOLF RIVER, TENN.-----	1,624
TOTAL, SHIPPING AREA-----	3,949
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER/ PEARL RIVER, MISS., AND LA.-----	29,302
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	1,567,413
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	1,622
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	6,766,016
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	602,175
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	1,836,667
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	1,639,289
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	433,007
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	21,374
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	12,425
TOTAL, SHIPPING AREA-----	13,289,290
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER/ MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	2,947
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	4,279
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	1,765,740
TOTAL, SHIPPING AREA-----	1,770,966
ARKANSAS RIVER, ARK./ MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	75,749
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	7,342
ILLINOIS RIVER, ILL.-----	1,515
PORT OF CHICAGO, ILL.-----	1,400
TOTAL, SHIPPING AREA-----	86,004
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE/ GULF INTRACOASTAL WATERWAY, APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	2,691,693
ESCAMBIA AND CONECAH RIVERS, FLA., AND ALA.-----	1,821,083
WARRIOR RIVER SYSTEM-----	165,419
GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	1,091,488
PEARL RIVER, MISS., AND LA.-----	72,025
LAKE PONTCHARTRAIN, LA.-----	37,213
GALVESTON BAY, TEXAS-----	1,478
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	8,098,879
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	574,471
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	18,090

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 3--DOMESTIC INLAND MOVEMENTS OF COAL AND LIGNITE (CODE 1121)--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) /	RECEIVING AREA	TONS
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--		118,409
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER--		1,697,382
ARKANSAS RIVER, ARK.		972
WOLF RIVER, TENN.--		888,912
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE--		10,017,910
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON--		300,334
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH--		435
TENNESSEE RIVER, TENN., ALA, AND KY.--		558,278
CUMBERLAND RIVER, TENN, AND KY.--		5,191,576
GREEN AND BARREN RIVERS, KY.--		212,650
BIG SANDY RIVER, KY, AND W.VA.--		4,629
MONONGAHELA RIVER, PA, AND W.VA.--		18,321
ILLINOIS RIVER, ILL.--		914,150
PORT OF CHICAGO, ILL.--		219,453
TOTAL, SHIPPING AREA-----		30,715,252
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON/		
WARRIOR RIVER SYSTEM--		177,552
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.--		3,216
INNERHARBOR NAVIGATION CANAL, LA.--		1,771
GULF INTRACOASTAL WATERWAY: PLAQUEMINES TO MORGAN CITY ROUTE, LA.--		1,600
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES--		2,177,881
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.--		756,619
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.--		290,424
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--		637,162
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER--		304,032
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE--		4,067,447
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON--		5,118,629
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH--		2,674,230
TENNESSEE RIVER, TENN., ALA, AND KY.--		1,727,442
CUMBERLAND RIVER, TENN, AND KY.--		1,600
BIG SANDY RIVER, KY, AND W.VA.--		2,946
KANAWHA RIVER, W.VA.--		5,676
MONONGAHELA RIVER, PA, AND W.VA.--		5,507,140
ALLEgheny RIVER, PA.--		1,765
ILLINOIS RIVER, ILL.--		87,778
PORT OF CHICAGO, ILL.--		1,037,417
TOTAL, SHIPPING AREA-----		24,582,327
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH/		
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES--		166,500
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.--		15,400
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--		1,567
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER--		5,720
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE--		499,944
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON--		2,492,380
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH--		6,890,431
TENNESSEE RIVER, TENN., ALA, AND KY.--		2,580,042
MONONGAHELA RIVER, PA, AND W.VA.--		103,744
ALLEgheny RIVER, PA.--		150,672
PORT OF CHICAGO, ILL.--		3,111
TOTAL, SHIPPING AREA-----		12,909,511
TENNESSEE RIVER, TENN., ALA, AND KY./		
GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.--		252,533
ESCAMBIA AND CONECUCH RIVERS, FLA, AND ALA.--		472,353
WARRIOR RIVER SYSTEM--		273,025
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.--		743,672
PEARL RIVER, MISS, AND LA.--		1,507
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES--		859,983
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.--		47,132
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.--		1,400
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--		1,502
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER--		240,223
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE--		3,321
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON--		1,458
TENNESSEE RIVER, TENN., ALA, AND KY.--		6,275,065
CUMBERLAND RIVER, TENN, AND KY.--		317,706
ALLEgheny RIVER, PA.--		1,437
ILLINOIS RIVER, ILL.--		61,033
PORT OF CHICAGO, ILL.--		1,600
TOTAL, SHIPPING AREA-----		9,552,950
CUMBERLAND RIVER, TENN, AND KY./		
CUMBERLAND RIVER, TENN, AND KY.--		106,500
GREEN AND BARREN RIVERS, KY./		
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES--		992,979
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.--		4,340
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER--		82,270
WOLF RIVER, TENN.--		580,024
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE--		5,033,331
CUMBERLAND RIVER, TENN, AND KY.--		216,856
TOTAL, SHIPPING AREA-----		6,909,800
BIG SANDY RIVER, KY, AND W.VA./		
WARRIOR RIVER SYSTEM--		49,132
PEARL RIVER, MISS, AND LA.--		1,559
INNERHARBOR NAVIGATION CANAL, LA.--		4,239
GULF INTRACOASTAL WATERWAY: PLAQUEMINES TO MORGAN CITY ROUTE, LA.--		20,335

Waterborne Commerce of the United States, 1988

TABLE 3--DOMESTIC INLAND MOVEMENTS OF COAL AND LIGNITE (CODE 1121)--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	TONS
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----	1,260,802
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA-----	895,374
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA-----	139,199
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	120,449
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	169,612
WOLF RIVER, TENN.-----	1,400
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-----	3,027,105
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON-----	2,030,179
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH-----	534,929
TENNESSEE RIVER, TENN., ALA. AND KY.-----	60,943
KANAWHA RIVER, W. VA.-----	7,641
MONONGAHELA RIVER, PA. AND W. VA.-----	21,726
ALLEgheny RIVER, PA.-----	12,073
ILLINOIS RIVER, ILL.-----	39,440
PORT OF CHICAGO, ILL.-----	136,599
TOTAL, SHIPPING AREA-----	10,260,736
KANAWHA RIVER, W. VA./ WARRIOR RIVER SYSTEM-----	66,013
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	6,237
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----	1,705,672
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA-----	1,131,226
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	98,701
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	75,480
ARKANSAS RIVER, ARK.-----	11,553
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-----	1,324,560
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON-----	5,098,044
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH-----	2,950,614
TENNESSEE RIVER, TENN., ALA. AND KY.-----	43,058
BIG SANDY RIVER, KY. AND W. VA.-----	3,336
KANAWHA RIVER, W. VA.-----	106,700
MONONGAHELA RIVER, PA. AND W. VA.-----	781,826
ALLEgheny RIVER, PA.-----	34,345
ILLINOIS RIVER, ILL.-----	1,428
PORT OF CHICAGO, ILL.-----	7,729
TOTAL, SHIPPING AREA-----	13,887,522
MONONGAHELA RIVER, PA. AND W. VA./ GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	11,744
ESCAMBIA AND CONECAU RIVERS, FLA. AND ALA.-----	23,762
GALVESTON BAY, TEXAS-----	2,922
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----	884,060
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	7,400
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-----	222,712
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON-----	1,203,724
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH-----	4,317,212
TENNESSEE RIVER, TENN., ALA. AND KY.-----	409,447
CUMBERLAND RIVER, TENN. AND KY.-----	329,766
KANAWHA RIVER, W. VA.-----	2,955
MONONGAHELA RIVER, PA. AND W. VA.-----	18,433,488
ALLEgheny RIVER, PA.-----	544,657
ILLINOIS RIVER, ILL.-----	26,636
TOTAL, SHIPPING AREA-----	26,420,685
ALLEgheny RIVER, PA./ MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	1,417
ILLINOIS RIVER, ILL./ PORT OF CHICAGO, ILL.-----	2,546,631
PORT OF CHICAGO, ILL./ MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----	1,429
PORT OF CHICAGO, ILL.-----	450
TOTAL, SHIPPING AREA-----	1,879

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1966

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE: (CODE: 2911)	DISTILLATE FUEL OIL: (CODE: 2914)	CRUDE PETROLEUM: (CODE: 1311)	JET FUEL: (CODE: 2912)	KEROSENE: (CODE: 2913)	RESIDUAL FUEL OIL: (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
TOTAL ALL SHIPPING AREAS	30,691,525	30,630,438	48,237,963	5,532,304	1,077,164	56,771,296	6,827,172	3,097,992	11,460,952
PENOBSCOT RIVER, MAINE/ PENOBSCOT RIVER, MAINE		18,560							
PORTLAND HARBOR, MAINE/ PORTLAND HARBOR, MAINE	12,069	28,877				11,136			
GLoucester Harbor, Mass./ Gloucester Harbor, Mass.		10,817			1,572			94	
PORT OF BOSTON, MASS./ PORT OF BOSTON, MASS.	141,356	227,104		7,159	8,621	246,697			
NARRAGANSETT BAY/ NARRAGANSETT BAY		69,988						2,279	
PROVIDENCE RIVER AND HARBOR, R.I.	4,504	17,706				3,364			
TOTAL SHIPPING AREA	4,504	87,694				3,364		2,279	
PROVIDENCE RIVER AND HARBOR, R.I./ NARRAGANSETT BAY	1,867	20,913				4,304			
PROVIDENCE RIVER AND HARBOR, R.I.	14,509	7,636				1,525			
TOTAL SHIPPING AREA	16,376	28,549				5,829			
THAMES RIVER, CONN./ THAMES RIVER, CONN.		3,800				30,751			
LONG ISLAND SOUND, N.Y./ LONG ISLAND SOUND, N.Y.	29,008	22,923				7,799			
PORT OF NEW YORK, N.Y. AND N.J./ PORT OF NEW YORK, N.Y. AND N.J.	7,035,173	7,897,227	645,130	181,058	202,943	6,552,180	243,425	16,594	232,281
UPPER HUDSON RIVER, N.Y.	3,524,918	1,949,828	176,901	113,095	193,337	2,067,890	98,804		105,365
NEW YORK STATE BARGE CANAL									26,566
LAKE CHAMPLAIN, N.Y. AND VT.	33,891	1,013			3,751				
TOTAL SHIPPING AREA	10,593,982	9,848,068	822,031	297,904	396,280	8,620,070	342,229	16,594	364,212
UPPER HUDSON RIVER, N.Y./ PORT OF NEW YORK, N.Y. AND N.J.	2,988	54,417		38,874		5,409	10,047		55,444
UPPER HUDSON RIVER, N.Y.	2,291	47,530		1,466	1,088	40,635			11,272
LAKE CHAMPLAIN, N.Y. AND VT.	81,647	18,842		98,771	921				
TOTAL SHIPPING AREA	86,926	120,789		139,131	2,409	57,503	10,047		66,718
DELAWARE RIVER, NEW JERSEY SIDE/ DELAWARE RIVER, NEW JERSEY SIDE	34,441	190,257	22,770	15,035	14,312	495,958	48,158		23,576
DELAWARE RIVER, PENNSYLVANIA AND DELAWARE SIDE	53,430	106,695		15,698		726,899	7,064		13,296
MANTUA CREEK, N.J.						1,103			
CHRISTINA RIVER, DEL.		46,220				154,443	9,061		
SCHUYLKILL RIVER, PA.	121,398	233,915		3,525	17,568	284,546	29,559	17,722	
CHESAPEAKE BAY	17,119	2,294			3,004				
NANTICOKE RIVER, DEL. AND MD.						32,177			15,772
BALTIMORE HARBOR AND CHANNELS, MD.	74,182	48,687	13,041			72,198		4,466	86,319
POTOMAC RIVER AND TRIBUTARIES		17,745				52,757			23,189
YORK RIVER, VA.						14,108			
JAMES RIVER, VA.									20,238
HAMPTON ROADS, VA.						20,140			75,675
CAPE FEAR RIVER, N.C.									10,014
TOTAL SHIPPING AREA	300,570	645,813	36,211	34,258	34,884	1,854,329	93,842	22,188	268,079
DELAWARE RIVER, PENNSYLVANIA AND DELAWARE SIDE									
DELAWARE RIVER, NEW JERSEY SIDE/ DELAWARE RIVER, PENNSYLVANIA AND DELAWARE SIDE	213,834	342,567	1,797,458	255,746	3,742	668,546		5,473	
MISPILLION RIVER, DEL.	518,008	266,233	11,218,111		209,547	1,532	280,942		5,085
CHRISTINA RIVER, DEL.		151,758				1,460	221,091		502
SCHUYLKILL RIVER, PA.	250,350	215,631			7,834	337,277			7,020
CHESAPEAKE BAY	126,565	17,839							
NANTICOKE RIVER, DEL. AND MD.	792	3,830				13,521			
BALTIMORE HARBOR AND CHANNELS, MD.	491,936	50,391	10,415	3,561	45,519	136,025			
POTOMAC RIVER AND TRIBUTARIES				131,611		156,706			
YORK RIVER, VA.				126,519					
JAMES RIVER, VA.	2,820			1,671		7,021			
HAMPTON ROADS, VA.	12,446	85,354		22,920		77,218			
TOTAL SHIPPING AREA	1,616,751	1,133,603	13,025,980	751,575	59,684	1,898,347		18,080	

Waterborne Commerce of the United States, 1988

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
CHRISTINA RIVER, DEL./ DELAWARE RIVER, NEW JERSEY SIDE			851				46,689	9,113	
DELAWARE RIVER, PENNSYLVANIA AND DELAWARE SIDE		2,319					104,149		1,419
CHRISTINA RIVER, DEL.							25,600		
SCHUYLKILL RIVER, PA.		3,800					33,680		
BALTIMORE HARBOR AND CHANNELS, MD.							6,372		
TOTAL, SHIPPING AREA		6,119	851				216,490	9,113	1,419
SCHUYLKILL RIVER, PA./ DELAWARE RIVER, NEW JERSEY SIDE	16,619	221,445	22,334	781	1,579	293,062	55,127		76,234
DELAWARE RIVER, PENNSYLVANIA AND DELAWARE SIDE	16,487	128,863		14,235	1,561	476,790	17,179		
COMANSEY RIVER, NJ.		5,392							
CHRISTINA RIVER, DEL.		21,379					5,631	123,923	
SCHUYLKILL RIVER, PA.	182,582	64,214		2,295	3,252	113,723	15,742		1,116
CHESAPEAKE BAY	31,282								
NANTICOKE RIVER, DEL., AND MD.							65,166		1,563
BALTIMORE HARBOR AND CHANNELS, MD.	87,161	3,802		3,071			12,027	2,183	176,241
POTOMAC RIVER AND TRIBUTARIES									51,681
YORK RIVER, VA.		22,843							
JAMES RIVER, VA.									23,816
HAMPTON ROADS, VA.		6,068					22,790		16,929
TOTAL, SHIPPING AREA	338,131	474,026	22,334	20,382	12,023	1,107,481	90,231		347,580
CHESAPEAKE BAY/ DELAWARE RIVER, NEW JERSEY SIDE							10,223		
DELAWARE RIVER, PENNSYLVANIA AND DELAWARE SIDE							13,224		
BALTIMORE HARBOR AND CHANNELS, MD.		21,079					56,723		
HAMPTON ROADS, VA.		7,082							
TOTAL, SHIPPING AREA		28,161					80,170		
BALTIMORE HARBOR AND CHANNELS, MD./ DELAWARE RIVER, NEW JERSEY SIDE				4,261	4,179	16,348			
DELAWARE RIVER, PENNSYLVANIA AND DELAWARE SIDE	2,150	7,082					8,074		
SCHUYLKILL RIVER, PA.	14,406						8,629		30,650
CHESAPEAKE BAY	111,412	45,527					3,633	26,303	
NANTICOKE RIVER, DEL., AND MD.		10,695					41,016		
CHESTER RIVER, MD.		1,372							
BALTIMORE HARBOR AND CHANNELS, MD.		98,787					2,095	949,679	9,427
POTOMAC RIVER AND TRIBUTARIES		38,230							
JAMES RIVER, VA.	11,152	16,021		1,671			36,620		20,396
HAMPTON ROADS, VA.	9,053	4,354					4,282	23,992	
TOTAL, SHIPPING AREA	148,173	222,268		5,952	14,189	1,110,661		9,427	59,046
POTOMAC RIVER AND TRIBUTARIES/ DELAWARE RIVER, NEW JERSEY SIDE				26,891					545
CHESAPEAKE BAY		7,740		43,952				9,951	
NANTICOKE RIVER, DEL., AND MD.								22,909	2,238
BALTIMORE HARBOR AND CHANNELS, MD.		75,107						23,459	
POTOMAC RIVER AND TRIBUTARIES		193,821		156,973				170,582	11,272
YORK RIVER, VA.		767							16,147
JAMES RIVER, VA.	2,003							2,063	
HAMPTON ROADS, VA.		1,827		24,067					7,288
TOTAL, SHIPPING AREA	2,003	279,286		253,883				229,364	37,488
YORK RIVER, VA./ DELAWARE RIVER, NEW JERSEY SIDE		23,335							
DELAWARE RIVER, PENNSYLVANIA AND DELAWARE SIDE		16,200							
CHRISTINA RIVER, DEL.		42,937							
SCHUYLKILL RIVER, PA.	274,266	85,341							
CHESAPEAKE BAY	39,040	9,264						5,470	
BALTIMORE HARBOR AND CHANNELS, MD.	478,764	81,839							
POTOMAC RIVER AND TRIBUTARIES		13,331						285,587	
HAMPTON ROADS, VA.	165,320	75,222		130,745				29,198	
TOTAL, SHIPPING AREA	957,390	347,469		130,745				320,255	
JAMES RIVER, VA./ SCHUYLKILL RIVER, PA.	3,823								
CHESAPEAKE BAY	53,822	12,314						2,131	12,050
HAMPTON ROADS, VA.	79,766	173,190						3,969	35,922
TOTAL, SHIPPING AREA	137,411	185,504						6,100	47,972

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES. (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
HAMPTON ROADS, VA./ DELAWARE RIVER; NEW JERSEY SIDE/ DELAWARE RIVER; PENNSYLVANIA AND DELAWARE SIDE-----	-----	-----	3,817	4,688	-----	-----	6,268	-----	-----
CHRISTINA RIVER, DEL.-----	-----	13,007	-----	-----	-----	-----	-----	-----	-----
SCHUYLKILL RIVER, PA.-----	-----	3,744	-----	3,446	-----	22,056	-----	-----	-----
CHESAPEAKE BAY-----	173,417	223,937	-----	-----	2,634	50,103	15	-----	-----
MANTICOKE RIVER, DEL. AND MD.-----	-----	27,227	-----	-----	-----	19,094	-----	-----	-----
BALTIMORE HARBOR AND CHANNELS, MD.-----	-----	17,623	8,978	-----	-----	60,122	-----	-----	-----
POTOMAC RIVER AND TRIBUTARIES-----	-----	62,593	-----	-----	-----	21,988	-----	3	-----
YORK RIVER, VA.-----	1,069	9,429	27,576	-----	-----	141,962	-----	146	-----
JAMES RIVER, VA.-----	5,141	2,265	-----	-----	-----	280,922	-----	-----	-----
HAMPTON ROADS, VA.-----	-----	349,219	-----	30,786	2,857	930,700	-----	8,417	3,221
ATLANTIC INTRACOASTAL WATERWAY/ GREAT BRIDGE LOCK ROUTE-----	-----	-----	-----	197,310	-----	-----	-----	-----	-----
ROANOKE RIVER, N.C.-----	-----	-----	-----	-----	-----	41,599	-----	-----	-----
CAPE FEAR RIVER, N.C.-----	-----	10,339	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	179,627	723,200	41,242	251,542	5,691	1,574,814	-----	4,581	3,221
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, WILMINGTON/ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, WILMINGTON-----	-----	-----	-----	-----	-----	15,892	-----	-----	-----
PAMLICO AND TAR RIVERS, N.C.-----	-----	-----	-----	3,409	-----	10,350	-----	-----	-----
NEUSE RIVER, N.C.-----	1,692	-----	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	1,692	-----	-----	3,409	-----	26,242	-----	-----	-----
CAPE FEAR RIVER, N.C.-----	-----	-----	-----	-----	-----	10,746	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, WILMINGTON-----	-----	-----	-----	-----	-----	1,573	-----	-----	-----
PAMLICO AND TAR RIVERS, N.C.-----	-----	-----	-----	-----	-----	45,227	-----	-----	-----
NEUSE RIVER, N.C.-----	-----	-----	-----	-----	-----	163,166	-----	-----	-----
CAPE FEAR RIVER, N.C.-----	5,622	-----	-----	-----	-----	-----	-----	-----	-----
NORTHEAST (CAPE FEAR) RIVER, N.C.-----	-----	30,552	-----	-----	-----	131,924	-----	-----	-----
SAVANNAH RIVER, GA.-----	-----	-----	-----	-----	-----	1,931	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	36,174	-----	-----	-----	354,567	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON/ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON-----	-----	-----	2,078	26,148	-----	117,437	-----	-----	-----
SAVANNAH RIVER, GA.-----	-----	-----	-----	-----	-----	661	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	2,078	-----	26,148	-----	118,098	-----	-----	-----
SAVANNAH RIVER, GA./ HAMPTON ROADS, VA.-----	-----	-----	-----	-----	-----	-----	-----	7,550	-----
PAMLICO AND TAR RIVERS, N.C.-----	-----	-----	-----	-----	-----	4,416	-----	-----	-----
CAPE FEAR RIVER, N.C.-----	1,206	-----	-----	-----	-----	1,755	2,017	4,466	-----
NORTHEAST (CAPE FEAR) RIVER, N.C.-----	-----	-----	-----	-----	-----	1,100	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON-----	-----	634	-----	53,480	-----	1,988	-----	15,394	-----
SAVANNAH RIVER, GA.-----	57,839	22,947	-----	3,216	-----	122,611	-----	22,983	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, SAVANNAH-----	-----	-----	-----	-----	-----	462	-----	-----	-----
ST. JOHNS RIVER, FLA.-----	2,290	-----	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	59,729	24,687	-----	56,696	-----	132,312	2,017	50,393	-----
ST. JOHNS RIVER, FLA./ CAPE FEAR RIVER, N.C.-----	-----	19,841	-----	-----	-----	-----	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, CHARLESTON-----	24,824	3,171	-----	-----	-----	-----	-----	-----	-----
SAVANNAH RIVER, GA.-----	2,402	25,637	-----	-----	-----	-----	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, SAVANNAH-----	-----	1,084	-----	193,433	-----	168,773	-----	-----	-----
ST. JOHNS RIVER, FLA.-----	42,407	97,231	-----	193,433	-----	768,411	-----	-----	-----
TOTAL, SHIPPING AREA-----	69,713	146,964	-----	193,433	-----	937,184	-----	-----	-----
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, JACKSONVILLE/ ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, JACKSONVILLE-----	-----	5,047	-----	-----	-----	442,326	-----	-----	-----
INTRACOASTAL WATERWAY, CALOOSA-HATCHEE RIVER TO ANCLOTE RIVER, FLA.-----	-----	37,129	-----	-----	-----	563,507	-----	-----	-----
OKEECHOBEE WATERWAY, FLA.-----	-----	7,896	-----	-----	-----	106,153	-----	6,128	1,875
INTRACOASTAL WATERWAY, CALOOSA-HATCHEE RIVER TO ANCLOTE: RIVER, FLA.-----	6,809	45,025	-----	-----	-----	669,660	-----	6,128	1,875
TOTAL, SHIPPING AREA-----	6,809	45,025	-----	-----	-----	669,660	-----	6,128	1,875

Waterborne Commerce of the United States, 1988

TABLE 4--DOMESTIC: INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED:
SHIPPING AREA BY RECEIVING AREA:

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
GULF INTRACOASTAL WATERWAY; APALACHEE BAY, FLA., TO MOBILE BAY, ALA.				24,088					
GULF INTRACOASTAL WATERWAY; APALACHEE BAY, FLA., TO MOBILE BAY, ALA.		6,499							
WARRIOR RIVER SYSTEM-----									
GULF INTRACOASTAL WATERWAY; MOBILE BAY, ALA., TO NEW ORLEANS, LA.	1,946	1,772		5,404		13,941			
GALVESTON BAY, TEXAS-----		3,102							
MISSISSIPPI RIVER; NEW ORLEANS, LA., TO MOUTH OF PASSES; MISSISSIPPI RIVER; BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.								1,575	
TOTAL, SHIPPING AREA-----	1,946	11,373		29,492		13,941		1,575	
GULF OF MEXICO-----									
GULF OF MEXICO-----		199,827	690						
WARRIOR RIVER SYSTEM-----		550							
GULF INTRACOASTAL WATERWAY; MOBILE BAY, ALA., TO NEW ORLEANS, LA.		653	6,439						59,702
WATERWAY FROM EMPIRE, LA., TO GULF OF MEXICO-----		102							
GULF INTRACOASTAL WATERWAY; MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.		27,562	569,574	267					
GULF INTRACOASTAL WATERWAY; PLAQUEMINE TO MORGAN CITY ROUTE, LA.				40,774					
ATCHAFALAYA RIVER, LA.				5,270					
CALCASIEU RIVER AND PASS, LA.		47,796	378,529						
SABINE-NECHES WATERWAY, TEXAS	9,174	10,334	427,235						
GALVESTON BAY, TEXAS-----			198,417						553
MISSISSIPPI RIVER; NEW ORLEANS, LA., TO MOUTH OF PASSES; MISSISSIPPI RIVER; BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	2,576	1,662	606,081						231,603
MISSISSIPPI RIVER; MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	50,269	251	258,269						4,703
MISSISSIPPI RIVER; MINNEAPOLIS, Minn., TO MOUTH OF MISSOURI RIVER-----	17,005								16,157
PORT OF CHICAGO, ILL.-----	16,367								
TOTAL, SHIPPING AREA-----	100,160	245,737	2,491,238	267					312,718
WARRIOR RIVER SYSTEM-----									
GULF INTRACOASTAL WATERWAY; APALACHEE BAY, FLA., TO MOBILE BAY, ALA.	198,635	78,137				32,242			53,694
APALACHICOLA, CHATTANOOCHEE AND FLINT RIVERS, GA. AND FLA.	21,400	20,191							52,849
GULF OF MEXICO-----		253	9,497						
WARRIOR RIVER SYSTEM-----		20,406	28,120	424,708		359,995			117,403
GULF INTRACOASTAL WATERWAY; MOBILE BAY, ALA., TO NEW ORLEANS, LA.	75,155	51,644	86,699						
WATERWAY FROM EMPIRE, LA., TO GULF OF MEXICO-----			5,362						
GULF INTRACOASTAL WATERWAY; MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.			118,844						
ATCHAFALAYA RIVER, LA.			13,812			6,566			
CALCASIEU RIVER AND PASS, LA.					5,928		8,421		
SABINE-NECHES WATERWAY, TEXAS	3,953	23,979	821,321			106,670	40,336		
GALVESTON BAY, TEXAS-----	6,802	45,374	66,783			86,226	15,824		3,271
GULF INTRACOASTAL WATERWAY; GALVESTON TO CORPUS CHRISTI, TEXAS-----			164,705				4,369		10,800
GULF INTRACOASTAL WATERWAY; CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----						20,423			
MISSISSIPPI RIVER; NEW ORLEANS, LA., TO MOUTH OF PASSES; MISSISSIPPI RIVER; BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		54,915				73,606	6,146		
MISSISSIPPI RIVER; MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.		37,605	393,565						
MISSISSIPPI RIVER; MINNEAPOLIS, Minn., TO MOUTH OF MISSOURI RIVER-----	68,514	10,608	165,163			60,583			
	9,338	7,680							
	6,551					57,099			

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRICATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
TENNESSEE RIVER, TENN., ALA., AND KY.	-----	-----	-----	-----	-----	-----	-----	-----	17,560
CUMBERLAND RIVER, TENN. AND KY.	-----	-----	-----	-----	-----	-----	-----	-----	23,271
MONONGAHELA RIVER, PA. AND W. VA.	-----	-----	-----	-----	-----	3,758	-----	-----	-----
LAKE MICHIGAN	-----	-----	-----	-----	-----	7,728	-----	-----	-----
PORT OF CHICAGO, ILL.	-----	-----	-----	-----	-----	7,728	-----	-----	-----
TOTAL, SHIPPING AREA	410,754	358,506	2,270,399	-----	5,928	624,584	79,096	-----	279,048
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA./ GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.	404,943	143,594	-----	94,209	-----	16,970	-----	-----	101,676
APALACHICOLA/CHATTahoochee AND FLINT RIVERS, GA. AND FLA.	15,824	10,406	-----	-----	-----	6,100	-----	-----	-----
GULF OF MEXICO	-----	-----	383	-----	-----	40,833	-----	-----	121,015
WARRIOR RIVER SYSTEM	77,112	39,203	17,640	-----	-----	-----	-----	-----	705,675
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.	62,079	47,124	4,907	-----	-----	-----	-----	-----	7,088
PASCAGOULA RIVER, MISS.	-----	532	-----	-----	-----	-----	-----	-----	-----
PEARL RIVER, MISS. AND LA.	-----	58	-----	-----	-----	-----	-----	-----	-----
WATERWAY FROM EMPIRE, LA., TO GULF OF MEXICO	-----	-----	6,725	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.	-----	-----	3,166	-----	-----	-----	-----	-----	-----
ATCHAFALAYA RIVER, LA.	-----	-----	-----	-----	-----	4,114	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS	132,482	42,764	70,115	3,970	-----	27,067	7,803	2,946	5,487
GALVESTON BAY, TEXAS	23,939	24,000	5,384	12,420	-----	181,441	30,176	-----	1,494
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS	25,634	-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	5,277	-----	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES	8,625	2,253	58,744	-----	-----	-----	-----	-----	621
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	516,937	-----	8,910	7,098	5,732	57,356	45,730	9,270	1,615
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	13,415	-----	-----	-----	-----	-----	-----	-----	5,431
WOLF RIVER, TENN.	4,914	11,164	-----	-----	-----	-----	-----	-----	-----
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE	35,565	17,102	-----	184,768	-----	-----	-----	-----	106,263
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH	2,687	-----	-----	-----	-----	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA., AND KY.	17,360	10,574	-----	-----	-----	-----	-----	-----	40,923
CUMBERLAND RIVER, TENN. AND KY.	-----	-----	-----	-----	-----	-----	-----	-----	117,201
ILLINOIS RIVER, ILL.	-----	-----	20,252	-----	-----	33,677	12,145	-----	-----
PORT OF CHICAGO, ILL.	-----	-----	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA	1,346,793	369,106	175,974	302,465	5,732	367,562	95,854	12,216	1,214,489
INNERHARBOR NAVIGATION CANAL, LA./ WARRIOR RIVER SYSTEM	-----	-----	-----	-----	-----	-----	-----	-----	3,998
INNERHARBOR NAVIGATION CANAL, LA.	-----	-----	-----	-----	-----	4,093	-----	-----	-----
TOTAL, SHIPPING AREA	-----	-----	-----	-----	-----	4,093	-----	-----	3,998
LAKE PONTCHARTRAIN, LA./ GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.	-----	-----	2,990	-----	-----	-----	-----	-----	-----
LAKE MAUREPAS, LA./ GULF OF MEXICO	-----	-----	-----	-----	-----	-----	-----	-----	6,064
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.	-----	-----	3,373	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES	-----	-----	33,705	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA	-----	-----	37,078	-----	-----	-----	-----	-----	6,064
WATERWAY FROM EMPIRE, LA., TO GULF OF MEXICO	-----	-----	-----	13,788	-----	-----	-----	-----	-----
ATCHAFALAYA RIVER, LA.	-----	-----	-----	52,854	-----	-----	-----	-----	-----
CALCASIEU RIVER AND PASS, LA.	-----	-----	-----	19,996	-----	-----	-----	-----	-----
GALVESTON BAY, TEXAS	-----	-----	-----	18,294	-----	-----	-----	-----	-----
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES	-----	-----	7,650	-----	-----	-----	-----	-----	-----

Waterborne Commerce of the United States, 1988

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
MISSISSIPPI RIVER; BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.			504,842						
MISSISSIPPI RIVER; MOUTH OF OHIO RIVER; TO BUT NOT INCLUDING BATON ROUGE, LA.	2,800								
TOTAL, SHIPPING AREA	2,800		617,424						
GULF INTRACOASTAL WATERWAY; MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX./ GULF INTRACOASTAL WATERWAY; APALACHEE BAY, FLA., TO MOBILE BAY, ALA./ GULF OF MEXICO			528,191	9,000					
WARRIOR RIVER SYSTEM			272,536	6,165		318	191	275	
GULF INTRACOASTAL WATERWAY; MOBILE BAY, ALA., TO NEW ORLEANS, LA.			487	4,828					
WATERWAY FROM EMPIRE, LA., TO GULF OF MEXICO				6,052					
GULF INTRACOASTAL WATERWAY; MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.			85,440	926,853	526				
GULF INTRACOASTAL WATERWAY; PLAQUEMINE TO MORGAN CITY ROUTE, LA.			503	8,816					
ATCHAFALAYA RIVER, LA.	2,573	7,815	1,585,189						
OUACHITA AND BLACK RIVERS, ARK. AND LA.		36							
INLAND WATERWAY, FRANKLIN TO MERMENTAU RIVER, LA.			84						
BAYOU VERMILION, LA.	1	2,328		204					
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.				3,736					
CALCASIEU RIVER AND PASS, LA.				899,480					
SABINE-NECHEE WATERWAY, TEXAS	63,584	1,506		756,716					
GALVESTON BAY, TEXAS	30,820			812,090		1,570			1,534
GULF INTRACOASTAL WATERWAY; GALVESTON TO CORPUS CHRISTI, TEXAS				46,463					
GULF INTRACOASTAL WATERWAY; CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	83,113								
MISSISSIPPI RIVER; NEW ORLEANS, LA., TO MOUTH OF PASSES		2,420	2,696,538						
MISSISSIPPI RIVER; BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	54,653		227,610						1,074
MISSISSIPPI RIVER; MOUTH OF OHIO RIVER; TO BUT NOT INCLUDING BATON ROUGE, LA.			58,346						846
ARKANSAS RIVER, ARK.						5,883			
PORT OF CHICAGO, ILL.						6,800			
TOTAL, SHIPPING AREA	234,744	628,812	8,306,559	15,691		14,171	191	277	3,454
GULF INTRACOASTAL WATERWAY; PLAQUEMINE TO MORGAN CITY ROUTE, LA./ GULF OF MEXICO									1,514
GULF INTRACOASTAL WATERWAY; MOBILE BAY, ALA., TO NEW ORLEANS, LA.									1,877
GULF INTRACOASTAL WATERWAY; MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.			834,410						
GULF INTRACOASTAL WATERWAY; PLAQUEMINE TO MORGAN CITY ROUTE, LA.				146,566					
CALCASIEU RIVER AND PASS, LA.	5,186		31,102						
SABINE-NECHEE WATERWAY, TEXAS	29,461							5,452	
GALVESTON BAY, TEXAS	16,005								
GULF INTRACOASTAL WATERWAY; CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	39,822								
MISSISSIPPI RIVER; NEW ORLEANS, LA., TO MOUTH OF PASSES			24,972						28,247
MISSISSIPPI RIVER; BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	142,345		31,560		6,977		9,351		
MISSISSIPPI RIVER; MOUTH OF OHIO RIVER; TO BUT NOT INCLUDING BATON ROUGE, LA.									3,104
MISSISSIPPI RIVER; MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	29,655								
TENNESSEE RIVER, TENN., ALA. AND KY.									2,210
TOTAL, SHIPPING AREA	262,476		1,068,610		6,977		14,803		36,952

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988
(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
ATCHAFALAYA RIVER, LA./ GULF OF MEXICO-----		287	5,114						
WARRIOR RIVER SYSTEM-----									
GULF INTRACOASTAL WATERWAY-----									
MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX-----		4,691	125,482						
GULF INTRACOASTAL WATERWAY-----									
PLAQUEMINES TO MORGAN CITY ROUTE, LA-----		9,247	79,344 2,604						
ATCHAFALAYA RIVER, LA-----									
OUACHITA AND BLACK RIVERS, ARK. AND LA-----	14,868								
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA-----	1,272								
CALCASIEU RIVER AND PASS, LA-----							56,707		
SABINE-NECHEZ WATERWAY, TEXAS-----	5,192		16,238				22,242		
GALVESTON BAY, TEXAS-----	7,867					33,237	22,568		
GULF INTRACOASTAL WATERWAY-----									
GALVESTON TO CORPUS CHRISTI, TEXAS-----	2,540								
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----			117,816				6,879	26,851	11,336
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA-----	68,902	8,866					249,212	3,413	12,000
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA-----	477,018	12,112	32,166						
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	122,391	15,518							
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	9,768								
ARKANSAS RIVER, ARK-----	2,138								
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE-----	215,741	11,098							
TENNESSEE RIVER, TENN., ALA. AND KY-----	127,340	5,549					21,007 6,128		
BIG SANDY RIVER, KY, AND W.VA-----									
TOTAL SHIPPING AREA-----	1,055,037	67,368	378,766			316,463	131,781		23,336
OUACHITA AND BLACK RIVERS, ARK. AND LA-----									
GULF INTRACOASTAL WATERWAY-----									
MOBILE BAY, ALA., TO NEW ORLEANS, LA-----			9,503						
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA-----			5,281						
TOTAL SHIPPING AREA-----			14,784						
INLAND WATERWAY, FRANKLIN TO MERMENTAU RIVER, LA-----									
WARRIOR RIVER SYSTEM-----			179,167						
GULF INTRACOASTAL WATERWAY-----									
MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX-----			330,467 13,328						
ATCHAFALAYA RIVER, LA-----									
INLAND WATERWAY, FRANKLIN TO MERMENTAU RIVER, LA-----			2,452						
BAYOU VERMILION, LA-----			1,695						
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA-----			17,464						
CALCASIEU RIVER AND PASS, LA-----			273,184						
SABINE-NECHEZ WATERWAY, TEXAS-----			44,399						
GALVESTON BAY, TEXAS-----			214,877						
GULF INTRACOASTAL WATERWAY-----									
GALVESTON TO CORPUS CHRISTI, TEXAS-----			2,554						
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----			129,932						
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA-----			42,076						
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA-----			67,405						
TOTAL SHIPPING AREA-----			1,319,200						
BAYOU VERMILION, LA-----									
WARRIOR RIVER SYSTEM-----	3,480		29,250						
GULF INTRACOASTAL WATERWAY-----									
MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX-----		5,184	26,569						
ATCHAFALAYA RIVER, LA-----			142,067						
CALCASIEU RIVER AND PASS, LA-----			77,207						
SABINE-NECHEZ WATERWAY, TEXAS-----			85,426						

Waterborne Commerce of the United States, 1988

TABLE 4--DOMESTIC: INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES: 2916, 2921, 2991)
GALVESTON BAY, TEXAS-----			5,582						
TOTAL SHIPPING AREA-----	3,480	5,180	366,101						
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA./									
GULF OF MEXICO-----				28,977					28,163
WARRIOR RIVER SYSTEM-----									
GULF INTRACOASTAL WATERWAY MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----									18,238
GULF INTRACOASTAL WATERWAY MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----				8,370					
ATCHAFALAYA RIVER, LA.-----				70,593					
CALCASIEU RIVER AND PASS, LA.-----				49,050					
SABINE-NECHEZ WATERWAY, TEXAS-----	102,286			290,662					
GALVESTON BAY, TEXAS-----	37,165	1,163	13,956				5,832		719
GULF INTRACOASTAL WATERWAY GALVESTON TO CORPUS CHRISTI, TEXAS-----									
GULF INTRACOASTAL WATERWAY CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	21,497								
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	1,309								101,709
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	17,627		13,244				3,488		3,067
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	6,709		10,051						
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	2,520								
PORT OF CHICAGO, ILL.-----	5,008								
TOTAL SHIPPING AREA-----	198,725	1,163	480,903				9,320		151,896
CALCASIEU RIVER AND PASS, LA./ GULF INTRACOASTAL WATERWAY APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	6,146			136,193		2,488	5,109		
GULF OF MEXICO-----		28,217						112	31,402
WARRIOR RIVER SYSTEM-----	16,359	6,372	5,535			11,547			
GULF INTRACOASTAL WATERWAY MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	5,188								
GULF INTRACOASTAL WATERWAY MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----		85,077	47,191			32,886			
GULF INTRACOASTAL WATERWAY PLAQUEMINES TO MORGAN CITY ROUTE, LA.-----								7,283	
ATCHAFALAYA RIVER, LA.-----		10,843							
INLAND WATERWAY, FRANKLIN TO MERMENTAU RIVER, LA.-----		636	1,640						
BAYOU VERMILION, LA.-----	16,527		1,422						
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.-----			1,532						
CALCASIEU RIVER AND PASS, LA.-----	167,984	242,314	40,500	7,468	34,324	35,711			
SABINE-NECHEZ WATERWAY, TEXAS-----	168,345	61,065	106,070		3,867	15,542	32,386		
GALVESTON BAY, TEXAS-----	60,452	94,452	979,715	70,848	1,367	241,037	63,914	40,279	28,765
GULF INTRACOASTAL WATERWAY GALVESTON TO CORPUS CHRISTI, TEXAS-----	146,531	13,559	6,754			2,999	7,386		3,020
GULF INTRACOASTAL WATERWAY CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	4,048					53,154	16,054	5,556	19,200
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	3,229	31,540	19,226			5,600	15,859	6,653	
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	94,764	33,686	40,562			156,518	108,403		20,549
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	55,257	7,090		51,924				25,786	
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----									
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	9,434	12,668		5,686				66,390	
YAZOO RIVER AND MOUTH, MISS.-----	29,485	1,772					1,400	17,532	
ARKANSAS RIVER, ARK.-----	9,230								
WOLF RIVER, TENN.-----	6,888				31,995		1,656		
OHIO RIVER ENGINEER DISTRICT, LOUISVILLE-----	5,991	29,143							1,599
OHIO RIVER ENGINEER DISTRICT, PITTSBURGH-----							1,262	9,129	

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	SOLARINE (CODE 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROBENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LURRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
TENNESSEE RIVER, TENN., ALA. AND KY.	5,060								
ALLEGHENY RIVER, PA.									19,693
PORT OF CHICAGO, ILL.							2,611	102,388	
TOTAL SHIPPING AREA	626,407	601,233	1,452,739	338,570	8,835	546,072	291,271	336,786	100,936
SABINE-NECHES WATERWAY, TEXAS/ GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA.		6,212		30,439		19,030	6,117	6,220	
ESCAMBIA AND CONECUM RIVERS, FLA. AND ALA.									2,188
GULF OF MEXICO		14,102							226
WARRIOR RIVER SYSTEM	6,375	17,062	461,181	11,474		205,028	6,286		1,238
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.	162,254					67,471			24,615
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.	93,515	112,204	4,443	4,161		44,123			
GULF INTRACOASTAL WATERWAY/ PLAQUEMINES TO MORGAN CITY ROUTE, LA.									
ATCHAFALAYA RIVER, LA.		24,620					68,482		
INLAND WATERWAY, FRANKLIN TO MERMENTAU RIVER, LA.		255							
BAYOU VERMILION, LA.		11,565							
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.									
CALCASIEU RIVER AND PASS, LA.	1,921	9,569	271,367		56,659	126,930	18,076	4,295	182,069
SABINE-NECHES WATERWAY, TEXAS	66,371	46,008	683,035	4,550		334,496	180,950	8,184	4,359
GULF INTRACOASTAL WATERWAY/ SABINE RIVER TO GALVESTON, TEXAS									
GALVESTON BAY, TEXAS	195,908	182,681	144,846	155,891	6,404	1,478,451	155,495	135,553	303,206
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS	52,353	10,696					21,167	5,799	
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER									104,852
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-	5,484						94,069	37,874	17,410
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	29,716	26,153	24,676			230,033	8,222	48,500	4,649
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	167,548	45,642				306,244	35,895	30,084	151,982
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	16,082	4,136	55,046				8,038	22,185	
MISSISSIPPI RIVER, MINNEAPOLIS, Minn., TO MOUTH OF MISSOURI RIVER	50,971	17,216						28,253	
WOLF RIVER, TENN.	6,744						16,782	2,928	
OHIO RIVER ENGINEER DISTRICT, LOUISVILLE	10,213			34,228				10,869	12,221
OHIO RIVER ENGINEER DISTRICT, HUNTINGTON	3,541						5,170		110,856
OHIO RIVER ENGINEER DISTRICT, PITTSBURGH		1,821					29,102	1,402	15,070
TENNESSEE RIVER, TENN., ALA. AND KY.	7,082	7,020		2,231					2,141
CUMBERLAND RIVER, TENN., AND KY.									
BIG SANDY RIVER, KY. AND W. VA.	2,660								
KANAWHA RIVER, W. VA.									
ILLINOIS RIVER, ILL.	35,009						30,182	19,785	
BLACK RIVER, WIS.							6,864		
PORT OF CHICAGO, ILL.	2,500						17,761	38,892	105,411
TOTAL SHIPPING AREA	916,247	536,982	1,640,216	242,974	65,063	3,103,317	605,251	616,148	886,645
GULF INTRACOASTAL WATERWAY, SABINE RIVER TO CALVESTON, TEXAS				5,362					
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.				70,472					
GULF INTRACOASTAL WATERWAY/ SABINE RIVER TO GALVESTON, TEXAS				39,632				19,930	
GULF INTRACOASTAL WATERWAY/ SABINE RIVER TO GALVESTON, TEXAS				18,844					
GALVESTON BAY, TEXAS				116,416					

*Waterborne Commerce of the United States, 1988*TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED:
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
COLUMBIA RIVER/ VANCOUVER, WASH., TO THE DALLES, OREG./ COLUMBIA RIVER/ ABOVE CELICO FALLS TO KENNEWICK, WASH.				7,055					
COLUMBIA RIVER/ ABOVE CELICO TO KENNEWICK, WASH./ COLUMBIA RIVER/ ABOVE CELICO FALLS TO KENNEWICK, WASH./ WILLAMETTE AND YAMHILL RIVERS, OREG.,-----	61,957	8,685		3,236					
SNAKE RIVER, OREG., WASH., AND IDAHO-----		13,432							
TOTAL, SHIPPING AREA-----	81,957	90,096		3,236					
WILLAMETTE AND YAMHILL RIVERS, OREG./ COLUMBIA RIVER/ VANCOUVER, WASH., TO THE MOUTH-----	35,882	11,123				509,736		25,755	
COLUMBIA RIVER/ VANCOUVER, WASH., TO THE DALLES, OREG./ COLUMBIA RIVER/ ABOVE CELICO FALLS TO KENNEWICK, WASH./ WILLAMETTE AND YAMHILL RIVERS, OREG.,-----	315,391	509,941		16,583		15,521			
SNAKE RIVER, OREG., WASH., AND IDAHO-----	60,541	30,035		5,802		161,449		3,500	
TOTAL, SHIPPING AREA-----	438,186	613,613		22,385		688,882		29,255	
GRAYS HARBOR AND CHEHALIS RIVER, WASH./ GRAYS HARBOR AND CHEHALIS RIVER, WASH.,-----		4,046				70,614			
PUGET SOUND AND TRIBUTARY WATERS/ PUGET SOUND AND TRIBUTARY WATERS-----	263,698	313,122	20,682	92,338	4,789	1,341,701		1,436	635,590
LOWER & UPPER SOUTHEAST ALASKA/ LOWER & UPPER SOUTHEAST ALASKA-----	31,672	86,193		10,725		1,767		30	2,686
PRINCE WILLIAM & COOK INLET, ALASKA AREA/ PRINCE WILLIAM & COOK INLET, ALASKA AREA-----	6,818	23,350		1,716					5
ALASKA PENINSULA/ ALASKA PENINSULA-----	1,176	14,665		464		1,215			12,568
YUKON RIVER, ALASKA/ YUKON RIVER, ALASKA-----	172	501				591			31,108
BERING SEA PORTS, ALASKA/ BERING SEA PORTS, ALASKA-----	66	12,729				347			4,286
OAHU, HAWAII/ OAHU, HAWAII-----	1,070	21,553		2,470		250,168			18,702
PUERTO RICO/ PUERTO RICO-----						4,900			

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE 2914)	CRUDE PETROLEUM (CODE 1311)	JET FUEL (CODE 2912)	KEROSENE (CODE 2913)	RESIDUAL FUEL OIL (CODE 2915)	NAPHTHA (CODE 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.				2,296					
TOTAL, SHIPPING AREA				253,024				21,334	
GALVESTON BAY, TEXAS/ GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA.	64,923	26,903			3,556			3,577	11,237 4,061
ESCAMBIA AND CONECUC RIVERS, FLA., AND ALA.									89,361
GULF OF MEXICO									1,279
WARRIOR RIVER SYSTEM	83,863	65,121					13,900		10,525 1,755
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.	18,062	730							7,208
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.		5,590			36,787		126,290		
GULF INTRACOASTAL WATERWAY/ PLAQUEMINES TO MORGAN CITY ROUTE, LA.								1,400 1,459	
ATCHAFALAYA RIVER, LA.	37,687	57,183	32,543				24,037	18,996	2,389
OUACHITA AND BLACK RIVERS, ARK. AND LA.							17,766		
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.	5,120		3,068				1,655		1,534
CALCASIEU RIVER AND PASS, LA.	98,734	4,900	8,426		63,461	94,212	190,366	1,511 96,763	
SABINE-NECHES WATERWAY, TEXAS	269,530	251,873	7,659	2,133		99,920	280,940	26,204 49,043	
GULF INTRACOASTAL WATERWAY/ SABINE RIVER TO GALVESTON, TEXAS									
GALVESTON BAY, TEXAS	709,751	1,007,803	776,689	119,069	16,656	5,333	5,075,492	1,259,219	285,102 463,157
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS	86,786	12,132	1,378,983				179,713	321,152	84,555 107,541
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	51,405	16,120	57,317	1,778	1,778	26,134	79,787	59,057	32,737
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES	104,863	39,090					179,543	69,949	148,892 325,297
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	421,294	443,069	102,617	28,270		1,324,714	410,436	169,125	112,069
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER, TO BUT NOT INCLUDING BATON ROUGE, LA.	85,702	2,510							5,248
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--ENGINEER DISTRICT,									
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	203,151	2,900			7,572		9,588	36,999	13,293
YAZOO RIVER AND MOUTH, MISS.								1,561	
ARKANSAS RIVER, ARK.	2,478				23,463				
WOLF RIVER, TENN.							11,092		
OHIO RIVER--ENGINEER DISTRICT, LOUISVILLE									
OHIO RIVER--ENGINEER DISTRICT, HUNTINGTON	13,075							14,776	
OHIO RIVER--ENGINEER DISTRICT, PIITTSBURGH	10,808						44,305		50,506 1,799
TENNESSEE RIVER, TENN., ALA. AND KY.							12,822	7,462	2,952 8,728
BIG SANDY RIVER, KY. AND W. VA.	13,174						1,532	3,039	26,393
MONONGAHELA RIVER, PA. AND W. VA.							9,389		
ALLEgheny RIVER, PA.								1,394	79,923
ILLINOIS RIVER, ILL.	1,295	49,834							
PORT OF CHICAGO, ILL.	19,183	87,642							
TOTAL, SHIPPING AREA	2,300,884	2,078,048	2,367,262	229,584	110,261	7,262,563	2,708,104	1,007,918	1,311,655
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS/ GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA.				62,186					
ESCAMBIA AND CONECUC RIVERS, FLA., AND ALA.									1,658
WARRIOR RIVER SYSTEM							32,508		
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.							4,052		
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.				6,128					
CALCASIEU RIVER AND PASS, LA.		3,117							36,673
SABINE-NECHES WATERWAY, TEXAS		3,031	75,821			1,258	13,148		51,796
GALVESTON BAY, TEXAS	320,002	33,406	66,225	152,140		197,872	28,631	1,240	53,915

Waterborne Commerce of the United States, 1988

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED:
SHIPPING AREA BY RECEIVING AREA.

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2923, 2991)
GULF INTRACOASTAL WATERWAY; GALVESTON TO CORPUS CHRISTI, TEXAS-----	2,589	9,855	71,000	-----	-----	-----	6,497	6	5,079
GULF INTRACOASTAL WATERWAY; CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	10,871	10,272	89,129	-----	-----	-----	-----	-----	5,410
MISSISSIPPI RIVER; BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	25,946	5,810	2,313	-----	-----	141,026	-----	-----	6,126
MISSISSIPPI RIVER; MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	-----	-----	-----	7,899	-----	-----
MISSISSIPPI RIVER; MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	-----	-----	-----	23,463	-----	-----	-----	-----	-----
MISSISSIPPI RIVER; MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	-----	-----	-----	8,833	-----	-----
ARKANSAS RIVER, ARK.; OHIO RIVER; ENGINEER DISTRICT; PITTSBURGH-----	-----	-----	-----	16,779	-----	-----	-----	-----	16,800
MONONGAHELA RIVER, PA. AND W.VA.-----	-----	-----	-----	-----	-----	-----	403	-----	-----
BLACK RIVER, WIS.-----	-----	-----	-----	-----	-----	-----	-----	-----	4,800
PORT OF CHICAGO, ILL.-----	-----	-----	-----	-----	-----	-----	8,779	-----	-----
TOTAL, SHIPPING AREA-----	359,408	65,491	312,656	254,568	-----	386,352	62,954	1,246	182,257
GULF INTRACOASTAL WATERWAY; CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY; APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	290,943	6,500	-----	-----	-----	-----	-----	-----	600
ESCANABA AND CONNECUM RIVERS, FLA. AND ALA.-----	-----	-----	-----	-----	-----	-----	16,026	-----	14,611
WARRIOR RIVER SYSTEM-----	7,847	-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY; MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	2,624	21,510	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY; MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	-----	53	-----	-----	-----	-----	6,292	-----	-----
ATCHAFALAYA RIVER, LA.-----	-----	-----	-----	-----	-----	12,520	-----	-----	-----
BAYOU VERMILION, LA.-----	-----	-----	-----	-----	-----	-----	3,368	-----	-----
CALCASIEU RIVER AND PASS, LA.-----	27,569	-----	2,699	3,582	83,322	26,346	38,057	-----	6,296
SABINE-NECHEZ WATERWAY, TEXAS-----	601,547	332,521	245,671	32,479	3,146	5,132	76,035	-----	-----
GALVESTON BAY, TEXAS-----	1,142,279	633,235	213,375	158,219	4,062	796,433	210,656	3,230	160,826
GULF INTRACOASTAL WATERWAY; GALVESTON TO CORPUS CHRISTI, TEXAS-----	43,759	12,492	118,846	-----	-----	118,068	3,006	3,000	15,264
GULF INTRACOASTAL WATERWAY; CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	1,073,451	367,369	655,665	-----	2,147	633,917	100,205	920	36,944
MISSISSIPPI RIVER; NEW ORLEANS, LA., TO MOUTH OF PASSES; MISSISSIPPI RIVER; BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	103,065	80,293	6,780	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER; MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	272,490	92,476	-----	12,087	-----	-----	-----	-----	25,468
MISSISSIPPI RIVER; MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	5,188	-----	-----	14,931	-----	-----	-----	-----	-----
MISSISSIPPI RIVER; MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	-----	5,531	-----	-----	-----	-----
OHIO RIVER; ENGINEER DISTRICT, LOUISVILLE-----	98,055	7,532	-----	-----	-----	4,235	21,334	-----	4,776
MISSOURI RIVER-----	-----	-----	-----	-----	-----	-----	-----	-----	9,155
ILLINOIS RIVER, ILL.-----	1,478	-----	-----	-----	-----	-----	-----	-----	9,445
BLACK RIVER, WIS.-----	-----	-----	-----	-----	-----	-----	-----	-----	12,169
MINNESOTA RIVER, MINN.-----	-----	-----	-----	-----	8,541	-----	8,269	-----	5,446
PORT OF CHICAGO, ILL.-----	1,297	-----	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	3,763,375	1,586,150	1,275,740	211,962	106,749	1,712,031	485,491	7,154	146,961
MISSISSIPPI RIVER; NEW ORLEANS, LA., TO MOUTH OF PASSES; GULF INTRACOASTAL WATERWAY; APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	86,519	15,953	-----	-----	-----	28,724	553	-----	38,984
APALACHICOLA/CHATTahoochee AND FLINT RIVERS, GA. AND FLA.-----	-----	-----	-----	-----	-----	25,899	-----	-----	-----
GULF OF MEXICO-----	-----	44,913	-----	-----	-----	-----	-----	-----	3,287
WARRIOR RIVER SYSTEM-----	80,370	18,096	-----	-----	-----	11,676	-----	-----	63,792
GULF INTRACOASTAL WATERWAY; MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	11,674	1,476	2,530	-----	-----	29,033	-----	-----	3,544

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING, OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
INNERHARBOR NAVIGATION CANAL, LA.,-----	-----	-----	-----	-----	-----	89,460	-----	-----	-----
GULF INTRACOASTAL WATERWAY, MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.,-----	157,047	58,254	-----	-----	52,279	-----	-----	5,132	-----
ATCHAFALAYA RIVER, LA.,-----	30,715	151,282	-----	-----	-----	-----	-----	-----	-----
INLAND WATERWAY, FRANKLIN TO MERMENTAU RIVER, LA.,-----	299	-----	-----	-----	-----	-----	-----	-----	-----
BAYOU VERMILION, LA.,-----	8,376	-----	-----	-----	-----	-----	-----	-----	-----
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.,-----	348	3,076	-----	-----	-----	-----	-----	-----	-----
CALCASIEU RIVER AND PASS, LA.,-----	9,087	7,151	-----	-----	126,735	33,926	-----	-----	-----
SABINE-NECHEZ WATERWAY, TEXAS-----	6,933	661,583	-----	-----	6,380	35,273	-----	-----	-----
GALVESTON BAY, TEXAS-----	7,847	24,602	103,854	-----	100,942	47,759	7,882	9,270	-----
GULF INTRACOASTAL WATERWAY, GALVESTON TO CORPUS CHRISTI, TEXAS-----	19,734	-----	-----	-----	-----	-----	1,456	-----	-----
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	170,774	926,708	-----	-----	970,386	38,369	9,086	-----	-----
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	14,564	14,309	434,367	-----	670,608	7,206	77	10,469	-----
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	51,090	13,628	9,168	-----	-----	8,032	4,405	-----	61,359
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	12,165	15,829	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	9,215	9,059	-----	-----	10,763	-----	-----	-----	-----
ARKANSAS RIVER, ARK.,-----	8,339	-----	-----	-----	-----	-----	-----	-----	-----
WOLF RIVER, TENN.,-----	83,578	33,169	-----	5,301	-----	-----	-----	-----	-----
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE-----	529,276	246,361	-----	6,725	-----	-----	1,351	-----	750
OHIO RIVER, ENGINEER DISTRICT, HUNTINGTON-----	-----	-----	-----	-----	4,946	-----	-----	-----	-----
OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	-----	-----	25,312	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.,-----	360,211	170,323	-----	3,088	4,698	-----	-----	10,671	-----
KANAWHA RIVER, W. VA.,-----	24,748	9,142	-----	-----	-----	-----	-----	-----	-----
MONONGAHELA RIVER, PA., AND W. VA.,-----	-----	-----	-----	-----	1,379	-----	-----	-----	-----
ILLINOIS RIVER, ILL.,-----	106,858	5,687	-----	-----	-----	-----	-----	-----	-----
PDRT OF CHICAGO, ILL.,-----	1,400	66,889	-----	-----	104,659	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	1,407,590	1,087,017	2,357,973	15,114	2,273,367	168,842	17,045	207,258	-----
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY, APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,-----	45,353	-----	-----	172,374	-----	12,685	-----	109,830	-----
APALACHICOLA/CHATTahoochee AND FLINT RIVERS, GA. AND FLA.,-----	-----	-----	2,644	-----	-----	51,970	-----	-----	-----
GULF OF MEXICO-----	-----	3,406	-----	-----	-----	2,883	-----	-----	5,892
HARRIER RIVER SYSTEM-----	128,791	22,197	56,716	-----	-----	201,095	-----	-----	66,967
ALABAMA COOSA RIVERS, ALA. AND GA.,-----	-----	-----	-----	-----	3,000	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----	-----	2,944	-----	3,655	-----	20,938	-----	-----	-----
INNERHARBOR NAVIGATION CANAL, LA.,-----	-----	-----	-----	-----	-----	10,536	-----	-----	3,998
GULF INTRACOASTAL WATERWAY, MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.,-----	35,941	134,876	1,849	-----	110,172	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY, PLAQUEMINE TO MORGAN CITY ROUTE, LA.,-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ATCHAFALAYA RIVER, LA.,-----	18,943	254,656	263,254	-----	-----	50,416	65,251	9,000	5,594
OUACHITA AND BLACK RIVERS, ARK. AND LA.,-----	323,199	7,164	-----	-----	4,490	-----	-----	-----	-----
BAYOU VERMILION, LA.,-----	-----	4,829	-----	-----	-----	-----	-----	-----	-----
CALCASIEU RIVER AND PASS, LA.,-----	1,255	-----	-----	49,061	-----	5,766	-----	-----	7,376
SABINE-NECHEZ WATERWAY, TEXAS-----	51,499	13,450	93,301	-----	181,848	1,400	5,884	13,663	-----
GULF INTRACOASTAL WATERWAY, SABINE RIVER TO GALVESTON, TEXAS-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GALVESTON BAY, TEXAS-----	834,657	1,129,406	39,892	67,733	59,070	587,086	533,175	48,569	111,853
GULF INTRACOASTAL WATERWAY, CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	5,154	-----	45,495	-----	-----	33,346	-----	1,456	1,320
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	279,170	297,018	915,278	-----	1,811,386	58,159	16,589	10,528	-----

Waterborne Commerce of the United States, 1988

TABLE 4--DOMESTIC: INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA: (CONTINUED) / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	327,312	69,296	254,309	62,276	11,081	1,405,916	265,549	1,102	71,258
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	1,424,773	74,019	227,568	227,452	534,020	-----	-----	1,506	69,347
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	37,826	11,402	-----	72,345	870	-----	-----	22,705	8,860
MISSISSIPPI RIVER: MINNEAPOLIS, Minn., TO MOUTH OF MISSOURI RIVER	83,287	14,252	43,540	-----	-----	361,157	1,464	12,189	27,287
YAZOO RIVER AND MOUTH, MISS.	-----	1,078	-----	-----	-----	-----	-----	9,536	25,420
ARKANSAS RIVER, ARK.	62,419	-----	-----	23,726	-----	30,490	-----	-----	-----
WOLF RIVER, TENN.	139,048	39,693	-----	23,692	-----	21,925	-----	-----	200,154
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE	84,655	125,059	-----	155,360	-----	11,543	-----	20,449	182,505
OHIO RIVER: ENGINEER DISTRICT, MUNTINGTON	-----	-----	-----	-----	-----	-----	-----	-----	15,669
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH	62,267	32,910	-----	-----	-----	123,326	9,074	7,886	67,979
TENNESSEE RIVER, TENN., ALA. AND KY.	2,600	11,178	-----	4,748	-----	-----	-----	-----	79,559
CUMBERLAND RIVER, TENN. AND KY.	-----	-----	-----	-----	-----	-----	-----	-----	8,411
KANAWHA RIVER, W. VA.	4,453	-----	-----	-----	-----	-----	-----	1,659	-----
MONONGAHELA RIVER, PA. AND W. VA.	-----	6,158	-----	-----	-----	10,429	-----	-----	40,273
ALLEGHENY RIVER, PA.	-----	28,359	-----	-----	-----	-----	1,202	11,308	-----
MISSOURI RIVER	-----	-----	-----	-----	-----	233,950	32,241	1,391	45,480
ILLINOIS RIVER, ILL.	18,107	13,722	-----	-----	-----	-----	-----	-----	84,272
BLACK RIVER, WIS.	-----	-----	-----	-----	-----	-----	-----	-----	4,800
MINNESOTA RIVER, MINN.	-----	-----	-----	-----	-----	-----	-----	-----	6,000
PORT OF CHICAGO, ILL.	1,418	11,078	-----	-----	-----	101,473	5,746	5,662	2,732
TOTAL SHIPPING AREA	3,921,190	2,211,870	2,076,863	815,110	120,482	5,917,580	1,015,020	335,344	1,167,231
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA./ APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA./ WARRIOR RIVER SYSTEM	-----	-----	-----	-----	-----	-----	1,130	-----	-----
WATERWAY FROM EMPIRE, LA., TO GULF OF MEXICO	-----	-----	22,218	-----	-----	5,585	-----	-----	8,779
ATCHAFALAYA RIVER, LA.	-----	5,822	-----	-----	-----	3,898	-----	-----	-----
SABINE-NECHEZ WATERWAY, TEXAS	2,594	-----	-----	-----	-----	-----	10,904	37,325	-----
GALVESTON BAY, TEXAS	-----	109,811	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	6,225	1,773	-----	-----	-----	-----	-----	-----	6,363
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES	-----	-----	95,229	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	1,794	7,359	724,998	-----	-----	5,580	-----	-----	-----
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	265,392	189,289	-----	3,104	-----	10,266	-----	-----	9,556
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	-----	-----	-----	2,750	7,679	-----	1,300	-----	-----
MISSISSIPPI RIVER: MINNEAPOLIS, Minn., TO MOUTH OF MISSOURI RIVER	30,173	2,368	-----	-----	1,400	12,000	-----	-----	-----
WOLF RIVER, TENN.	3,150	5,685	-----	-----	-----	-----	-----	-----	36,166
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON	-----	-----	-----	-----	-----	-----	-----	2,222	-----
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH	-----	-----	-----	-----	-----	-----	-----	2,632	-----
TENNESSEE RIVER, TENN., ALA. AND KY.	-----	-----	-----	-----	-----	2,341	-----	-----	-----
CUMBERLAND RIVER, TENN. AND KY.	1,400	22,016	-----	-----	-----	-----	-----	-----	38,156
ILLINOIS RIVER, ILL.	2,076	9,298	-----	-----	-----	-----	-----	-----	-----
PORT OF CHICAGO, ILL.	-----	-----	-----	1,383	-----	14,289	-----	-----	-----
TOTAL SHIPPING AREA	312,804	238,384	958,078	5,854	10,462	39,670	64,952	4,854	98,022
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER/ GALVESTON BAY, TEXAS	-----	-----	-----	3,050	-----	-----	-----	-----	-----
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	-----	-----	-----	-----	-----	60,554	-----	-----	-----
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	3,476	-----	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	20,702	20,633	-----	-----	-----	12,933	-----	-----	8,009

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2910)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE 2916)	OTHER PETROLEUM PRODUCTS (CODE 2918, 2921, 2991)
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	98,742	30,204	-----	-----	-----	5,077	-----	-----	5,116
WOLF RIVER, TENN.-----	22,217	-----	-----	-----	-----	-----	-----	-----	-----
OHIO RIVER ENGINEER DISTRICT, LOUISVILLE-----	19,981	29,081	-----	-----	5,222	-----	-----	-----	-----
OHIO RIVER ENGINEER DISTRICT, HUNTINGTON-----	-----	-----	-----	-----	-----	-----	-----	-----	4,108
OHIO RIVER ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	-----	-----	49,627	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.-----	2,623	-----	-----	-----	-----	-----	-----	-----	-----
ILLINOIS RIVER, ILL.-----	71,154	39,346	-----	-----	-----	-----	-----	-----	14,719
BLACK RIVER, WIS.-----	25,978	-----	-----	-----	-----	-----	-----	-----	1,382
LAKE MICHIGAN-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
PORT OF CHICAGO, ILL.-----	1,600	1,400	-----	-----	-----	5,711	2,251	1,987	-----
TOTAL, SHIPPING AREA-----	266,473	120,664	-----	3,050	5,222	133,902	2,251	1,987	33,334
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER/ WARRIOR RIVER SYSTEM-----	-----	-----	-----	-----	-----	-----	-----	-----	6,567
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	-----	-----	-----	-----	-----	8,427	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	-----	-----	-----	-----	-----	5,560	37,178	11,713	3,058
GALVESTON BAY, TEXAS-----	17,500	-----	-----	-----	-----	-----	-----	-----	3,000
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	77,759	-----	-----	-----	236,756	-----	27,210	6,181
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	24,152	70,885	85,163	1,397	-----	439,973	28,623	30,552	-----
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	7,561	22,836	-----	6,448	-----	-----	-----	-----	2,890
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	105,749	56,105	-----	-----	-----	261,858	-----	-----	79,231
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	1,114,967	333,694	-----	493	14,844	-----	-----	-----	210,434
WOLF RIVER, TENN.-----	15,172	15,020	-----	16,876	4,981	-----	-----	-----	-----
OHIO RIVER ENGINEER DISTRICT, LOUISVILLE-----	325,430	223,393	-----	19,339	-----	-----	9,806	-----	233,236
OHIO RIVER ENGINEER DISTRICT, HUNTINGTON-----	-----	1,211	-----	-----	-----	-----	-----	1,408	25,126
OHIO RIVER ENGINEER DISTRICT, PITTSBURGH-----	-----	16,731	-----	-----	-----	17,492	-----	-----	11,353
TENNESSEE RIVER, TENN., ALA. AND KY.-----	14,493	3,300	-----	-----	-----	26,747	-----	-----	152,279
CUMBERLAND RIVER, TENN., AND KY., MONONGAHELA RIVER, PA., AND W.VA.-----	-----	1,400	-----	-----	-----	-----	-----	-----	34,189
MISSOURI RIVER-----	-----	-----	-----	-----	-----	-----	-----	-----	252,602
ILLINOIS RIVER, ILL.-----	286,436	86,557	-----	3,836	1,638	8,853	6,799	-----	123,533
BLACK RIVER, WIS.-----	10,374	21,159	-----	-----	-----	-----	-----	-----	53,775
LAKE MICHIGAN-----	-----	-----	-----	-----	-----	1,071	-----	-----	11,008
PORT OF CHICAGO, ILL.-----	6,497	22,521	-----	-----	-----	12,822	25,809	2,612	127,680
TOTAL, SHIPPING AREA-----	1,931,731	951,171	85,163	47,896	2,131	1,041,384	108,215	73,495	1,336,122
YAZOO RIVER AND MOUTH, MISS./ GALVESTON BAY, TEXAS-----	-----	-----	-----	-----	-----	-----	5,362	-----	-----
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	5,064	-----	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	3,024	-----	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	-----	-----	3,302	-----	-----	-----
TOTAL, SHIPPING AREA-----	8,088	-----	-----	-----	-----	3,302	5,362	-----	-----
ARKANSAS RIVER, ARK./ WARRIOR RIVER SYSTEM-----	-----	-----	-----	-----	-----	5,150	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	-----	-----	-----	-----	-----	-----	-----	13,607	-----
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	-----	-----	-----	-----	66,356	-----	-----	-----
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	-----	-----	7,978	-----	-----	-----
ARKANSAS RIVER, ARK.-----	-----	-----	-----	-----	-----	5,796	-----	-----	-----
OHIO RIVER ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	-----	-----	-----	5,088	-----	-----	12,053
OHIO RIVER ENGINEER DISTRICT, PITTSBURGH-----	4,904	-----	-----	-----	-----	-----	-----	-----	-----
ALLEGHENY RIVER, PA.-----	-----	-----	-----	-----	-----	-----	10,608	-----	-----

Waterborne Commerce of the United States, 1988

TABLE 4--DOMESTIC: INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
MINNESOTA RIVER, MINN.									17,666
TOTAL, SHIPPING AREA	4,904					90,368		24,415	29,719
WOLF RIVER, TENN./ GALVESTON BAY, TEXAS	2,130						2,645		
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS	1,249								
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	10,654					30,293			6,363
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	11,960	9,388							
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	25,468	5,472				1,358			
MISSISSIPPI RIVER/ MINNEAPOLIS, Minn., TO MOUTH OF MISSOURI RIVER	3,996				9,333		10,640		4,909
WOLF RIVER, TENN.	35,462	65,280							
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE	73,252	18,078				15,641			
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH						1,400			
TENNESSEE RIVER, TENN., ALA. AND KY.	30,908	18,273			540	6,352			
CUMBERLAND RIVER, TENN. AND KY., PORT OF CHICAGO, ILL.	167,924	61,394				9,114			
TOTAL, SHIPPING AREA	363,003	182,830			9,873	64,158	13,285		11,272
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE									13,392
MARSHALL RIVER SYSTEM									
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.	5,319								
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER								1,458	
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	1,400	1,400				16,058			
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	12,741	2,850							5,846
ARKANSAS RIVER, ARK.									
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE	198,339	12,827		51,637		36,389		1,400	12,372
OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON	36,200	49,500				3,101			21,019
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH	3,000					33,738		331	
TENNESSEE RIVER, TENN., ALA. AND KY.	13,413	8,765				5,739			
CUMBERLAND RIVER, TENN. AND KY., BIG SANDY RIVER, KY. AND W. VA., KANAWHA RIVER, W. VA., MONONGAHELA RIVER, PA. AND W. VA.	1,514					1,528			
ILLINOIS RIVER, ILL.		4,031					11,400		1,480
TOTAL, SHIPPING AREA	261,594	79,373		51,637		114,808		3,189	54,109
OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON									3,831
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.								633	
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS	1,209								
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER								4,227	
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES						50,262		2,909	6,363
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		11,260				75,422		7,428	88,785
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.								3,022	6,363
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	1,415			29,578			1,368	12,512	

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
MISSISSIPPI RIVER; MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	10,891	-----	-----	-----	-----	-----	-----	15,898	-----
YAZOO RIVER AND MOUTH, MISS-----	-----	-----	-----	-----	-----	-----	2,680	13,777	-----
OHIO RIVER; ENGINEER DISTRICT, LOUISVILLE-----	1,639,095	663,011	20,206	442,802	4,351	-----	-----	16,559	113,145
OHIO RIVER; ENGINEER DISTRICT, HUNTINGTON-----	552,986	492,854	35,940	3,389	17,037	1,451	1,335	2,071	9,431
OHIO RIVER; ENGINEER DISTRICT, PITTSBURGH-----	356,778	263,242	255,747	147,330	10,998	-----	5,438	10,209	-----
TENNESSEE RIVER, TENN., ALA. AND KY.-----	-----	4,962	-----	-----	-----	106,371	-----	-----	72,995
CUMBERLAND RIVER, TENN., AND KY.-----	-----	-----	106,675	-----	-----	865	-----	-----	60,032
BIG SANDY RIVER, KY. AND W.VA.-----	6,961	1,107	-----	-----	-----	-----	3,389	-----	30,082
KANAWHA RIVER, W.VA.-----	601,943	305,862	-----	8,186	23,288	-----	-----	1,097	-----
LITTLE KANAWHA RIVER, W.VA.-----	86,367	-----	-----	-----	-----	-----	-----	-----	-----
MONONGAHELA RIVER, PA. AND W.VA.-----	-----	-----	-----	1,403	-----	-----	15,780	12,820	48,408
ALLEgheny RIVER, PA.-----	176,022	74,087	-----	-----	9,463	-----	-----	-----	11,567
PORT OF CHICAGO, ILL.-----	-----	11,430	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	3,433,627	1,827,815	418,568	632,688	65,137	234,371	29,990	103,562	411,002
OHIO RIVER; ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	-----	-----	-----	-----	-----	-----	897
GULF INTRACOASTAL WATERWAY; MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	-----	-----	-----	-----	-----	-----	-----	-----	2,097
INNERHARBOR NAVIGATION CANAL, LA.-----	-----	-----	-----	-----	-----	-----	-----	-----	6,474
GALVESTON BAY, TEXAS-----	4,616	-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY; CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	-----	-----	-----	-----	-----	-----	4,303	17,458	-----
MISSISSIPPI RIVER; MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	1,764	-----	-----	-----	-----	-----	-----	-----	-----
YAZOO RIVER AND MOUTH, MISS-----	-----	-----	-----	-----	-----	6,640	1,400	14,378	-----
OHIO RIVER; ENGINEER DISTRICT, LOUISVILLE-----	2,400	-----	-----	-----	1,027	-----	6,568	4,173	8,279
OHIO RIVER; ENGINEER DISTRICT, HUNTINGTON-----	13,015	1,493	-----	-----	-----	-----	-----	-----	-----
OHIO RIVER; ENGINEER DISTRICT, PITTSBURGH-----	2,025	23,847	-----	-----	42,748	-----	-----	-----	2,800
TENNESSEE RIVER, TENN., ALA. AND KY.-----	-----	-----	-----	-----	24,092	-----	-----	-----	-----
CUMBERLAND RIVER, TENN., AND KY.-----	-----	-----	-----	-----	17,564	-----	-----	3,000	-----
BIG SANDY RIVER, KY. AND W.VA.-----	52,056	-----	-----	-----	4,924	-----	-----	-----	1,238
KANAWHA RIVER, W.VA.-----	2,401	-----	-----	-----	-----	-----	-----	-----	-----
MONONGAHELA RIVER, PA. AND W.VA.-----	157,089	187,446	-----	-----	-----	855	-----	10,632	-----
TOTAL, SHIPPING AREA-----	163,310	269,766	-----	-----	1,027	91,899	12,271	49,641	21,785
TENNESSEE RIVER, TENN., ALA. AND KY.-----	-----	-----	-----	-----	-----	-----	-----	-----	17,202
SABINE-NECHES WATERWAY, TEXAS-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY; SABINE RIVER TO GALVESTON, TEXAS-----	1,400	-----	-----	-----	-----	-----	120,549	-----	-----
GALVESTON BAY, TEXAS-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY; GALVESTON TO CORPUS CHRISTI, TEXAS-----	18,200	-----	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER; BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	-----	1,400	-----	-----	1,345	-----	-----	-----
MISSISSIPPI RIVER; MOUTH OF OHIO RIVER; BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	-----	-----	5,836	-----	-----	9,028
MISSISSIPPI RIVER; MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	-----	314	10,481	120,549	1,315	34,741
ARKANSAS RIVER, ARK.-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
OHIO RIVER; ENGINEER DISTRICT, LOUISVILLE-----	1,515	5,019	-----	1,505	314	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY.-----	-----	13,400	-----	-----	-----	3,300	-----	-----	2,629
CUMBERLAND RIVER, TENN., AND KY. LAKE MICHIGAN-----	-----	-----	-----	-----	-----	-----	-----	1,315	5,882
TOTAL, SHIPPING AREA-----	21,115	19,819	-----	1,505	314	10,481	120,549	1,315	34,741
CUMBERLAND RIVER, TENN., AND KY./ OHIO RIVER; ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	23,889	-----	-----	-----	-----	-----	-----

Waterborne Commerce of the United States, 1988

TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2918, 2921, 2991)
GREEN AND BARREN RIVERS, KY., MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES			1,351						
BIG SANDY RIVER, KY., AND W. VA., MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES						17,360			
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.						132,420		1,499	
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER								22,812	
MISSISSIPPI RIVER, MINNEAPOLIS, Minn., TO MOUTH OF MISSOURI RIVER								15,474	
YAZOO RIVER AND MOUTH, MISS., OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE	3,035			2,699			15,823	93,145	342,231
OHIO RIVER, ENGINEER DISTRICT, HUNTINGTON	4,862	4,752				24,767	8,337	10,374	24,164
OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH	1,732	3,145				25,107	22,435	78,076	12,426
TENNESSEE RIVER, TENN., ALA., AND KY.						103,042			81,304
CUMBERLAND RIVER, TENN., AND KY., W. VA.	1,471					5,681			86,017
MONONGAHELA RIVER, PA., AND ALLEGHENY RIVER, PA.	1,361							1,308	113,138
BLACK RIVER, WIS.									31,571
PORT OF CHICAGO, ILL.							13,243	25,594	2,024
TOTAL, SHIPPING AREA	9,629	10,729		2,699		308,337	59,838	260,654	694,875
KANAWHA RIVER, W. VA., BIG SANDY RIVER, KY., AND W. VA.			2,863						
MONONGAHELA RIVER, PA., AND W. VA., SABINE-NECHES WATERWAY, TEXAS								2,664	
GULF INTRACOASTAL WATERWAY, GALVESTON, TEXAS									5,241
CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER									
YAZOO RIVER AND MOUTH, MISS., OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE						9,800			
OHIO RIVER, ENGINEER DISTRICT, HUNTINGTON	1,600					10,231			46,316
OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH	1,400	1,600				23,800		2,449	
BIG SANDY RIVER, KY., AND W. VA.		78,985							
TOTAL, SHIPPING AREA	3,000	80,585				43,831		9,902	51,557
ALLEGHENY RIVER, PA., GALVESTON BAY, TEXAS								6,051	
GULF INTRACOASTAL WATERWAY, CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER								10,677	
TOTAL, SHIPPING AREA								16,694	
ILLINOIS RIVER, ILL., SABINE-NECHES WATERWAY, TEXAS	17,664	41,518				31,451			
GULF INTRACOASTAL WATERWAY, SABINE RIVER TO GALVESTON, TEXAS						3,391			
GALVESTON BAY, TEXAS						1,827			
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	32,881					104,420			
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	39,198	23,302			4,456	18,345			
MISSISSIPPI RIVER, MINNEAPOLIS, Minn., TO MOUTH OF MISSOURI RIVER	1,038	5,217				11,018			
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE		35,805							
TENNESSEE RIVER, TENN., ALA., AND KY.						8,991			
ILLINOIS RIVER, ILL.	67,080	44,317			1,293				2,998
BLACK RIVER, WIS.	58,024	21,559							
PORT OF CHICAGO, ILL.		109,571				82,986			
TOTAL, SHIPPING AREA	216,289	281,289			5,749	262,429			2,998

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 4--DOMESTIC INLAND MOVEMENTS OF PETROLEUM AND PETROLEUM PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	GASOLINE (CODE: 2911)	DISTILLATE FUEL OIL (CODE: 2914)	CRUDE PETROLEUM (CODE: 1311)	JET FUEL (CODE: 2912)	KEROSENE (CODE: 2913)	RESIDUAL FUEL OIL (CODE: 2915)	NAPHTHA (CODE: 2917)	LUBRI- CATING OILS AND GREASES (CODE: 2916)	OTHER PETROLEUM PRODUCTS (CODES 2912, 2921, 2991)
LAKE ERIE/ LAKE ERIE-----	-----	-----	-----	-----	-----	2,361	-----	-----	-----
DETROIT AND ROUGE RIVERS, MICH./ DETROIT AND ROUGE RIVERS, MICH.-----	6,522	8,353	-----	-----	-----	143,285	-----	-----	-----
LAKE MICHIGAN/ GALVESTON BAY, TEXAS-----	-----	-----	-----	-----	-----	-----	5,317	1,400	-----
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	-----	-----	-----	-----	1,473	-----
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	-----	-----	-----	-----	-----	-----	-----	-----	1,400
MISSISSIPPI RIVER' MINNEAPOLIS, Minn., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	1,252	2,749	-----	-----	41,637	17,857
TENNESSEE RIVER, TENN., ALA. AND KY.-----	-----	-----	-----	-----	-----	-----	-----	18,352	5,797
ILLINOIS RIVER, ILL.-----	-----	-----	-----	-----	-----	1,946	5,759	-----	-----
LAKE MICHIGAN-----	-----	-----	-----	1,130	-----	18,326	-----	-----	-----
PORT OF CHICAGO, ILL.-----	-----	-----	-----	-----	-----	2,266	-----	-----	-----
TOTAL SHIPPING AREA-----	-----	-----	-----	2,382	2,749	22,938	11,076	62,862	25,054
PORT OF CHICAGO, ILL./ GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	-----	4,754	-----	-----	-----	28,604	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	977	-----	-----	6,012	-----	7,726	-----	20,203	7,180
GALVESTON BAY, TEXAS-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES MISSISSIPPI RIVER BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	-----	-----	-----	-----	11,781	-----	-----	-----
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	-----	-----	-----	70,788	-----	16,883
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	-----	4,530	3,806	-----	-----	29,385	-----	-----	6,363
MISSISSIPPI RIVER' MINNEAPOLIS, Minn., TO MOUTH OF MISSOURI RIVER-----	7,940	1,870	103,060	-----	-----	13,600	-----	-----	46,777
WOLF RIVER, TENN. OHIO RIVER ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	-----	-----	-----	3,548	-----	-----	16,394
OHIO RIVER ENGINEER DISTRICT, HUNTINGTON-----	-----	17,938	13,183	-----	-----	97,744	-----	1,345	-----
OHIO RIVER ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	-----	-----	-----	6,942	-----	-----	3,741
TENNESSEE RIVER, TENN., ALA. AND KY.-----	-----	-----	-----	-----	-----	3,621	-----	-----	5,797
BIG SANDY RIVER, KY. AND W. VA. ILLINOIS RIVER, ILL.-----	29,643	6,339	-----	-----	-----	4,906	41,241	-----	-----
LAKE MICHIGAN-----	8,436	-----	-----	-----	-----	881	-----	-----	-----
PORT OF CHICAGO, ILL.-----	69,982	211,267	48,497	5,456	230	191,094	56,003	-----	249,795
TOTAL SHIPPING AREA-----	87,335	282,353	208,546	5,456	230	470,624	117,447	1,345	429,260
LAKE SUPERIOR/ LAKE SUPERIOR-----	-----	9,871	-----	-----	-----	37,369	-----	-----	-----
LOS ANGELES AND LONG BEACH HARBORS, CALIF./ LOS ANGELES AND LONG BEACH HARBORS, CALIF.-----	-----	243,734	79,864	-----	1	6,698,817	4,140	5,642	19,355
SAN FRANCISCO BAY AREA/ SAN FRANCISCO BAY AREA-----	78,472	257,152	3,219,811	30,774	-----	1,594,790	40,996	29,006	67,873
SAN JOAQUIN RIVER, CALIF. OLD RIVER, CALIF.-----	-----	3,424	-----	-----	-----	121,979	-----	-----	-----
SACRAMENTO RIVER, CALIF.-----	-----	-----	-----	-----	-----	245	-----	-----	-----
TOTAL SHIPPING AREA-----	78,472	260,576	3,219,811	30,774	-----	1,717,737	40,996	29,006	67,873
SAN JOAQUIN RIVER, CALIF./ SAN FRANCISCO BAY AREA-----	5,188	-----	-----	-----	-----	-----	-----	-----	-----
COLUMBIA RIVER VANCOUVER, WASH., TO THE MOUTH-----	-----	441	-----	-----	-----	5,450	-----	3,620	-----
COLUMBIA RIVER VANCOUVER, WASH., TO THE MOUTH-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
COLUMBIA RIVER ABOVE CELICO FALLS TO KENNEWICK, WASH. MILLEMETTE AND YAMhill RIVERS, OREG.-----	16,388	23,707	-----	-----	-----	-----	-----	-----	-----
SNAKE RIVER, OREG., WASH., AND IDAHO-----	5,822	-----	-----	-----	-----	8,513	-----	-----	-----
TOTAL SHIPPING AREA-----	23,390	26,613	-----	-----	-----	13,963	-----	3,620	-----

Waterborne Commerce of the United States, 1988

TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL:
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	PIG IRON (CODE: 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND SEMI-FINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE: 3317)
TOTAL, ALL SHIPPING AREAS-----	595,497	3,086,143	2,442,427	2,463,597	1,186,766
PORT OF NEW YORK, N.Y. AND N.J./ PORT OF NEW YORK, N.Y. AND N.J.-----		422,563	-----	-----	-----
DELAWARE RIVER/ NEW JERSEY SIDE/ BALTIMORE HARBOR AND CHANNELS, MD.-----		8,157	-----	-----	-----
ATLANTIC: INTRACOASTAL WATERWAY: ENGINEER DISTRICT, CHARLESTON-----		1,500	-----	-----	-----
TOTAL, SHIPPING AREA-----		9,657	-----	-----	-----
MANTUA CREEK, N.J./ ATLANTIC INTRACOASTAL WATERWAY: ENGINEER DISTRICT, SAVANNAH-----		-----	-----	2,767	-----
ST. JOHNS RIVER, FLA.-----		-----	-----	9,822	-----
TOTAL, SHIPPING AREA-----		300	-----	12,589	-----
BALTIMORE HARBOR AND CHANNELS, MD./ CHESAPEAKE BAY-----		300	-----	56,276	8
ST. JOHNS RIVER, FLA.-----		-----	-----	56,276	8
TOTAL, SHIPPING AREA-----		300	-----	56,276	8
POTOMAC RIVER AND TRIBUTARIES/ CHESAPEAKE BAY-----		125	-----	-----	-----
HAMPTON ROADS, VA./ BALTIMORE HARBOR AND CHANNELS, MD.-----		3,089	-----	-----	-----
ATLANTIC: INTRACOASTAL WATERWAY: ENGINEER DISTRICT, CHARLESTON-----		3,094	-----	218	-----
TOTAL, SHIPPING AREA-----		6,183	-----	218	-----
CAPE FEAR RIVER, N.C./ ATLANTIC: INTRACOASTAL WATERWAY: ENGINEER DISTRICT, CHARLESTON-----		1,500	-----	-----	-----
ATLANTIC: INTRACOASTAL WATERWAY: ENGINEER DISTRICT, CHARLESTON/ MANTUA CREEK, N.J.-----		-----	-----	5,985	-----
BALTIMORE HARBOR AND CHANNELS, MD.-----		-----	-----	28,658	-----
CAPE FEAR RIVER, N.C.-----		-----	-----	257	-----
ST. JOHNS RIVER, FLA.-----		-----	14,071	4,273	-----
TOTAL, SHIPPING AREA-----		-----	14,071	39,173	-----
SAVANNAH RIVER, GA./ CAPE FEAR RIVER, N.C.-----		-----	-----	12,546	-----
ATLANTIC: INTRACOASTAL WATERWAY: ENGINEER DISTRICT, CHARLESTON-----		-----	-----	4,276	-----
SAVANNAH RIVER, GA.-----		-----	-----	6,278	424
ST. JOHNS RIVER, FLA.-----		-----	-----	7,518	374
TOTAL, SHIPPING AREA-----		-----	-----	30,616	796
INTRACOASTAL WATERWAY, CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FLA./ ATLANTIC: INTRACOASTAL WATERWAY: ENGINEER DISTRICT, CHARLESTON-----		12,502	2,516	-----	-----
INTRACOASTAL WATERWAY, CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FLA.-----		-----	-----	450	-----
TOTAL, SHIPPING AREA-----		12,502	2,516	450	-----
GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA./ WARRIOR RIVER SYSTEM-----		1,500	-----	-----	-----
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----		-----	-----	-----	1,408
ATCHAFALAYA RIVER, LA.-----		-----	-----	-----	1,149
CALCASIEU RIVER AND PASS, LA.-----		-----	5,667	-----	-----
SABINE-NECHEZ WATERWAY, TEXAS-----		2,434	-----	-----	-----
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----		86,239	-----	-----	-----
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----		2,889	-----	-----	-----
MONONGAHELA RIVER, PA. AND W.VA.-----		1,403	-----	-----	-----
TOTAL, SHIPPING AREA-----		94,465	5,667	-----	2,557
GULF OF MEXICO/ GULF OF MEXICO-----		-----	-----	125	17,506
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----		-----	-----	-----	576
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER: LA., TO SABINE: RIVER, TEX.-----		-----	-----	-----	42,193
ATCHAFALAYA RIVER, LA.-----		-----	-----	-----	20
CALCASIEU RIVER AND PASS, LA.-----		-----	-----	-----	381
SABINE-NECHEZ WATERWAY, TEXAS-----		-----	-----	-----	1,304
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----		-----	-----	-----	80
TOTAL, SHIPPING AREA-----		-----	-----	125	62,060
WARRIOR RIVER: SYSTEM/ GULF OF MEXICO-----		4,228	2,950	321,913	96
WARRIOR RIVER SYSTEM-----		-----	-----	1,475	29,231
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----		-----	-----	949	2,370
INNERHARBOR NAVIGATION CANAL, LA.-----		14,398	-----	-----	-----
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER: LA., TO SABINE: RIVER, TEX.-----		-----	-----	1,425	2,876
SABINE-NECHEZ WATERWAY, TEXAS-----		11,920	-----	-----	-----
GALVESTON BAY, TEXAS-----		-----	-----	51,827	25,672
					1,355

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED:
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL SEMITI-FINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES-- MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----			1,455	1,406	
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----	10,612				
MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-- ARKANSAS RIVER, ARK.,-----			1,400	6,499	
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE-- OHIO RIVER, ENGINEER DISTRICT, HUNTINGTON-- OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH-- CUMBERLAND RIVER, TENN. AND KY.,-----			2,900		
MONONGAHELA RIVER, PA. AND W.VA.,----- ALLEGHENY RIVER, PA.,----- PORT OF CHICAGO, ILL.,-----			1,340		
			4,308	3,751	2,429
				14,351	1,000
				1,446	
			1,019		
			2,736		
				14,193	10,412
TOTAL, SHIPPING AREA-----	4,228	46,023	418,400	49,493	36,167
ALABAMA-COOSA RIVERS, ALA. AND GA./ WARRIOR RIVER SYSTEM-----			456		
GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA./ GULF OF MEXICO-----					949
WARRIOR RIVER SYSTEM-----					1,250
GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA.,----- INNERHARBOR NAVIGATION CANAL, LA.,----- SABINE-NECHEZ WATERWAY, TEXAS-----		600			
		10,321			
		9,027			
			4,467		
			984		
GALVESTON BAY, TEXAS-----	1,636				
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----			53,179		1,433
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----			3,722		
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER----- ARKANSAS RIVER, ARK.,-----		2,534			
OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE----- OHIO RIVER, ENGINEER DISTRICT, HUNTINGTON----- OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH----- TENNESSEE RIVER, TENN., ALA. AND KY.,----- CUMBERLAND RIVER, TENN. AND KY.,----- MONONGAHELA RIVER, PA. AND W.VA.,----- LAKE MICHIGAN----- PORT OF CHICAGO, ILL.,-----		1,537	423		
			2,949	2,132	2,898
			17,708	651	1,568
			10,543	3,000	2,800
				17,600	1,600
			3,200	1,370	520
				1,963	3,006
			3,095		2,566
					1,318
TOTAL, SHIPPING AREA-----	36,182	87,202	10,634	35,834	3,799
PEARL RIVER, MISS., AND LA./ MISSISSIPPI RIVER, MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----		1,369			
INNERHARBOR NAVIGATION CANAL, LA./ GULF INTRACOASTAL WATERWAY, APALACHEE BAY, FLA., TO MOBILE BAY, ALA.,----- SABINE-NECHEZ WATERWAY, TEXAS-----			18,409		
MISSISSIPPI RIVER, NEW ORLEANS, LA., TO MOUTH OF PASSES----- MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----				839	912
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----			22,399		
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER----- ARKANSAS RIVER, ARK.,-----		7,519		1,312	
WOLF RIVER, TENN.,----- OHIO RIVER, ENGINEER DISTRICT, LOUISVILLE----- OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH----- CUMBERLAND RIVER, TENN. AND KY.,----- MONONGAHELA RIVER, PA. AND W.VA.,----- ILLINOIS RIVER, ILL.,----- LAKE MICHIGAN----- PORT OF CHICAGO, ILL.,-----		13,734			
		1,357			
			202		
			6,836		2,140
			2,908		
				1,076	2,744
			13,055		
			3,757		
			1,554		
				857	6,830
TOTAL, SHIPPING AREA-----		80,732	9,808	18,266	
WATERWAY FROM EMPIRE, LA., TO GULF OF MEXICO/ ATCHAFALAYA RIVER, LA.,-----					1
GULF INTRACOASTAL WATERWAY, MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX./ GULF OF MEXICO-----					531,914
WARRIOR RIVER SYSTEM-----				2,850	
GULF INTRACOASTAL WATERWAY, MOBILE BAY, ALA., TO NEW ORLEANS, LA.,-----					165
INNERHARBOR NAVIGATION CANAL, LA.,-----		12,612			445
GULF INTRACOASTAL WATERWAY, MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.,-----			5	80	34,626
GULF INTRACOASTAL WATERWAY, PLAGUEMINES TO MORGAN CITY ROUTE, LA.,----- ATCHAFALAYA RIVER, LA.,-----					400
OUACHITA AND BLACK RIVERS, ARK. AND LA.,-----					60
BAYOU VERMILION, LA.,-----					509
SABINE-NECHEZ WATERWAY, TEXAS-----		14,060			1,000
GALVESTON BAY, TEXAS-----					12,279
MISSISSIPPI RIVER, BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----		35,271			4,148
MISSISSIPPI RIVER, MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----		1,479			
MISSISSIPPI RIVER, MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER----- OHIO RIVER, ENGINEER DISTRICT, PITTSBURGH----- CUMBERLAND RIVER, TENN. AND KY.,----- MONONGAHELA RIVER, PA. AND W.VA.,-----		6,403			1,090
					584
			4,717		
TOTAL, SHIPPING AREA-----		76,547	2,930	18,401	569,335

Waterborne Commerce of the United States, 1988

TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL; SEMI-FINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
GULF INTRACOASTAL WATERWAY: PLAQUEMINES TO MORGAN CITY ROUTE, LA./ GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.					
GULF INTRACOASTAL WATERWAY: PLAQUEMINES TO MORGAN CITY ROUTE, LA. ATCHAFALAYA RIVER, LA.					188
SABINE-NECHES WATERWAY, TEXAS MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	12,684				1
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	73,122				
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH	3,987				
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH TENNESSEE RIVER, TENN., ALA., AND KY.	38,480	6,636			
MONONGAHELA RIVER, PA. AND W.VA.	1,009				
ALLEGHENY RIVER, PA.	3,819				
ILLINOIS RIVER, ILL.	5,325				
	19,855				
TOTAL, SHIPPING AREA	165,297				242
ATCHAFALAYA RIVER, LA./ GULF OF MEXICO					
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.		1			5
GULF INTRACOASTAL WATERWAY: PLAQUEMINES TO MORGAN CITY ROUTE, LA. OUACHITA AND BLACK RIVERS, ARK. AND LA.					72
					16
TOTAL, SHIPPING AREA	1				221
OUACHITA AND BLACK RIVERS, ARK. AND LA./ GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.					150
INLAND WATERWAY, FRANKLIN TO MERMANTAU RIVER, LA./ GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.			2		
INLAND WATERWAY, FRANKLIN TO MERMANTAU RIVER, LA.					1
TOTAL, SHIPPING AREA	2				1
BAYOU VERMILION, LA./ GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.					2,790
CALCASIEU RIVER AND PASS, LA./ GULF OF MEXICO					2,579
SABINE-NECHES WATERWAY, TEXAS/ GULF OF MEXICO					3,097
MARSH RIVER SYSTEM					
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.			10,880	1,312	
CALVESTON BAY, TEXAS					
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES	1,420	1,158			1,687
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	2,500				1,400
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	4,210				
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	2,710	16,084			1,289
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	1,345	1,396			
ARKANSAS RIVER, ARK.					
WOLF RIVER, TENN.					7,155
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE			10,551	40,288	
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH			52,226	12,092	
TENNESSEE RIVER, TENN., ALA. AND KY.			9,445	2,660	
CUMBERLAND RIVER, KY.			12,314		
KENTUCKY RIVER, KY.			9,531	6,496	
MONONGAHELA RIVER, PA. AND W.VA.					583
PORT OF CHICAGO, ILL.			30,698	1,364	
					9,404
TOTAL, SHIPPING AREA	12,185	154,281	84,443	6,186	
GALVESTON BAY, TEXAS/ GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.					
SABINE-NECHES WATERWAY, TEXAS	50,003			300	1,300
GALVESTON BAY, TEXAS					
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS					4,600
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	1,450				4,407
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES	7,336			415	8,620
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.					
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	53,501			7,052	
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	3,000				
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	2,863	6,960			
ARKANSAS RIVER, ARK.			1,581	838	
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE			1,321		
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON					
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH			1,868	3,167	1,300
MONONGAHELA RIVER, PA. AND W.VA.			1,450		
ALLEGHENY RIVER, PA.			5,826	2,973	
LAKE MICHIGAN			2,747		1,793
			10,742		
			2,765		

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988
(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL SEMITI-FINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
PORT OF CHICAGO, ILL.	21,621	3,039	2,711	1,500	
TOTAL, SHIPPING AREA	167,175	17,871	16,276	21,727	
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS/ SABINE-NECHES WATERWAY, TEXAS	34,733				
GULF INTRACOASTAL WATERWAY: SABINE RIVER TO GALVESTON, TEXAS/ GALVESTON BAY, TEXAS	2,700				183
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS/ GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER/ MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	7,091				9,200
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	1,405				235
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH	2,814				
PORT OF CHICAGO, ILL.	4,381				
TOTAL, SHIPPING AREA	53,164				9,618
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER/ SABINE-NECHES WATERWAY, TEXAS	16,932				
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS					1,221
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER/ MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	21,130				846
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH				1,666	
TOTAL, SHIPPING AREA	38,062			1,666	2,067
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES/ GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.		390	46,889		
GULF OF MEXICO	30				
WARRIOR RIVER SYSTEM	5,676	272	27,104	32,420	
INNERHARBOR NAVIGATION CANAL, LA.			619		
LAKE MAUREPAS, LA.				1,106	
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.					
GALVESTON BAY, TEXAS			6,147	55,161	
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER/ MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES	1,376	22,037	37,419	157,669	
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		7,336	2,612	627	
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.		1,330	16,140	5,848	
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER		1,083	3,873		
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER		9,625	27,006	240	
YAZOO RIVER AND MOUTH, MISS.		42,699	46,522	20,009	
ARKANSAS RIVER, ARK.		5,765	16,995	7,746	
WOLF RIVER, TENN.		4,022	24,588		
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE	1,456	26,886	71,702	13,659	
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON	1,395	16,149	35,244		
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH	1,346	88,827	134,260	5,491	
TENNESSEE RIVER, TENN., ALA., AND KY.	1,350		5,473		
CUMBERLAND RIVER, TENN., AND KY.		82,489	40,436	3,200	
GREEN AND BARREN RIVERS, KY.		2,606	896	587	
LITTLE KANAHAA RIVER, N.VA.		57,078	39,500	2,550	
MONONGAHELA RIVER, PA, AND N.VA.			854		
MISSOURI RIVER			452		
ILLINOIS RIVER, ILL.		2,204	7,971		
LAKE MICHIGAN		6,305			
PORT OF CHICAGO, ILL.	1,400	25,356	41,809	979	
TOTAL, SHIPPING AREA	2,909	37,857	5,645		
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA./ WARRIOR RIVER SYSTEM	15,554	1,758	146,905	208,595	34,059
SABINE-NECHES WATERWAY, TEXAS		607,684	857,029		312,098
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER/ MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES	25,457				
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA./ MISSISSIPPI RIVER: MOUTH OF OHIO RIVER	25,200	2,526		1,256	
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	22,838	14,390	2,965		
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA./ MISSISSIPPI RIVER: MOUTH OF OHIO RIVER	30,079	789			
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING BATON ROUGE, LA.		2,857	1,622		
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	1,362	2,888			
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	14,358	2,588			431
ARKANSAS RIVER, ARK.	32,000	1,503			4,128
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE	25,442	7,052	22,218	40,040	
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON	14,080	700	1,202	1,527	
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH	2,858				
TENNESSEE RIVER, TENN., ALA., AND KY.	79,203	3,146	130,436	10,503	
CUMBERLAND RIVER, TENN., AND KY.	70,610		22,000	43,133	
MONONGAHELA RIVER, PA, AND N.VA.	5,863	1,500	7,128		
ILLINOIS RIVER, ILL.			8,492	222	
BLACK RIVER, WIS.	1,362				
Lake Michigan	25,071	17,859	6,070		
PORT OF CHICAGO, ILL.	114,453	14,312	18,366	85,410	1,550
TOTAL, SHIPPING AREA	490,196	72,186	221,299	182,091	7,409

Waterborne Commerce of the United States, 1988

TABLE 5--DOMESTIC: INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED:
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	PIG IRON (CODE: 3311)	IRON AND STEEL SCRAP (CODE: 4011)	IRON AND STEEL SEMITIREFINED PRODUCTS (CODE: 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA./ SABINE-NECHES WATERWAY, TEXAS-----		2,844	-----	-----	-----
GALVESTON BAY, TEXAS-----		1,687	-----	-----	-----
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----		-----	11,180	-----	-----
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	66,591	-----	-----	-----	-----
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.,-----		5,618	-----	-----	-----
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----		-----	-----	1,000	-----
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	27,732	-----	-----	12,673	-----
ARKANSAS RIVER, ARK-----	3,799	-----	-----	-----	-----
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	1,500	-----	-----
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH-----	-----	9,051	2,603	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY-----	-----	-----	1,281	-----	-----
MONONGAHELA RIVER, PA. AND W.VA-----	-----	3,728	-----	-----	-----
MISSOURI RIVER-----	-----	1,420	-----	-----	-----
ILLINOIS RIVER, ILL-----	-----	5,365	-----	-----	-----
Lake Michigan-----	-----	1,400	-----	-----	-----
PORT OF CHICAGO, ILL-----	-----	1,362	672	-----	-----
TOTAL, SHIPPING AREA-----	130,597	17,236	13,678	-----	-----
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER/ WARRIOR RIVER SYSTEM-----		-----	4,415	2,167	-----
INNERHARBOR NAVIGATION CANAL, LA-----	1,500	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX-----	-----	-----	8,222	1,099	-----
GULF INTRACOASTAL WATERWAY: PLAQUEMINES TO MORGAN CITY ROUTE, LA-----	800	-----	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	1,395	-----	91,557	19,185	-----
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----	416	-----	-----	-----	-----
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	97,938	-----	-----	1,342	-----
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA-----	4,020	-----	-----	-----	-----
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	3,000	-----	-----	-----	-----
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	2,857	895	-----	-----	1,329
ARKANSAS RIVER, ARK-----	-----	-----	4,630	-----	-----
WOLF RIVER, TENN-----	-----	-----	2,591	6,468	-----
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH-----	1,443	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY-----	-----	-----	3,163	5,328	-----
ILLINOIS RIVER, ILL-----	1,399	368	-----	9,895	-----
Lake Michigan-----	-----	-----	-----	4,346	-----
PORT OF CHICAGO, ILL-----	11,316	-----	-----	-----	510
TOTAL, SHIPPING AREA-----	126,084	116,041	51,160	510	-----
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER/ MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	-----	22,304	-----	-----	-----
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA-----	21,249	-----	-----	-----	-----
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	767	-----	7,726	-----	-----
TENNESSEE RIVER, TENN., ALA. AND KY-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	44,320	7,726	-----	-----	-----
YAZOO RIVER AND MOUTH, MISS./ MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	-----	-----	391	-----
ARKANSAS RIVER, ARK./ SABINE-NECHES WATERWAY, TEXAS-----	19,849	-----	-----	-----	-----
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	37,273	-----	-----	-----	-----
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA-----	2,899	-----	-----	-----	-----
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	1,107	-----	-----	-----	-----
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	1,404	-----	-----	-----	-----
ARKANSAS RIVER, ARK-----	1,355	-----	-----	-----	-----
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-----	1,361	-----	-----	12,388	-----
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	-----	-----	-----
MONONGAHELA RIVER, PA. AND W.VA-----	1,271	-----	-----	-----	-----
ILLINOIS RIVER, ILL-----	1,270	-----	-----	-----	-----
PORT OF CHICAGO, ILL-----	2,766	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	70,595	-----	12,388	-----	-----
WOLF RIVER, TENN./ MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.,-----	-----	1,442	-----	1,427	-----
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON-----	-----	1,431	-----	765	-----
ILLINOIS RIVER, ILL-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	2,873	-----	2,192	-----	-----
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-----	-----	4,566	-----	-----	-----
INNERHARBOR NAVIGATION CANAL, LA-----	-----	81,541	-----	-----	-----
SABINE-NECHES WATERWAY, TEXAS-----	-----	2,519	-----	25,478	-----
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	-----	1,580	-----	-----

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL SEMITRANSHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	156,911				
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	22,821	890			
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-- ARKANSAS RIVER, ARK.	52,392		1,368		
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-- OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-- OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-- TENNESSEE RIVER, TENN., ALA. AND KY.-- MONONGAHELA RIVER, PA. AND W.VA.-- ALLEgheny RIVER, PA.-- ILLINOIS RIVER, ILL.-- LAKE MICHIGAN-- PORT OF CHICAGO, ILL.	8,459 4,739 53,098 29,992			39,625 1,877 4,385 600	
TOTAL, SHIPPING AREA	493,728	890	9,810	67,008	
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON/ GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-- GALVESTON BAY, TEXAS-- GULF INTRACOASTAL WATERWAY' GALVESTON TO CORPUS CHRISTI, TEXAS-- GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-- MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		10,215 1,433 4,464	31,461	500 7,452	
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.		1,878	1,872		
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-- ARKANSAS RIVER, ARK.		17,575	20,631	7,150	
WOLF RIVER, TENN.-- OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-- OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-- OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-- TENNESSEE RIVER, TENN., ALA. AND KY.-- CUMBERLAND RIVER, TENN. AND KY.	1,463 4,261 1,483 1,466	16,613 5,955 11,859 38,895	50,216 47,418 1,120 3,321	2,933 1,491	
TOTAL, SHIPPING AREA	5,744	23,461	100,869	170,100	19,526
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH/ WARRIOR RIVER SYSTEM-- GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-- SABINE-NECHEZ WATERWAY, TEXAS-- GALVESTON BAY, TEXAS-- GULF INTRACOASTAL WATERWAY' CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-- MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-- MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		7,182	18,950		
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.		1,150		762	
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-- MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-- ARKANSAS RIVER, ARK.	1,427	4,935	24,552 15,257 11,196	50,378 1,107 19,734	32,633
WOLF RIVER, TENN.-- OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-- OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-- OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-- TENNESSEE RIVER, TENN., ALA. AND KY.-- CUMBERLAND RIVER, TENN. AND KY.	17,754 3,040 1,500 1,448 1,502	1,053 8,846 5,809 123,423 2,387	34,308 3,619 40 39,774	2,378 14,018 1,369	
MONONGAHELA RIVER, PA. AND W.VA.-- ALLEgheny RIVER, PA.-- MISSOURI RIVER-- ILLINOIS RIVER, ILL.-- BLACK RIVER, WI.-- LAKE MICHIGAN-- PORT OF CHICAGO, ILL.		11,326 8,105 4,359 11,196 1,326 2,209		14,200 545	
TOTAL, SHIPPING AREA	42,327	43,960	323,554	409,477	35,697
TENNESSEE RIVER, TENN., ALA. AND KY./ GULF INTRACOASTAL WATERWAY' MOBILE BAY, ALA., TO NEW ORLEANS, LA.	1,561				
GULF INTRACOASTAL WATERWAY' PLAQUEMINES TO MORGAN CITY ROUTE, LA.	1,379				
CALCASIEU RIVER AND PASS, LA.-- SABINE-NECHEZ WATERWAY, TEXAS-- MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		1,608			
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.	8,795				
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-- ARKANSAS RIVER, ARK.	7,524 8,147			1,405	6,291
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-- OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-- OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-- TENNESSEE RIVER, TENN., ALA. AND KY.	14,168 2,667	1,400 2,820		1,400	
KAHAMA RIVER, W.VA.-- MONONGAHELA RIVER, PA. AND W.VA.-- ALLEgheny RIVER, PA.-- ILLINOIS RIVER, ILL.-- MINNESOTA RIVER, MINN.		75			
LAKE MICHIGAN-- PORT OF CHICAGO, ILL.	26,630 9,904			5,600	8,850
TOTAL, SHIPPING AREA	87,155	5,824	10,123	3,872	19,013

Waterborne Commerce of the United States, 1988

TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1986

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL SEMI-FINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
CUMBERLAND RIVER, TENN., AND KY./ SABINE-NECHEZ WATERWAY, TEXAS-----	1,344	-----	-----	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	45,676	1,296	1,405	-----	-----
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	6,566	1,450	-----	-----	-----
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	79,498	-----	-----	-----	-----
ARKANSAS RIVER, ARK.-----	1,216	-----	-----	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON-----	11,312	-----	1,327	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH-----	17,202	-----	-----	1,032	-----
CUMBERLAND RIVER, TENN., AND KY.-----	-----	-----	-----	-----	-----
MONONGAHELA RIVER, PA., AND W.VA.-----	1,411	-----	-----	-----	-----
ALLEgheny RIVER, PA.-----	2,847	-----	-----	-----	-----
MISSOURI RIVER-----	2,613	-----	-----	-----	-----
ILLINOIS RIVER, ILL.-----	15,831	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	184,516	2,746	3,764	-----	-----
ANAWHA RIVER, W.VA./ MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	4,042	-----	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH-----	5,900	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA., AND KY.-----	2,950	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	12,892	-----	-----	-----	-----
MONONGAHELA RIVER, PA., AND W.VA./ WARRIOR RIVER SYSTEM-----	2,597	-----	5,406	42,736	-----
GALVESTON BAY, TEXAS-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	1,075	-----	-----	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	20,023	-----	-----	-----	-----
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	1,266	-----	1,472	-----	-----
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	2,821	-----	-----	-----	-----
ARKANSAS RIVER, ARK.-----	-----	15,310	-----	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE-----	3,670	90,562	3,935	-----	-----
TENNESSEE RIVER, TENN., ALA., AND KY.-----	1,427	3,725	-----	-----	-----
MONONGAHELA RIVER, PA., AND W.VA.-----	1,400	-----	-----	-----	-----
ALLEgheny RIVER, PA.-----	2,226	-----	-----	4,800	-----
PORT OF CHICAGO, ILL.-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	36,509	115,003	52,941	-----	-----
ALLEgheny RIVER, PA./ MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	1,656	-----	-----	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE-----	-----	1,400	-----	-----	-----
ALLEgheny RIVER, PA.-----	33,177	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	34,833	1,400	-----	-----	-----
MISSOURI RIVER/ MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	1,235	-----	-----	-----
ILLINOIS RIVER, ILL./ GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	-----	2,133	3,004	-----	-----
SABINE-NECHEZ WATERWAY, TEXAS-----	1,512	-----	-----	-----	-----
GALVESTON BAY, TEXAS-----	1,409	998	7,568	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	6,922	1,533	-----	-----	-----
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	6,158	4,066	-----	-----
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	4,300	-----	1,405	-----	-----
ARKANSAS RIVER, ARK.-----	-----	6,003	6,487	-----	-----
WOLF RIVER, TENN.-----	-----	6,751	17,103	-----	-----
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE-----	-----	7,441	11,104	-----	-----
CUMBERLAND RIVER, TENN., AND KY.-----	-----	4,014	9,827	-----	-----
MISSOURI RIVER-----	-----	4,554	-----	-----	-----
ILLINOIS RIVER, ILL.-----	2,670	-----	-----	-----	-----
Lake Michigan-----	1,482	-----	-----	-----	-----
PORT OF CHICAGO, ILL.-----	1,615	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	19,910	38,585	60,964	-----	-----
Lake Michigan/ GULF INTRACOASTAL WATERWAY/ APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	-----	4,219	12,142	-----	-----
WARRIOR RIVER SYSTEM-----	-----	18,852	15,433	-----	-----
GULF INTRACOASTAL WATERWAY/ MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	-----	1,319	19,671	-----	-----
INNERHARBOR NAVIGATION CANAL, LA.-----	-----	1,057	7,053	-----	-----
LAKE PONTCHARTRAIN, LA.-----	-----	-----	1,000	-----	-----
GULF INTRACOASTAL WATERWAY/ MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	-----	8,602	23,596	-----	-----
SABINE-NECHEZ WATERWAY, TEXAS-----	23,036	-----	4,000	-----	-----
GALVESTON BAY, TEXAS-----	-----	36,066	6,399	-----	-----
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS-----	-----	-----	1,400	-----	-----
GULF INTRACOASTAL WATERWAY/ CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	16,800	2,682	3,000	1,400	-----
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	9,257	2,800	-----	-----
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	51,721	1,396	7,283	-----	-----

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 5--DOMESTIC INLAND MOVEMENTS OF IRON AND STEEL--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	PIG IRON (CODE 3311)	IRON AND STEEL SCRAP (CODE 4011)	IRON AND STEEL SEMI-FINISHED PRODUCTS (CODE 3314)	IRON AND STEEL FINISHED PRODUCTS (CODES 3315, 3316, 3319)	IRON AND STEEL PIPE AND TUBE (CODE 3317)
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.		7,215	14,879	12,670	
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER			5,468	1,487	
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER			789	806	
ARKANSAS RIVER, ARK.	1,266		22,105	6,798	
WOLF RIVER, TENN.			30,182	6,598	
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON			3,665	3,697	
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH				1,332	
TENNESSEE RIVER, TENN., ALA. AND KY.			5,665	4,007	
CUMBERLAND RIVER, TENN., AND KY.			24,153	14,365	
MISSOURI RIVER			1,200		
ILLINOIS RIVER, ILL.	30,454		2,636	4,770	
PORT OF CHICAGO, ILL.				10,334	
TOTAL SHIPPING AREA	1,266	129,226	196,152	169,051	1,400
PORT OF CHICAGO, ILL./ INNERHARBOR NAVIGATION CANAL, LA.				877	
GULF INTRACOASTAL WATERWAY' MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.			1,400	4,299	
GULF INTRACOASTAL WATERWAY' PLACQUEMINES TO MORGAN CITY ROUTE, LA.				1,400	
SABINE-NECHEZ WATERWAY, TEXAS		151,209		10,420	
GALVESTON BAY, TEXAS			11,251	21,171	
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES		1,106	2,459	15,538	
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.				65,658	2,816
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER, TO BUT NOT INCLUDING BATON ROUGE, LA.		39,529	2,511	1,251	
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER		2,645	6,209		
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	17,486			3,094	
ARKANSAS RIVER, ARK.			2,365	2,422	
WOLF RIVER, TENN.			1,108	2,693	
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON			1,283		
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH				1,400	
TENNESSEE RIVER, TENN., ALA. AND KY.				2,800	
CUMBERLAND RIVER, TENN., AND KY.			20,005	2,287	
ILLINOIS RIVER, ILL.	9,025			20,378	
Lake Michigan	1,592			1,400	
TOTAL SHIPPING AREA		288,250	48,549	94,200	
LOS ANGELES AND LONG BEACH HARBOURS, CALIF./ LOS ANGELES AND LONG BEACH HARBOURS, CALIF.					1,227
PUGET SOUND AND TRIBUTARY WATERS/ PUGET SOUND AND TRIBUTARY WATERS		300			2,290
LOWER & UPPER SOUTHEAST ALASKA/ LOWER & UPPER SOUTHEAST ALASKA		1,936		10	7
PRINCE WILLIAM & COOK INLET, ALASKA AREA/ PRINCE WILLIAM & COOK INLET, ALASKA AREA					265
ALASKA PENINSULA/ ALASKA PENINSULA					12

Waterborne Commerce of the United States, 1988

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOL (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2871, 2872, 2873, 2879)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
TOTAL, ALL SHIPPING AREAS-----	1,638,252	5,925,540	1,950,343	5,244,261	4,430,904	23,526,180	12,176,342
THAMES RIVER, CONN./ THAMES RIVER, CONN.			28,866				
PORT OF NEW YORK, N.Y. AND N.J./ PORT OF NEW YORK, N.Y. AND N.J.		24,475		1,903	37,247	174,376	2,248
PORT OF CHICAGO, ILL.							
TOTAL, SHIPPING AREA-----		24,475		1,903	37,247	176,624	
DELAWARE RIVER/ NEW JERSEY SIDE/ DELAWARE RIVER/ NEW JERSEY SIDE-----			2,800			4,679	
DELAWARE RIVER/ PENNSYLVANIA AND DELAWARE SIDE-----			5,244			22,124	
SCHUYLKILL RIVER, PA.						3,453	
BALTIMORE HARBOR AND CHANNELS, MD.			71,032		17,862		
HAMPTON ROADS, VA.			35,100				
TOTAL, SHIPPING AREA-----			118,976		17,862	30,256	
DELWARE RIVER/ PENNSYLVANIA AND DELAWARE SIDE/ DELAWARE RIVER/ NEW JERSEY SIDE-----			63,110		18,972	2,670	
DELAWARE RIVER/ PENNSYLVANIA AND DELAWARE SIDE-----		14,980				245,513	
MANTUA CREEK, N.J.			4,660				
CHRISTINA RIVER, DEL.		14,800				248	
BALTIMORE HARBOR AND CHANNELS, MD.			53,025		1,020		
JAMES RIVER, VA.			22,730			244,262	
HAMPTON ROADS, VA.			4,250		3,560		
SAVANNAH RIVER, GA.			11,070				
TOTAL, SHIPPING AREA-----		29,789	159,245		23,572	492,693	
CHRISTINA RIVER, DEL./ DELAWARE RIVER/ PENNSYLVANIA AND DELAWARE SIDE-----		32,534				8,636	
SCHUYLKILL RIVER, PA.		6,141					
TOTAL, SHIPPING AREA-----		38,675				8,636	
SCHUYLKILL RIVER, PA./ DELAWARE RIVER/ NEW JERSEY SIDE-----			5,791				
DELAWARE RIVER/ PENNSYLVANIA AND DELAWARE SIDE-----		3,446				212,351	
TOTAL, SHIPPING AREA-----		9,237				212,351	
BALTIMORE HARBOR AND CHANNELS, MD./ DELAWARE RIVER/ PENNSYLVANIA AND DELAWARE SIDE-----							
MISPILLION RIVER, DEL.			183,626		9,800		10,171
BALTIMORE HARBOR AND CHANNELS, MD.							24,260
TOTAL, SHIPPING AREA-----			183,626		9,800		34,431
JAMES RIVER, VA./ NANTICOKE RIVER, DEL. AND MD.						12,918	
BALTIMORE HARBOR AND CHANNELS, MD.							11,530
HAMPTON ROADS, VA.							12,652
INTRACOASTAL WATERWAY, CALOOSAHATCHEE RIVER TO ANCLOTE RIVER, FLA.							290,426
TOTAL, SHIPPING AREA-----						12,918	10,958
HAMPTON ROADS, VA./ DELAWARE RIVER/ PENNSYLVANIA AND DELAWARE SIDE-----							
MISPILLION RIVER, DEL.							2,945
CHESAPEAKE BAY-----							3,685
NANTICOKE RIVER, DEL. AND MD.							3,663
BALTIMORE HARBOR AND CHANNELS, MD.							3,252
YORK RIVER, VA.							9,701
JAMES RIVER, VA.							5,969
HAMPTON ROADS, VA.							2,746
ROANOKE RIVER, N.C.							9,394
NEUSE RIVER, N.C.							1,306
SAVANNAH RIVER, GA.			750				2,533
TOTAL, SHIPPING AREA-----			750				44,724
PAMLICO AND TAR RIVERS, N.C./ NANTICOKE RIVER, DEL. AND MD.							
BALTIMORE HARBOR AND CHANNELS, MD.							20,339
ATLANTIC INTRACOASTAL WATERWAY/ ENGINEER DISTRICT, WILMINGTON-----							5,866
TOTAL, SHIPPING AREA-----						390,200	1,412,000
CAPE FEAR RIVER, N.C./ NEUSE RIVER, N.C.							
CAPE FEAR RIVER, N.C.							6,453
NORTHEAST (CAPE FEAR) RIVER, N.C.			138,638			478,039	
SAVANNAH RIVER, GA.					18,043		
TOTAL, SHIPPING AREA-----			138,638		18,043	478,039	76,068

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA	COAL TAR (CODE 2611)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2873, 2875, 2876)
SAVANNAH RIVER, GA./ DELAWARE RIVER, PENNSYLVANIA AND DELAWARE SIDE-----							11,650 -----
ROANOKE RIVER, N.C.-----							20,792 -----
NEUSE RIVER, N.C.-----							11,755 -----
CAPE FEAR RIVER, N.C.-----							5,690 -----
SAVANNAH RIVER, GA.-----	1,490				4,441		
TOTAL, SHIPPING AREA-----	1,499	-----	-----	-----	4,441	11,650	38,237
ATLANTIC INTRACOASTAL WATERWAY ENGINEER DISTRICT, SAVANNAH / ST. JOHNS RIVER, FLA.-----					4,200		
ST. JOHNS RIVER, FLA./ ATLANTIC INTRACOASTAL WATERWAY ENGINEER DISTRICT, SAVANNAH -----					38,321		
GULF INTRACOASTAL WATERWAY APALACHEE BAY, FLA., TO MOBILE BAY, ALA./ WARRIOR RIVER SYSTEM-----							2,861
APALACHICOLA, CHATTahoochee AND FLINT RIVERS, GA. AND FLA./ ILLINOIS RIVER, ILL.-----							3,000
GULF OF MEXICO/ GULF OF MEXICO-----			12	8		10,526	-----
GULF INTRACOASTAL WATERWAY MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----						32,637	-----
ATCHAFALAYA RIVER, LA.-----						16	-----
CALCASIEU RIVER AND PASS, LA.-----						1	-----
MISSISSIPPI RIVER NEW ORLEANS, LA., TO MOUTH OF PASSES-----						30	-----
TOTAL, SHIPPING AREA-----		12	8	-----	43,210		-----
WARRIOR RIVER SYSTEM/ GULF INTRACOASTAL WATERWAY APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----					11,700		
APALACHICOLA, CHATTahoochee AND FLINT RIVERS, GA. AND FLA.-----							1,229
WARRIOR RIVER SYSTEM-----					63,350		-----
GULF INTRACOASTAL WATERWAY MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----					4,790		13,741
CALCASIEU RIVER AND PASS, LA.-----					1,200	334	-----
GALVESTON BAY, TEXAS-----					1,383	40,836	-----
MISSISSIPPI RIVER NEW ORLEANS, LA., TO MOUTH OF PASSES-----						1,370	-----
MISSISSIPPI RIVER BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----					3,300	52,859	1,474
MISSISSIPPI RIVER MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----						1,385	-----
MISSISSIPPI RIVER MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----						1,497	-----
MISSISSIPPI RIVER MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----							4,756
YAZOO RIVER AND MOUTH, MISS.-----							1,302
ARKANSAS RIVER, ARK.-----						3,840	-----
WOLF RIVER, TENN.-----							1,666
OHIO RIVER ENGINEER DISTRICT, LOUISVILLE-----						5,603	5,835
TENNESSEE RIVER, TENN., ALA. AND KY.-----					18,474	63,565	9,182
CUMBERLAND RIVER, TENN. AND KY.-----							8,935
GREEN AND BARREN RIVERS, KY.-----						9,373	-----
KANAWHA RIVER, W.VA.-----					3,600		
MONONGAHELA RIVER, PA. AND W.VA.-----						1,292	-----
PORT OF CHICAGO, ILL.-----						9,581	-----
TOTAL, SHIPPING AREA-----					107,797	191,485	46,120
GULF INTRACOASTAL WATERWAY MOBILE BAY, ALA., TO NEW ORLEANS, LA./ APALACHICOLA, CHATTahoochee AND FLINT RIVERS, GA. AND FLA.-----						20,071	-----
GULF OF MEXICO-----						12	-----
GULF INTRACOASTAL WATERWAY MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----						16,566	12,255
MEMENTAL RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.-----							3,106
SABINE NECHES WATERWAY, TEXAS-----	29,567						
GALVESTON BAY, TEXAS-----						50,641	20,023
GULF INTRACOASTAL WATERWAY GALVESTON TO CORPUS CHRISTI, TEXAS-----							1,641
GULF INTRACOASTAL WATERWAY CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----						2,370	-----
MISSISSIPPI RIVER NEW ORLEANS, LA., TO MOUTH OF PASSES-----						2,205	-----
MISSISSIPPI RIVER BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	1,489	147,240				54,454	11,335

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.					12,178		1,515
OUACHITA AND BLACK RIVERS, ARK. AND LA.					42,496		
CALCASIEU RIVER AND PASS, LA.					51,789	11,176	
SABINE-NECHES WATERWAY, TEXAS				1,385	19,075		
GALVESTON BAY, TEXAS	5,600	1,024	15,562	4,379	203,009	183,168	4,551
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS					76,167	140,688	2,014
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER					22,842	18,747	
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	600				54,101	18,898	14,285
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.					60,437		4,398
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER					80,681		1,435
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER					11,325		
ARKANSAS RIVER, ARK.					1,231		5,876
WOLF RIVER, TENN.					18,116		
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE					67,777		5,762
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH				11,200			
TENNESSEE RIVER, TENN., ALA., AND KY.					3,427	25,972	
CUMBERLAND RIVER, TENN. AND KY.					1,403		
KANAWHA RIVER, W. VA.				698		2,119	
MISSOURI RIVER					9,148		
ILLINOIS RIVER, ILL.					113,705	18,250	4,195
PORT OF CHICAGO, ILL.							
TOTAL, SHIPPING AREA	6,200	1,024	15,562	17,662	872,199	419,912	47,862
SABINE-NECHES WATERWAY, TEXAS							
GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.	729	1,360		14,326			
ESCAMBIA AND CONECUM RIVERS, FLA., AND ALA.						75,120	
GULF OF MEXICO						57	
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.		26,901					
PEARL RIVER, MISS., AND LA.						12,600	
CALCASIEU RIVER AND PASS, LA.			1,600	34,047			
SABINE-NECHES WATERWAY, TEXAS	18,763	111,366	8,000	17,444		119,696	
GALVESTON BAY, TEXAS	86,352	430,855	25,974	466,637		180,980	
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS	1,400	24,733	6,800	3,432	29,573	310,362	10,501
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	17,626	42,864		26,472			14,058
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSAGE	3,000	10,289		5,512		2,301	
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	1,638	307,177	1,600	76,553		2,250	
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.				16,783			
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	1,529	4,334		1,431			
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER		61,717		5,668			
ARKANSAS RIVER, ARK.		2,800		13,880			
WOLF RIVER, TENN.		8,390					
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE				38,886			
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON				25,863		118,971	
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH		2,650		6,050			
CUMBERLAND RIVER, TENN. AND KY.				2,701			
KANAWHA RIVER, W. VA.				189,431		1,879	
ALLEgheny River, PA.				23,994			
MISSOURI RIVER				1,399			
ILLINOIS RIVER, ILL.				21,926		1,338	
PORT OF CHICAGO, ILL.							
TOTAL, SHIPPING AREA	131,037	1,035,436	43,974	994,431	24,573	823,558	24,559
GULF INTRACOASTAL WATERWAY: SABINE RIVER TO GALVESTON, TEXAS							
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	2,901						
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE					3,268		
ALLEGHENY RIVER, PA.							1,600
TOTAL, SHIPPING AREA	2,901				3,268		1,600
GALVESTON BAY, TEXAS							
GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.	949	3,646		8,452		8,049	
APalachicola, Chatahoochee And Flint Rivers, GA., AND FLA.							
ESCAMBIA AND CONECUM RIVERS, FLA., AND ALA.						14,039	6,100
WARRIOR RIVER SYSTEM						7,032	
ALABAMA-CODDA RIVERS, ALA., AND GA.					9,125		
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.	8,122	82,186		1,033			5,999

Waterborne Commerce of the United States, 1988

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED:
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	COAL TAR (CODE 28113)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2871, 2872, 2873, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2671, 2672, 2673, 2679)
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.						958	
GULF INTRACOASTAL WATERWAY: PLAQUEMINES TO MORGAN CITY ROUTE, LA.							7,863
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.							12,155
CALCASIEU RIVER AND PASS, LA.		1,087	5,920	23,764	65,315	74,256	
SABINE-NECHES WATERWAY, TEXAS	7,023	242,206	4,266	36,634	10,740	316,380	1,500
GALVESTON BAY, TEXAS	186,739	1,205,929	193,863	1,004,520	81,702	1,783,065	7,223
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS	21,145	215,057	492,283	69,345	62,574	615,148	7,145
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	43,872	136,222	-----	356,284	-----	54,337	2,674
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES		31,050	-----	5,596	11,145	61,789	
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		187,032	14,160	88,117	1,200	552,018	
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.						10,600	17,946
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER	460	7,814	-----	4,250	2,407	9,478	
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER	16,925	52,768	-----	-----	3,889	27,538	16,009
ARKANSAS RIVER, ARK.		6,249	-----	-----	4,968	831	4,390
WHITE RIVER, TENN.		465	-----	1,637	-----	4,350	2,995
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE		3,805	1,533	15,306	6,771	499,682	40,475
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON			9,230	56,306	-----	168,377	1,490
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH			1,359	-----	-----	317,748	
TENNESSEE RIVER, TENN., ALA. AND KY.	105,381					336,636	7,379
CUMBERLAND RIVER, TENN. AND KY.						111,095	2,920
KANAWHA RIVER, W.VA.				118,207	-----	229,301	
MONONGAHELA RIVER, PA. AND W.VA.				16,175	-----	24,278	
ALLEgheny RIVER, PA.				1,400	-----	2,623	10,366
MISSOURI RIVER	50,032	1,562	-----	-----	-----	304,336	13,321
MISSOURI RIVER, MINN.						-----	1,481
Lake Michigan						22,627	
PORT OF CHICAGO, ILL.				45,196	-----	111,633	1,399
TOTAL, SHIPPING AREA	400,648	2,187,667	712,025	1,852,426	259,836	5,664,803	172,430
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS							
GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.						1,098	
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.						2,199	
ESCAMBIA AND CONECUA RIVERS, FLA. AND ALA.						83,682	
WARRIOR RIVER SYSTEM						14,294	
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.						4,418	
PEARL RIVER, MISS. AND LA.						2,704	
CALCASIEU RIVER AND PASS, LA.		6,214	-----	-----	31,513		
SABINE-NECHES WATERWAY, TEXAS		180,320	-----	118,730	29,875	151,849	
GALVESTON BAY, TEXAS	63,276				23,931	896,650	
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS	25,962	52,568	-----	-----	76,722	392,366	2,123
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER	8,220	36,952	-----	-----	282,118	43,500	7,512
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES						4,471	
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.		185,075	-----	10,838	68,204	187,673	
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT: INCLUDING BATON ROUGE, LA.				1,450	-----	75,903	
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH: OF OHIO RIVER		1,412	-----	-----	2,731	1,415	
ARKANSAS RIVER, ARK.						26,385	
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE						1,426	663,506
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON						53,386	
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH						2,800	
TENNESSEE RIVER, TENN., ALA. AND KY.						103,193	
GREEN AND BARREN RIVERS, KY.						3,144	
KANAWHA RIVER, W.VA.						5,186	
ILLINOIS RIVER, ILL.						91,735	
PORT OF CHICAGO, ILL.				1,016	-----	2,444	
TOTAL, SHIPPING AREA	97,458	462,541	-----	132,034	516,518	2,856,201	9,635
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER						35,770	
ESCAMBIA AND CONECUA RIVERS, FLA. AND ALA.						4,203	
WARRIOR RIVER SYSTEM						-----	
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.		2,944	-----	-----	-----		
SABINE-NECHES WATERWAY, TEXAS		24,089	-----	-----	7,449		
GULF INTRACOASTAL WATERWAY: SABINE RIVER TO GALVESTON, TEXAS		1,616	-----	-----	-----		
GALVESTON BAY, TEXAS	31,260	353,567	-----	100,272	5,949	168,422	

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULMPURIC ACID (CODE 2818)	ALCOHOLS (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SOAP) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS-----	2,756	57,411	-----	-----	9,696	108,068	-----
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	47,550	98,107	-----	19,005	-----	49	-----
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	-----	-----	-----	-----	5,152	-----
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	15,392	-----	-----	1,418	122,760	-----
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	-----	-----	171,375	-----
ARKANSAS RIVER, ARK.-----	-----	2,800	-----	-----	-----	-----	276,614
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	-----	-----	-----	121,004	-----
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON-----	-----	-----	-----	-----	-----	8,840	-----
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	-----	-----	-----	33,898	-----
GREEN AND BARREN RIVERS, KY.-----	-----	-----	-----	-----	-----	20,887	-----
ILLINOIS RIVER, ILL.-----	-----	-----	-----	-----	-----	4,315	-----
PORT OF CHICAGO, ILL.-----	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	81,586	555,948	-----	119,277	21,266	1,084,603	-----
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES/GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	3,213	-----	-----	-----	699	-----	-----
WARRIOR RIVER SYSTEM-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	10,582	38,606	-----	-----	-----	-----	3,140
GULF INTRACOASTAL WATERWAY: PLAQUEMINES TO MORGAN CITY ROUTE, LA.-----	-----	-----	-----	-----	-----	-----	1,405
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.-----	-----	-----	-----	-----	-----	-----	12,212
CALCASIEU RIVER AND PASS, LA.-----	-----	-----	-----	-----	-----	-----	1,489
GALVESTON BAY, TEXAS-----	33,137	18,130	-----	12,833	2,178	14,304	36,902
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS-----	-----	-----	-----	-----	-----	-----	4,469
GULF INTRACOASTAL WATERWAY: CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----	7,522	-----	-----	-----	-----	3,393	-----
MISSISSIPPI RIVER: NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	-----	-----	2,302	1,400	4,696	-----
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	4,843	217,392	-----	5,144	5,493	69,270	4,665
MISSISSIPPI RIVER: MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	14,887	-----	15,015	34,048
MISSISSIPPI RIVER: MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	-----	-----	-----	-----	-----	2,979	73,674
MISSISSIPPI RIVER: MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	6,424	-----	3,948	1,208	-----	175,539
ARKANSAS RIVER, ARK.-----	-----	-----	-----	-----	-----	4,297	59,425
WHITE RIVER, ARK.-----	-----	-----	-----	-----	-----	-----	2,947
WOLF RIVER, TENN.-----	-----	-----	-----	-----	2,800	1,305	6,325
OHIO RIVER: ENGINEER DISTRICT, LOUISVILLE-----	-----	1,500	-----	1,378	5,824	5,051	103,122
OHIO RIVER: ENGINEER DISTRICT, HUNTINGTON-----	-----	-----	-----	-----	-----	2,399	-----
OHIO RIVER: ENGINEER DISTRICT, PITTSBURGH-----	1,800	3,096	-----	1,400	641	-----	16,992
TENNESSEE RIVER, TENN., ALA., AND KY.-----	71,758	-----	-----	-----	-----	11,278	12,534
CUMBERLAND RIVER, TENN. AND KY.-----	-----	-----	-----	-----	-----	-----	6,322
GREEN AND BARREN RIVERS, KY.-----	-----	-----	-----	-----	-----	14,546	-----
KANAWHA RIVER, W.VA.-----	-----	-----	-----	-----	-----	2,260	-----
MISSOURI RIVER-----	-----	-----	-----	-----	-----	-----	56,426
ILLINOIS RIVER, ILL.-----	-----	-----	-----	-----	-----	24,071	86,980
MINNESOTA RIVER, MINN.-----	-----	-----	-----	-----	-----	-----	40,059
Lake Michigan-----	-----	-----	-----	25,722	-----	-----	1,439
PORT OF CHICAGO, ILL.-----	1,103	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	133,558	284,948	-----	67,614	20,243	174,864	744,044
MISSISSIPPI RIVER: BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----	-----	-----	-----	1,415	18,261	1,386	4,613
GULF INTRACOASTAL WATERWAY: APALACHEE BAY, FLA., TO MOBILE BAY, ALA.-----	-----	-----	-----	-----	12,867	-----	39,492
APALACHICOLA, CHATTAHOOCHEE AND FLINT RIVERS, GA. AND FLA.-----	-----	-----	-----	5,473	5,569	225,813	1,915
GULF OF MEXICO-----	-----	-----	-----	-----	5,116	2,711	2,822
WARRIOR RIVER SYSTEM-----	-----	-----	-----	-----	-----	-----	-----
ALABAMA-COOSA RIVERS, ALA. AND GA.-----	-----	-----	-----	12,272	145,373	38,453	44,438
GULF INTRACOASTAL WATERWAY: MOBILE BAY, ALA., TO NEW ORLEANS, LA.-----	-----	-----	-----	-----	5,111	6,979	22,833
PEARL RIVER, MISS. AND LA.-----	-----	-----	-----	-----	-----	-----	3,130
LAKE MAUREpas, LA.-----	-----	-----	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY: MISSISSIPPI RIVER, LA., TO SABINE RIVER, TEX.-----	-----	-----	-----	-----	-----	4,507	1,501
GULF INTRACOASTAL WATERWAY: PLAQUEMINES TO MORGAN CITY ROUTE, LA.-----	-----	-----	-----	-----	-----	-----	11,759
ATCHAFALAYA RIVER, LA.-----	-----	116	-----	-----	-----	1,454	10,585
OUACHITA AND BLACK RIVERS, ARK. AND LA.-----	-----	-----	-----	-----	81,121	-----	11,996
BAYOU VERMILION, LA.-----	-----	-----	-----	-----	-----	4,056	-----
MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.-----	-----	-----	-----	-----	-----	-----	52,279
CALCASIEU RIVER AND PASS, LA.-----	1,400	22,609	27,546	-----	35,436	20,927	-----
SABINE-NECHES WATERWAY, TEXAS-----	-----	4,615	9,650	3,495	11,459	56,744	-----

Waterborne Commerce of the United States, 1988

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	COAL TAR (CODE: 2811)	BENZENE AND TOLUENE (CODE: 2817)	SULPHURIC ACID (CODE: 2818)	ALCOHOLS (CODE: 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE: 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1871, 1879, 2871, 2872, 2873, 2879)
GULF INTRACOASTAL WATERWAY* SABINE RIVER TO GALVESTON, TEXAS-----						5,240	
GULF INTRACOASTAL WATERWAY* GULF INTRACOASTAL WATERWAY* GALVESTON TO CORPUS CHRISTI, TEXAS-----	11,200	23,273	24,616	276,104	100,804	577,408	270,428
GULF INTRACOASTAL WATERWAY* CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----		427,052		46,975	48,396	536,502	134,077
MISSISSIPPI RIVER* NEW ORLEANS, LA., TO MOUTH OF PASSES-----		1,542		15,206	2,776	3,132	91,708
MISSISSIPPI RIVER* BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----		3,027	15,655	1,103	36,648	22,398	4,512
MISSISSIPPI RIVER* MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----	1,592	368,204	109,584	135,489	406,459	2,309,689	95,098
MISSISSIPPI RIVER* MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----			3,575	25,673	112,353	123,510	329,461
MISSISSIPPI RIVER* MINNEAPOLIS, MINN., TO MOUTH OF YAZOO RIVER AND MOUTH, MISS.-----		4,757	29,494	41,779	112,071	188,752	1,195,320
ARKANSAS RIVER, ARK.-----				7,584	170,291		401,976
WHITE RIVER, ARK.-----							17,365
WOLF RIVER, TENN.-----			5,135		59,938	1,252	33,720
OHIO RIVER* ENGINEER DISTRICT, LOUISVILLE-----			4,175	155,299	214,537	478,022	1,042,800
OHIO RIVER* ENGINEER DISTRICT, HUNTINGTON-----		4,125	1,160			637,408	19,198
OHIO RIVER* ENGINEER DISTRICT, PITTSBURGH-----	1,382			62,686	65,592	534,187	149,582
TENNESSEE RIVER, TENN., ALA., AND KY.-----			27,700	5,583	114,290	255,907	66,461
CUMBERLAND RIVER, TENN., AND KY.-----				15,237		56,326	18,066
GREEN AND BARREN RIVERS, KY.-----						226,599	
KANAWHA RIVER, W. VA.-----			8,221		5,240	60,954	
MONONGAHELA RIVER, PA., AND W. VA.-----					18,555	22,200	
ALLEgheny River, PA.-----				41,810			73,356
MISSOURI RIVER-----				9,318	2,975		273,868
ILLINOIS RIVER, ILL.-----				40,873		517,918	592,949
BLACK RIVER, WIS.-----					11,022		
ST. CROIX RIVER, WIS., AND MINN.-----							22,561
MINNESOTA RIVER, MINN.-----					3,855		113,277
Lake Michigan-----							60,061
PORT OF CHICAGO, ILL.-----				46,906	189,786	72,695	47,276
TOTAL, SHIPPING AREA-----	15,574	849,583	399,064	1,036,304	2,097,368	7,054,408	5,760,955
MISSISSIPPI RIVER* MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA./ APALACHICOLA/CHATTahoochee AND FLINT RIVERS, GA., AND FLA.-----							2,797
GULF INTRACOASTAL WATERWAY* GULF INTRACOASTAL WATERWAY* GALVESTON TO CORPUS CHRISTI, TEXAS-----						3,713	5,806
GULF INTRACOASTAL WATERWAY* CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER-----						1,216	8,259
MISSISSIPPI RIVER* NEW ORLEANS, LA., TO MOUTH OF PASSES-----							9,474
MISSISSIPPI RIVER* BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----						1,884	
MISSISSIPPI RIVER* MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----			2,341			6,895	122,096
MISSISSIPPI RIVER* MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----							43,251
MISSISSIPPI RIVER* MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----							28,064
YAZOO RIVER AND MOUTH, MISS.-----							67,197
ARKANSAS RIVER, ARK.-----							34,248
WOLF RIVER, TENN.-----							2,944
OHIO RIVER* ENGINEER DISTRICT, LOUISVILLE-----				1,430		37,477	91,327
OHIO RIVER* ENGINEER DISTRICT, HUNTINGTON-----							1,516
OHIO RIVER* ENGINEER DISTRICT, PITTSBURGH-----							13,499
TENNESSEE RIVER, TENN., ALA., AND KY.-----							26,635
CUMBERLAND RIVER, TENN., AND KY.-----							3,162
KANAWHA RIVER, W. VA.-----						3,837	
ALLEgheny River, PA.-----						14,508	
MISSOURI RIVER-----							31,545
ILLINOIS RIVER, ILL.-----						87,247	23,384
MINNESOTA RIVER, MINN.-----							17,736
Lake Michigan-----							3,317
TOTAL, SHIPPING AREA-----			2,341	1,430		171,291	539,773
MISSISSIPPI RIVER* MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER/							
WARRIOR RIVER SYSTEM-----							1,499
SABINE-NECHES WATERWAY, TEXAS-----		2,677					
MISSISSIPPI RIVER* BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.-----			17,227			6,934	2,980
MISSISSIPPI RIVER* MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.-----							31,405
MISSISSIPPI RIVER* MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----							15,029
MISSISSIPPI RIVER* MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----							28,630
YAZOO RIVER AND MOUTH, MISS.-----							8,768
ARKANSAS RIVER, ARK.-----							1,509

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOLS (CODE: 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2871, 2872, 2873, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
WOLF RIVER, TENN. OHIO RIVER ENGINEER DISTRICT, LOUISVILLE OHIO RIVER ENGINEER DISTRICT, HUNTINGTON OHIO RIVER ENGINEER DISTRICT, PITTSBURGH TENNESSEE RIVER, TENN., ALA. AND KY. CUMBERLAND RIVER, TENN. AND KY. BIG SANDY RIVER, KY. AND W. VA. MONONGAHELA RIVER, PA. AND W. VA. MISSOURI RIVER ILLINOIS RIVER, ILL. LAKE MICHIGAN PORT OF CHICAGO, ILL.							2,950 53,338 2,804 7,632 61,596 10,907 4,421 1,499 2,800 59,641 2,984
TOTAL, SHIPPING AREA		19,357	17,227	1,544	2,589	9,248	300,392
MISSISSIPPI RIVER WINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER WARRIOR RIVER SYSTEM MERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA. CALCASIEU RIVER AND PASS, LA. GALVESTON BAY, TEXAS MISSISSIPPI RIVER NEW ORLEANS, LA., TO MOUTH OF PASSES MISSISSIPPI RIVER BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA. MISSISSIPPI RIVER MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA. MISSISSIPPI RIVER MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER MISSISSIPPI RIVER MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER YAZOO RIVER AND MOUTH, MISS. WOLF RIVER, TENN. OHIO RIVER ENGINEER DISTRICT, LOUISVILLE OHIO RIVER ENGINEER DISTRICT, HUNTINGTON OHIO RIVER ENGINEER DISTRICT, PITTSBURGH TENNESSEE RIVER, TENN., ALA. AND KY. BIG SANDY RIVER, KY. AND W. VA. ILLINOIS RIVER, ILL. MINNESOTA RIVER, MINN. PORT OF CHICAGO, ILL.				1,238 2,551 2,590 54,878 11,914 32,955 40,435 24,635 5,223 62,903 2,628 28,482 9,487 17,426 1,5407 4,600			3,015 ----- ----- 7,310 21,286 8,868 25,174 19,474 292,702 7,436 10,374 3,027 5,826 22,348 42,999 30,164 4,426 580,071
TOTAL, SHIPPING AREA	4,600	158,739	40,435	149,046	1,285	128,929	28,332 3,207 3,033 23,758 13,571 28,401 60,638 3,134 1,545 6,243 14,160 6,254 16,498 14,307 9,210 9,202 240,188
YAZOO RIVER AND MOUTH, MISS./ APALACHICOLA/CHATTANOOCHEE AND FLINT RIVERS, GA. AND FLA. WARRIOR RIVER SYSTEM GALVESTON BAY, TEXAS GULF INTRACOASTAL WATERWAY GALVESTON TO CORPUS CHRISTI, TEXAS GULF INTRACOASTAL WATERWAY CORPUS CHRISTI, TEXAS, TO THE MEXICAN BORDER MISSISSIPPI RIVER BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA. MISSISSIPPI RIVER MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA. MISSISSIPPI RIVER MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER MISSISSIPPI RIVER MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER ARKANSAS RIVER, ARK. WHITE RIVER, ARK. WOLF RIVER, TENN. OHIO RIVER ENGINEER DISTRICT, LOUISVILLE TENNESSEE RIVER, TENN., ALA. AND KY. ILLINOIS RIVER, ILL. TOTAL, SHIPPING AREA							2,390 3,301 1,849 2,798 10,050 207,561 4,800 19,327 4,540 25,452 1,691 11,282 3,901 7,563 37,347 114,385 6,399
ARKANSAS RIVER, ARK./ WARRIOR RIVER SYSTEM ATCHAFALAYA RIVER, LA. MISSISSIPPI RIVER NEW ORLEANS, LA., TO MOUTH OF PASSES MISSISSIPPI RIVER BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA. MISSISSIPPI RIVER MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA. MISSISSIPPI RIVER MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER MISSISSIPPI RIVER MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER YAZOO RIVER AND MOUTH, MISS. ARKANSAS RIVER, ARK. WHITE RIVER, ARK. WOLF RIVER, TENN. OHIO RIVER ENGINEER DISTRICT, LOUISVILLE OHIO RIVER ENGINEER DISTRICT, HUNTINGTON							

Waterborne Commerce of the United States, 1988

TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

DOMESTIC INLAND TRAFFIC, AREAS OF ORIGIN AND DESTINATION

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TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1968

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA (CONTINUED) / RECEIVING AREA	COAL TAR (CODE 2811)	BENZENE AND TOLUENE (CODE 2817)	SULPHURIC ACID (CODE 2818)	ALCOHOL (CODE 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2871, 2872, 2873, 2879)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	1,877	2,276	-----	-----	2,776	-----	-----
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	-----	-----	2,800	-----
ARKANSAS RIVER, ARK.-----	-----	9,693	-----	-----	-----	-----	4,200
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	-----	925	-----	-----	52,636	-----	-----
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	1,400	1,400	-----	-----	-----	-----	-----
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	700	33,915	-----	-----	-----	-----	-----
TENNESSEE RIVER, TENN., ALA., AND KY.-----	21,782	-----	-----	-----	-----	-----	1,610
BIG SANDY RIVER, KY., AND W.VA.-----	-----	3,389	-----	-----	-----	-----	-----
KANAWHA RIVER, W.VA.-----	-----	-----	-----	-----	19,588	-----	-----
MONONGAHELA RIVER, PA. AND W.VA.-----	15,023	-----	-----	-----	24,612	-----	-----
PORT OF CHICAGO, ILL.-----	-----	-----	-----	-----	8,040	2,800	-----
TOTAL, SHIPPING AREA-----	174,178	70,453	-----	564	107,652	34,370	24,983
TENNESSEE RIVER, TENN., ALA., AND KY./ CALCASIEU RIVER AND PA39, LA.-----	-----	-----	-----	-----	3,765	-----	-----
GALVESTON BAY, TEXAS-----	5,063	-----	-----	-----	-----	8,201	-----
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS-----	11,097	-----	-----	-----	-----	7,197	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT: INCLUDING NEW ORLEANS, LA.-----	1,386	-----	250	-----	-----	-----	49,656
MISSISSIPPI RIVER' MOUTH OF OHIO RIVER TO BUT NOT: INCLUDING BATON ROUGE, LA.-----	-----	-----	-----	-----	1,360	9,290	35,407
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	-----	-----	-----	-----	24,486	850	8,114
MISSISSIPPI RIVER' MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER-----	-----	-----	-----	-----	1,363	11,052	56,433
ARKANSAS RIVER, ARK.-----	-----	-----	-----	-----	1,335	676	-----
WHITE RIVER, ARK.-----	-----	-----	-----	-----	-----	-----	2,097
WOLF RIVER, TENN.-----	-----	-----	-----	-----	8,234	-----	2,053
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	-----	-----	25,127	5,600	46,116
TENNESSEE RIVER, TENN., ALA., AND KY.-----	-----	2,600	-----	-----	23,323	2,082	5,003
KANAWHA RIVER, W.VA.-----	-----	-----	-----	-----	4,800	-----	-----
MONONGAHELA RIVER, PA. AND W.VA.-----	-----	-----	-----	-----	1,200	-----	-----
MISSOURI RIVER-----	-----	-----	-----	-----	-----	1,264	4,024
ILLINOIS RIVER, ILL.-----	-----	-----	-----	-----	-----	-----	6,576
LAKE MICHIGAN-----	-----	-----	-----	-----	-----	-----	5,095
PORT OF CHICAGO, ILL.-----	-----	-----	-----	-----	34,795	18,055	-----
TOTAL, SHIPPING AREA-----	17,546	-----	2,850	-----	129,786	64,247	222,974
CUMBERLAND RIVER, TENN. AND KY./ TENNESSEE RIVER, TENN., ALA., AND KY.-----	-----	-----	48,324	-----	-----	-----	-----
KANAWHA RIVER, W.VA.-----	-----	-----	-----	21,014	-----	-----	-----
TOTAL, SHIPPING AREA-----	-----	-----	48,324	21,014	-----	-----	-----
BIG SANDY RIVER, KY., AND W.VA./ GALVESTON BAY, TEXAS-----	-----	3,903	-----	-----	-----	-----	-----
GULF INTRACOASTAL WATERWAY: GALVESTON TO CORPUS CHRISTI, TEXAS-----	-----	5,341	-----	-----	-----	-----	-----
MISSISSIPPI RIVER' MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER-----	2,740	2,073	-----	-----	-----	1,354	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	3,999	5,770	-----	-----	-----	3,040	-----
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	5,050	-----	-----	-----	-----	19,641	-----
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	13,708	7,761	-----	-----	-----	1,379	-----
TENNESSEE RIVER, TENN., ALA., AND KY.-----	-----	1,420	-----	-----	-----	-----	-----
PORT OF CHICAGO, ILL.-----	2,722	1,400	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	28,219	27,668	-----	-----	-----	197,414	-----
KANAWHA RIVER, W.VA./ WARRIOR RIVER SYSTEM-----	-----	-----	-----	-----	-----	26,873	-----
GALVESTON BAY, TEXAS-----	-----	-----	-----	5,912	-----	32,395	-----
MISSISSIPPI RIVER' NEW ORLEANS, LA., TO MOUTH OF PASSES-----	-----	-----	-----	-----	-----	1,375	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT: INCLUDING NEW ORLEANS, LA.-----	-----	-----	-----	-----	-----	24,510	-----
OHIO RIVER' ENGINEER DISTRICT, LOUISVILLE-----	-----	-----	-----	-----	-----	6,751	-----
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	-----	-----	-----	-----	-----	940	-----
KANAWHA RIVER, W.VA.-----	-----	-----	-----	-----	-----	16,634	-----
ILLINOIS RIVER, ILL.-----	-----	-----	-----	-----	-----	252	-----
PORT OF CHICAGO, ILL.-----	-----	-----	-----	886	-----	34,807	-----
TOTAL, SHIPPING AREA-----	-----	-----	-----	6,798	-----	144,537	-----
MONONGAHELA RIVER, PA. AND W.VA./ GALVESTON BAY, TEXAS-----	8,217	-----	-----	-----	-----	-----	-----
MISSISSIPPI RIVER' BATON ROUGE, LA., TO BUT NOT: INCLUDING NEW ORLEANS, LA.-----	3,946	-----	-----	-----	-----	-----	10,423
ARKANSAS RIVER, ARK.-----	-----	1,370	-----	-----	-----	-----	-----
WOLF RIVER, TENN.-----	7,486	-----	-----	-----	-----	-----	-----
OHIO RIVER' ENGINEER DISTRICT, HUNTINGTON-----	17,233	-----	-----	-----	-----	2,800	-----
OHIO RIVER' ENGINEER DISTRICT, PITTSBURGH-----	108,279	-----	-----	-----	-----	-----	6,012
BIG SANDY RIVER, KY., AND W.VA.-----	-----	-----	-----	-----	-----	-----	-----
TOTAL, SHIPPING AREA-----	141,163	1,370	-----	-----	-----	2,800	16,435

*Waterborne Commerce of the United States, 1988*TABLE 6--DOMESTIC INLAND MOVEMENTS OF CHEMICALS AND RELATED PRODUCTS--CONTINUED
SHIPPING AREA BY RECEIVING AREA

CALENDAR YEAR 1988

(IN TONS OF 2,000 POUNDS)

SHIPPING AREA / RECEIVING AREA.	COAL TAR (CODE: 2811)	BENZENE AND TOLUENE (CODE: 2817)	SULPHURIC ACID (CODE: 2818)	ALCOHOLS (CODE: 2813)	SODIUM HYDROXIDE (CAUSTIC SODA) (CODE 2810)	CHEMICALS AND CHEMICAL SPECIALTIES (CODES 2816, 2819, 2821, 2876)	FERTILIZERS AND FERTILIZER MATERIALS (CODES 1471, 1479, 2871, 2872, 2873, 2879)
ALLEGHENY RIVER, PA./ MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.							3,061
MISSOURI RIVER/ MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.				1,400			
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--							8,491
ARKANSAS RIVER, ARK.							2,650
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE							6,584
BIG SANDY RIVER, KY. AND W. VA.							5,271
MISSOURI RIVER--							81,679
ILLINOIS RIVER, ILL.				1,213			11,807
PORT OF CHICAGO, ILL.							
TOTAL, SHIPPING AREA				2,613			116,482
ILLINOIS RIVER, ILL./ WARRIOR RIVER SYSTEM					10,746		
HERMENTAU RIVER, BAYOU NEZPIQUE AND BAYOU DES CANNES, LA.					8,888		
GALVESTON BAY, TEXAS				87,380	1,400	2,670	
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES				1,378			
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.				32,376			1,325
MISSISSIPPI RIVER/ MOUTH OF OHIO RIVER TO BUT NOT INCLUDING BATON ROUGE, LA.				20,860			
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--				9,194			
MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER--				1,417			1,487
WOLF RIVER, TENN.				27,577			
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE				110,893			
OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON							3,389
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH				5,276			
TENNESSEE RIVER, TENN., ALA. AND KY.				24,173			
CUMBERLAND RIVER, TENN. AND KY.				24,064			
KANAWHA RIVER, W. VA.				5,707			7,372
ALLEGHENY RIVER, PA.							
MISSOURI RIVER--							4,040
ILLINOIS RIVER, ILL.				6,727			16,527
LAKE MICHIGAN--							13,399
PORT OF CHICAGO, ILL.				186,362			
TOTAL, SHIPPING AREA				562,958	1,400	2,670	47,539
MINNESOTA RIVER, MINN./ MISSISSIPPI RIVER/ MINNEAPOLIS, MINN., TO MOUTH OF MISSOURI RIVER--							4,639
NIAGARA RIVER, N.Y./ NIAGARA RIVER, N.Y.	2,692						
LAKE MICHIGAN/ MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--	12,600						
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE						2,371	
TOTAL, SHIPPING AREA	12,600					2,371	
PORT OF CHICAGO, ILL./ SABINE-NECHES WATERWAY, TEXAS	3,392						
GULF INTRACOASTAL WATERWAY/ SABINE RIVER TO GALVESTON, TEXAS	2,800						
GALVESTON BAY, TEXAS	46,248	4,091		1,515	2,747	5,785	
GULF INTRACOASTAL WATERWAY/ GALVESTON TO CORPUS CHRISTI, TEXAS	42,659					1,400	
MISSISSIPPI RIVER/ NEW ORLEANS, LA., TO MOUTH OF PASSES		1,400				1,400	
MISSISSIPPI RIVER/ BATON ROUGE, LA., TO BUT NOT INCLUDING NEW ORLEANS, LA.	17,054	34,899				2,802	
MISSISSIPPI RIVER/ MOUTH OF MISSOURI RIVER TO MOUTH OF OHIO RIVER--							2,045
OHIO RIVER/ ENGINEER DISTRICT, LOUISVILLE	1,600					4,034	
OHIO RIVER/ ENGINEER DISTRICT, HUNTINGTON	1,351	1,471				5,193	
OHIO RIVER/ ENGINEER DISTRICT, PITTSBURGH	26,672	12,459					
TENNESSEE RIVER, TENN., ALA. AND KY.							6,670
BIG SANDY RIVER, KY. AND W. VA.		1,438					
KANAWHA RIVER, W. VA.				1,466		2,010	
MISSOURI RIVER--						3,567	
ILLINOIS RIVER, ILL.	5,600					26,666	1,381
PORT OF CHICAGO, ILL.	50,050	51,757		6,777		126,544	
TOTAL, SHIPPING AREA	197,426	107,515		9,760	2,747	185,866	8,251

SECTION 3

WATER CARRIAGE TON-MILES

WATER CARRIAGE TON-MILES

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TABLE I--TOTAL COMMERCE: TON-MILES AND TONS BY TYPE OF TRAFFIC AND AVERAGE HAUL

CALENDAR YEARS 1978-1988

(IN THOUSANDS)

TON-MILES ¹	TOTAL, FOREIGN AND DOMESTIC	FOREIGN			DOMESTIC			
		TOTAL	GREAT LAKES PORTS	COASTAL PORTS	TOTAL	COASTWISE	LAKENWISE	INTERNAL
1988-----	970,685,046	80,656,648	24,448,417	** 56,208,231	890,028,398	561,594,865	58,159,450	269,035,703
1987-----	965,403,732	72,988,231	* 22,003,252	** 50,984,979	895,415,501	586,818,384	50,076,733	257,336,495
1986-----	944,910,475	71,509,435	* 24,235,272	** 47,274,163	873,401,040	580,888,675	43,198,187	248,116,902
1985-----	964,911,185	71,941,211	* 27,171,821	** 44,769,390	892,969,974	610,976,503	48,183,952	232,707,523
1984-----	966,478,243	78,758,204	* 32,249,380	** 46,508,844	887,720,019	593,923,081	48,784,434	242,855,408
1983-----	989,161,626	69,595,038	* 24,309,364	** 45,266,674	919,565,566	649,789,453	43,088,156	225,626,298
1982-----	960,896,925	78,025,221	* 27,165,490	** 51,262,733	886,466,704	632,707,073	35,623,255	217,026,688
1981-----	1,023,636,494	94,225,138	35,293,982	** 58,929,156	929,413,556	634,765,277	62,148,380	231,164,111
1980-----	1,016,085,181	94,249,417	33,679,592	** 60,559,825	921,835,764	631,149,287	61,747,114	227,342,991
1979-----	931,846,381	103,086,891	* 43,146,432	** 59,940,459	828,759,490	532,290,272	77,968,759	217,090,226
1978-----	928,297,656	101,034,374	* 42,108,783	** 58,925,611	827,263,282	540,373,236	78,284,040	209,266,160
TONS ²								
1988-----	# 2,087,993	976,221	52,492	923,729	1,111,772	325,177	109,664	588,119
1987-----	# 1,962,761	890,979	45,925	845,054	1,071,782	323,518	96,484	569,829
1986-----	# 1,870,458	837,223	45,829	791,394	1,033,235	308,025	87,353	560,499
1985-----	# 1,785,033	774,323	51,320	723,003	1,010,710	309,802	91,987	534,658
1984-----	# 1,832,614	803,336	587,774	744,564	1,029,276	307,652	98,010	542,503
1983-----	# 1,704,501	751,140	48,411	702,729	953,361	309,657	83,487	487,132
1982-----	# 1,773,929	819,731	50,395	769,336	954,198	311,058	72,085	495,453
1981-----	# 1,938,428	887,102	63,210	823,892	1,051,326	321,990	115,418	520,668
1980-----	# 1,995,300	921,404	60,592	860,812	1,073,896	329,609	115,124	534,970
1979-----	# 2,069,757	993,445	73,760	919,685	1,076,332	306,666	143,566	534,969
1978-----	# 2,018,079	946,057	70,600	875,457	1,072,022	305,383	142,663	530,509
AVERAGE HAUL ³ (MILES PER TON)								
1988-----	464.9	82.6	465.8	60.8	804.3	1,727.0	530.3	457.5
1987-----	493.3	81.9	479.1	60.5	835.4	1,813.9	519.0	451.6
1986-----	505.2	95.4	528.8	59.7	845.3	1,885.9	496.5	442.7
1985-----	540.5	92.9	529.5	61.9	883.5	1,972.2	523.8	435.2
1984-----	527.4	98.4	548.7	62.5	862.5	1,930.5	508.0	448.0
1983-----	580.3	92.7	502.1	64.4	964.6	2,098.4	516.4	463.2
1982-----	543.9	95.7	539.1	66.6	929.0	2,034.0	494.2	438.0
1981-----	528.1	106.2	558.4	71.5	884.0	1,971.4	538.5	444.0
1980-----	509.2	102.3	555.8	70.4	858.4	1,914.8	536.4	405.0
1979-----	450.2	103.8	585.0	65.2	770.0	1,747.1	543.1	405.8
1978-----	459.9	106.8	596.4	67.3	771.6	1,769.7	530.7	391.5

* BASED ON DISTANCES TRANSPORTED ON GREAT LAKES AND ST. LAWRENCE RIVER TO INTERNATIONAL BOUNDARY AT ST. REGIS, QUEBEC, CANADA.

** BASED ON DISTANCES TRANSPORTED ON UNITED STATES WATERWAYS FROM ENTRANCE CHANNELS TO PORTS AND WATERWAYS.

¹ EXCLUDES INTRATERRITORY TRAFFIC FOR WHICH TON-MILES WERE NOT COMPILED; 1988, 5,123 THOUSAND TONS; 1987, 4,698 THOUSAND TONS; 1986, 3,959 THOUSAND TONS; 1985, 3,401 THOUSAND TONS; 1984, 3,406 THOUSAND TONS; 1983, 3,160 THOUSAND TONS; 1982, 2,611 THOUSAND TONS; 1981, 3,130 THOUSAND TONS; 1980, 3,588 THOUSAND TONS; 1979, 4,001 THOUSAND TONS; 1978, 3,271 THOUSAND TONS.

TABLE 2--DOMESTIC TON-MILES TYPE OF TRAFFIC BY SERVICE

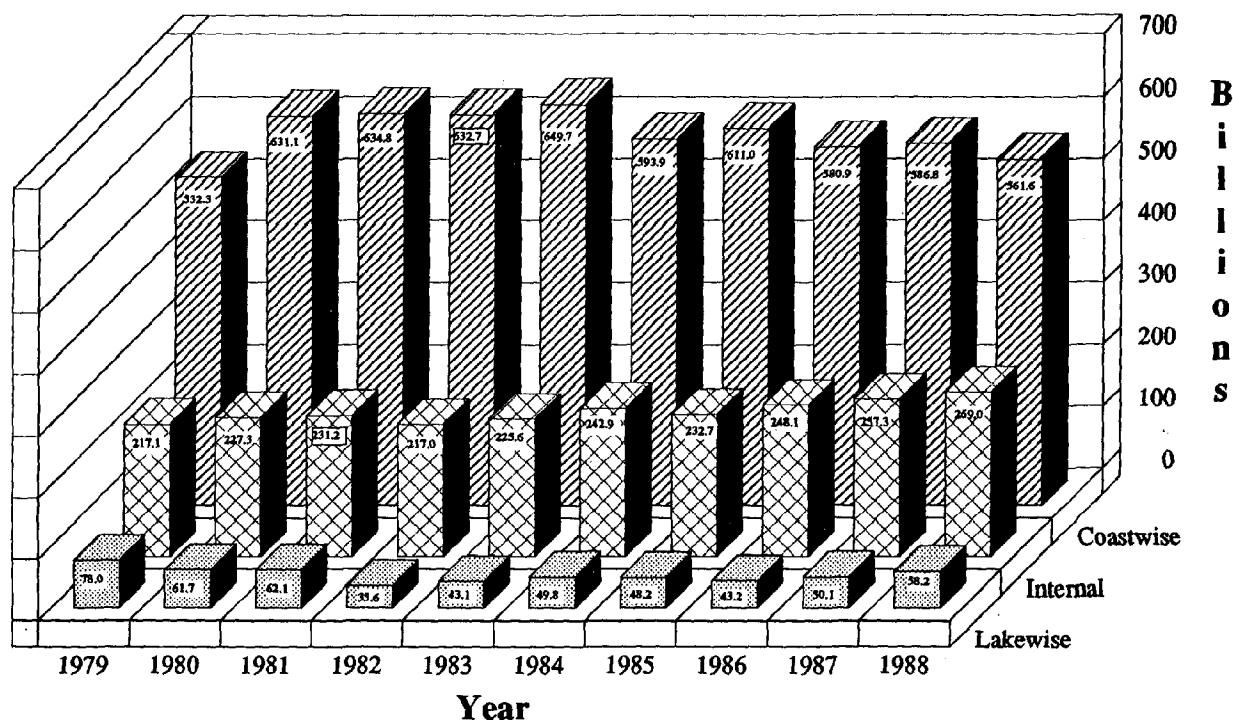
CALENDAR YEAR 1982

(IN THOUSANDS)

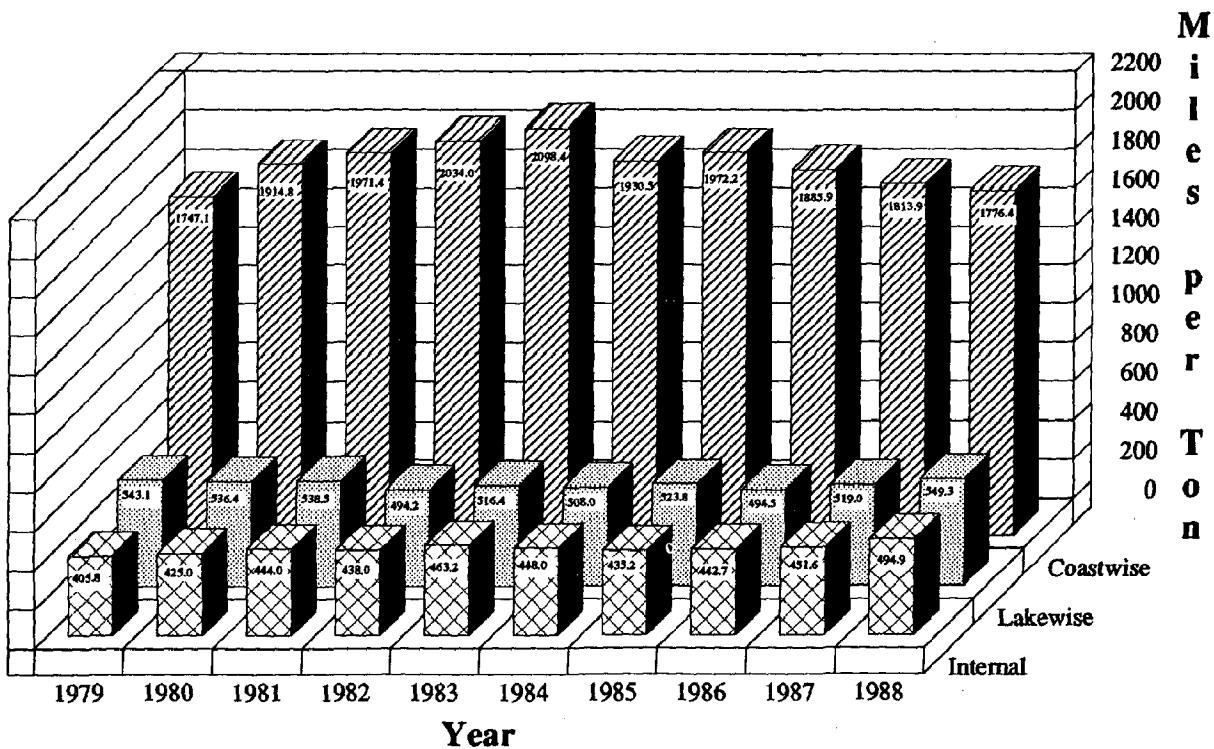
TYPE OF TRAFFIC	TOTAL		REGULATED			EXEMPT, FOR HIRE			PRIVATE			
	TON-MILES	PERCENT OF	TON-MILES		TON-MILES		TON-MILES	PERCENT OF	TON-MILES	PERCENT OF	TON-MILES	
			TOTAL, DOMESTIC	TRAFFIC	TOTAL, DOMESTIC	TRAFFIC						
COASTWISE-----	561,594,865	63.2	100.0	10,368,583	25.5	1.8	378,284,498	58.2	67.4	172,941,784	87.0	30.8
LAKENWISE-----	58,159,458	6.5	100.0	7,115,679	17.6	12.2	45,724,422	7.0	78.6	5,319,357	2.7	0.2
INTERNAL-----	269,035,703	30.2	100.0	22,976,314	56.8	8.5	226,026,695	34.7	84.0	20,632,694	10.1	7.5
LOCAL-----	1,238,372	0.1	100.0	20,666	0.1	1.7	891,753	0.1	72.0	325,983	0.2	26.3
TOTAL: DOMESTIC	890,028,398	100.0	100.0	40,481,242	100.0	4.5	650,927,368	100.0	73.1	198,619,786	100.0	22.4

90

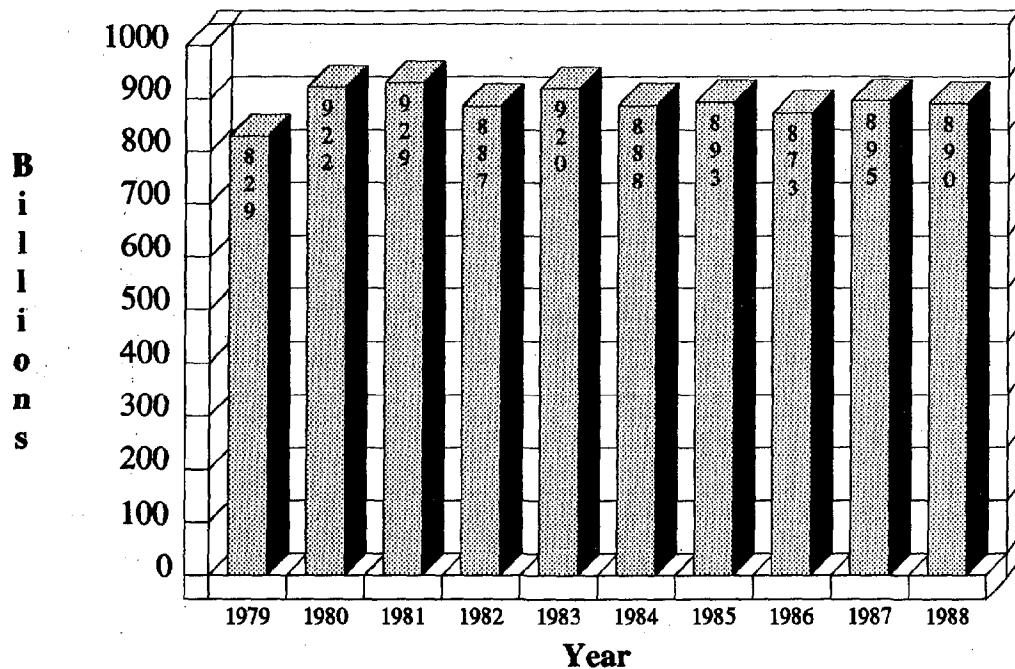
Ton-Miles Domestic Commerce 1979 - 1988



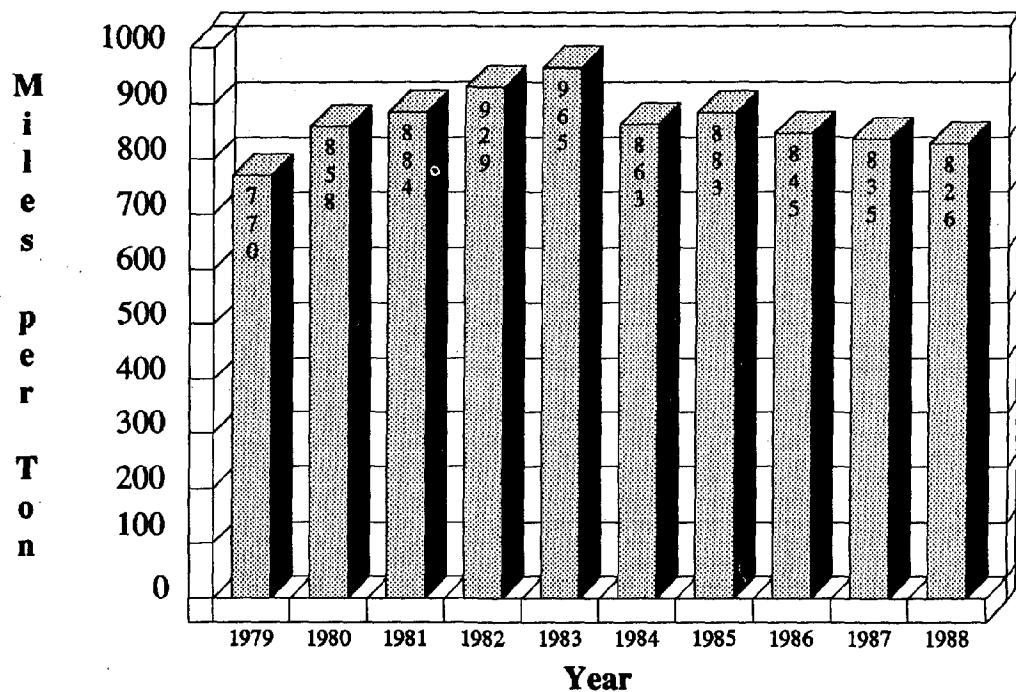
Average Haul Domestic Commerce 1979 - 1988



Total Ton-Miles Domestic Commerce 1979 - 1988



Total Average Haul Domestic Commerce 1979 - 1988



WATER CARRIAGE TON-MILES

CHART 2 - DOMESTIC TON-MILES BY TYPE OF SERVICE, 1988
890.0 BILLION TON-MILES

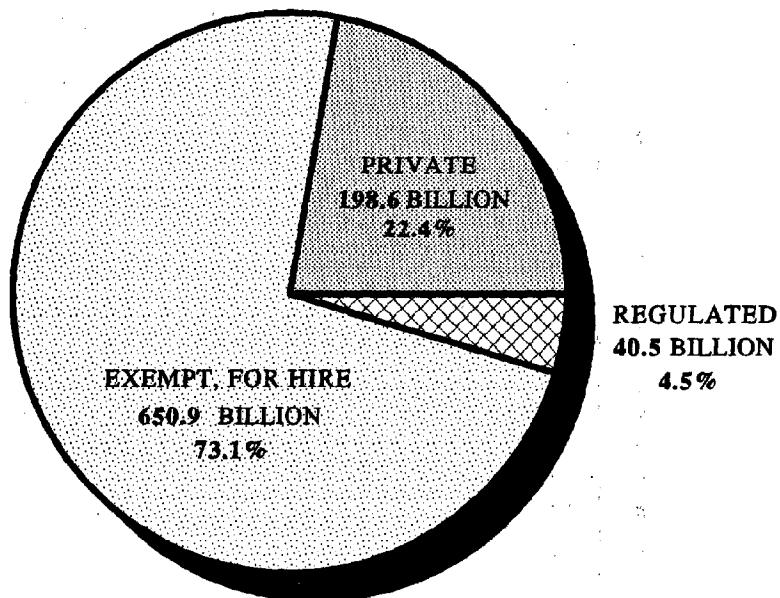
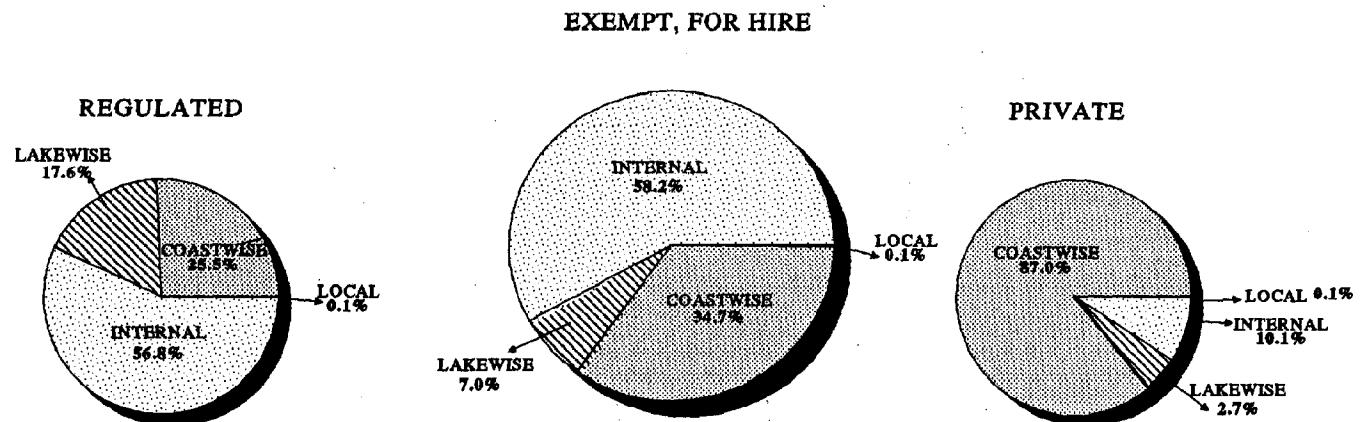


CHART 3 - DOMESTIC TON-MILES BY TYPE OF SERVICE
BY TYPE OF TRAFFIC, 1988



WATER CARRIAGE TON-MILES

TABLE 3--DOMESTIC TRAFFIC: TONS AND TON-MILES OF PRINCIPAL COMMODITY GROUPS BY TYPE OF TRAFFIC AND SERVICE CALENDAR YEAR 1969
(IN THOUSANDS)

TYPE OF TRAFFIC AND COMMODITY GROUP	TOTAL			REGULATED			EXEMPT, FOR HIRE			PRIVATE		
	TON-MILES	TONS	AVERAGE HAUL (MILES PER TON)	TON-MILES	TONS	AVERAGE HAUL (MILES PER TON)	TON-MILES	TONS	AVERAGE HAUL (MILES PER TON)	TON-MILES	TONS	AVERAGE HAUL (MILES PER TON)
COASTWISE, TOTAL-----	561,949,865	325,177	1,727.0	10,366,583	8,920	1,162.3	178,284,498	212,948	1,776.4	172,941,784	103,308	1,674.0
PETROLEUM AND PRODUCTS-----	504,431,113	269,707	1,870.3	1,507,755	2,514	599.8	134,916,880	169,970	1,711.6	168,006,518	97,124	1,726.3
COAL AND CORE-----	6,711,240	12,610	532.8	235,155	302	778.7	6,083,091	12,008	526.7	-----	-----	-----
IRON ORE AND IRON AND STEEL-----	428,012	361	1,129.3	99,219	72	1,779.5	327,320	271	1,209.5	1,493	38	39.1
SAND, GRAVEL, AND STONE-----	257,710	314	62.4	35,612	291	1,581.4	222,176	3,093	71.6	2,862	27	108.0
GRAINS-----	1,201,118	1,562.0	322,756	1,244.8	666,502	1,078.8	6,078,502	1,015.5	1,015.5	-----	-----	-----
LOGS AND LUMBER-----	21,135,575	1,464	1,958.0	947,74	772	1,227.3	1,183,258	1,143.5	1,143.5	1,109,710	1,13	216.6
CHEMICALS AND RELATED PRODUCTS-----	15,981	1,332.2	1,308,155	Q35	1,985.8	1,687,498	12,223	1,336.8	1,336.8	3,104,922	2,023	1,283.7
SHells-----	21,281,413	21,161	33	64.4	20,932	33	642.3	229	*	2,105.0	-----	-----
ALL OTHERS-----	25,111,279	21,092	1,190.5	5,085,247	3,981	1,417.9	17,409,506	13,527	1,277.6	1,817,526	3,084	921.7
LAKEWISE, TOTAL-----	109,664	530.3	7,115,579	13,747	517.6	45,721,422	63,241	549.3	5319,357	12,976	419.6	
PETROLEUM AND PRODUCTS-----	58,918	2,455	236.6	155	5	30.3	521,667	2,009	236.2	59,098	241	245.1
COAL AND CORE-----	9,771	17,999	543.0	589,93	1,239	673.6	9,035,374	16,008	557.1	156,384	552	283.5
IRON ORE AND IRON AND STEEL-----	37,161,155	637.5	5,597,131	9,258	604.6	27,735,103	40,827	679.3	3,630,921	8,210	466.6	
SAND, GRAVEL, AND STONE-----	7,971,059	20,594	326.1	917,58	3,010	304.8	6,185,458	19,98	322.2	869,013	2,186	364.2
GRANITE-----	718,903	730	1,784	29	61.1	1,774	29	716,903	985.1	-----	-----	-----
LOGS AND LUMBER-----	61,655	297	217.4	1,151	10	60.9	10	*	91.7	-----	-----	-----
CHEMICALS AND RELATED PRODUCTS-----	61,655	297	217.4	1,151	10	60.9	63,504	279	226.0	-----	-----	-----
SHells-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
ALL OTHERS-----	1,686,143	5,260	357.9	10,907	180	58.5	1,469,323	3,790	387.7	403,913	1,288	313.6
INTERNAL, TOTAL-----	269,035,703	588,119	457.5	22,976,514	26,687	800.9	226,026,655	156,476	804.9	20,032,694	102,756	195.0
PETROLEUM AND PRODUCTS-----	38,081,791	155,031	245.6	2,326,915	5,945	589.9	29,205,915	120,552	241.7	6,548,961	50,534	216.6
COAL AND CORE-----	167,060	480.1	8,222,912	9,507	665.1	6,764,272	155,169	434.3	330,434	1,184	185.2	
IRON ORE AND IRON AND STEEL-----	11,227,798	11,490	98.0	4,562,229	4,178	1,092.4	6,621,467	6,750	982.0	81,702	562	144.3
SAND, GRAVEL, AND STONE-----	9,455,224	59,583	1,267.0	1,267,055	3,431	269.9	5,631,063	23,09	1,256,136	32,943	77.6	723.7
GRANITE-----	51,128,252	49,532	1,035.2	3,111,439	488	637.9	49,551,399	47,108	1,051.9	1,256,428	1,736	723.7
LOGS AND LUMBER-----	15,761,537	60,019	641.0	20,775	685	293.0	8,471,920	6,880	100.0	7,171,892	6,194	110.5
CHEMICALS AND RELATED PRODUCTS-----	32,070,703	43,304	3,389,855	3,617	936.5	23,391,441	32,998	708.9	5,293,447	13,000	395.0	
SHells-----	49,601,356	76,906	1,474.0	2,693,180	2,837	949.3	43,050,885	61,064	1,466	379,988	2,862,310	13,005
ALL OTHERS-----	-----	-----	-----	-----	-----	-----	705.0	-----	-----	2,862,310	13,005	220.1
LOCAL, TOTAL-----	1,236,372	63,689	14.8	20,666	667	31.0	891,751	61,340	19.5	325,953	21,683	15.0
PETROLEUM AND PRODUCTS-----	610,003	48,299	12.8	857	135	6.3	520,628	60,276	13.2	89,220	7,683	11.3
COAL AND CORE-----	11,839	5,870	20.0	940	9	97.6	1,068	3,77	29.0	10,643	2,195	4.9
IRON ORE AND IRON AND STEEL-----	11,076	10,316	9.8	4,056	44	93.2	4,555	2,783	55.9	10,397	2,024	6.9
SAND, GRAVEL, AND STONE-----	13,927	8,427	15.5	-----	-----	-----	59,354	2,665	14.8	9,153	5,162	15.9
GRANITE-----	10,380	10,380	173.6	-----	-----	-----	11,300	5,600	173.6	-----	-----	-----
LOGS AND LUMBER-----	48,714	3,243	15.0	674	90	7.5	18,007	5,151	15.2	33	33	16.6
CHEMICALS AND RELATED PRODUCTS-----	36,186	5,722	15.0	14,581	361	38.2	51,575	4,174	12.1	21,689	1,167	18.6
SHells-----	-----	-----	1.0	-----	-----	-----	-----	-----	-----	1,433	1,100	-----
ALL OTHERS-----	213,669	11,028	19.4	61	8	7.5	1,017,230	6,752	15.6	111,378	4,468	24.9
DOMESTIC, TOTAL-----	690,026,398	1,106,649	804.3	40,481,242	52,021	778.2	650,927,368	814,205	799.5	198,619,788	240,424	826.1
PETROLEUM AND PRODUCTS-----	543,715,725	1,143.5	3,635,622	6,599	581.3	165,172,228	333,206	785	174,703,785	135,682	1,297.6	
COAL AND CORE-----	92,613,461	203,549	456.0	9,006,477	11,057	818.2	83,226,523	167,963	643.0	497,461	4,529	109.8
IRON ORE AND IRON AND STEEL-----	48,871,061	71,196	688.5	10,264,643	11,551	757.5	34,695,405	48,331	711.4	5,914,913	9,014	430.3
SAND, GRAVEL, AND STONE-----	17,826,980	95,745	186.2	2,220,258	6,462	345.6	12,081,051	16,165	250.0	3,256,639	9,117	165.1
GRANITE-----	53,051,933	50,891	1,002.4	6,641,105	770	622.0	51,150,324	48,376	1,057.3	1,256,428	1,736	723.7
LOGS AND LUMBER-----	3,951,630	20,395	1,193.9	1,150,971	1,570	1,150,971	2,079,135	12,309	1,150,971	6,721,559	6,109	145.9
CHEMICALS AND RELATED PRODUCTS-----	53,511,656	72,015	4,710,712	4,952	951.2	40,576,018	50,072	806.4	8,424,906	16,990	495.9	
SHells-----	3,080	152.1	20,916	33	67,551	67,551	67,551	446	151.3	379,988	2,001	233.5
ALL OTHERS-----	75,814,447	114,741	665.3	8,587,375	7,012	1,224.6	62,031,945	65,033	729.5	5,195,127	22,245	233.5

* LESS THAN 500 TON-MILES.

Waterborne Commerce of the United States, 1988

TABLE 4--DOMESTIC TON-MILES COMMODITY BY SERVICE, CALENDAR YEAR 1988
(IN THOUSANDS)

COMMODITY	TOTAL	REGULATED	EXEMPT, FOR HIRE	PRIVATE
TOTAL	890,028,398	40,481,242	650,927,368	198,619,788
FARM PRODUCTS				
0101 COTTON, RAW	1,201	294	907	-----
0102 BARLEY AND RYE	302,588	685	300,556	1,347
0103 CORN	39,970,000	251,714	39,233,330	484,956
0104 OATS	328,772	3,506	321,525	3,741
0105 RICE	769,392	58,101	708,889	2,402
0106 SORGNUM GRAINS	1,722,940	26,917	1,474,036	221,967
0107 WHEAT	9,957,271	303,272	9,112,008	541,991
0111 SOYBEANS	16,917,531	87,275	16,116,160	714,092
0112 FLAXSEED	48	48	-----	-----
0119 OILSEEDS, NEC	46,559	28,924	16,391	1,244
0121 TOBACCO, LEAF	1,251	657	594	-----
0122 HAY AND FODDER	28,171	2,083	26,088	-----
0129 FIELD CROPS, NEC	11,904	8,016	3,088	-----
0131 FRESH FRUITS	321,552	45,928	275,624	-----
0132 BANANAS AND PLANTAINS	22,662	11,659	10,993	-----
0133 COFFEE	39,993	32,191	7,802	-----
0134 COCOA BEANS	4,632	4,388	244	-----
0141 FRESH AND FROZEN VEGETABLES	412,701	86,308	326,391	2
0151 LIVE ANIMALS	19,082	590	18,492	-----
0161 ANIMALS AND PRODUCTS, NEC	19,394	6,293	13,101	-----
0191 MISCELLANEOUS FARM PRODUCTS	67,824	3,441	64,383	-----
FOREST PRODUCTS				
0841 CRUDE RUBBER AND ALLIED GUMS	3,465	125	3,340	-----
0861 FOREST PRODUCTS, NEC	27,845	3,994	25,851	-----
FRESH FISH & OTHER MARINE PRODUCTS				
0911 FRESH FISH, EXCEPT SHELLFISH	158,516	80,402	75,103	3,011
0912 SHELLFISH, EXCEPT PREPARED	22,548	3,266	11,734	7,548
0931 MARINE SHELLS, UNMANUFACTURED	468,475	20,936	67,551	379,988
METALLIC ORES				
1011 IRON ORES AND CONCENTRATES	39,738,721	6,917,112	26,932,453	3,889,156
1021 COPPER ORES AND CONCENTRATES	72,899	-----	72,899	-----
1051 ALUMINUM ORES, CONCENTRATES	476,249	60,612	415,637	-----
1061 MANGANESE ORES, CONCENTRATES	639,382	380,651	256,568	2,163
1091 NONFERROUS ORES, CONCENT., NEC	591,694	66,228	523,198	2,268
COAL				
1121 COAL AND LIGNITE	87,504,135	7,473,222	79,570,540	460,373
CRUDE PETROLEUM				
1311 CRUDE PETROLEUM	386,835,511	101,983	262,347,696	124,385,832
NONMETALLIC MINERALS, EXCEPT FUELS				
1411 LIMESTONE	11,573,482	2,061,275	8,098,134	1,413,873
1412 BUILDING STONE, UNWORKED	8,128	7,797	331	-----
1442 SAND, GRAVEL, CRUSHED ROCK	6,221,831	139,242	3,970,828	2,111,761
1451 CLAY	293,877	27,015	248,211	18,651
1471 PHOSPHATE ROCK	3,085,019	-----	3,885,019	-----
1479 NATURAL FERTILIZER MATS, NEC	3,926	46	3,880	-----
1491 SALT	5,148,941	100,711	4,893,487	204,743
1492 SULPHUR, DRY	20,689	569	20,120	-----
1493 SULPHUR, LIQUID	3,436,764	-----	2,242,408	1,194,356
1494 GYPSUM, CRUDE AND PLASTERS	565,778	15,883	428,513	121,382
1499 NONMETALLIC MINERALS, NEC	515,541	64,743	417,737	3,001
ORDNANCE & ACCESSORIES				
1911 ORDNANCE AND ACCESSORIES	285	243	42	-----
FOOD & KINDRED PRODUCTS				
2011 MEAT, FRESH, CHILLED, FROZEN	592,894	136,258	456,589	47
2012 MEAT AND PRODUCTS, NEC	103,386	47,517	55,869	-----
2014 TALLOW, ANIMAL FATS AND OILS	140,176	536	139,640	-----
2015 ANIMAL BY-PRODUCTS, NEC	5,784	2,090	3,694	-----
2021 DAIRY PRODUCTS, NEC	87,941	13,617	74,324	-----
2022 DRIED MILK AND CREAM	28,787	24,293	4,494	-----
2031 FISH AND SHELLFISH, PREPARED	495,507	212,827	207,955	34,725
2034 VEGETABLES AND PREP, NEC	359,937	71,614	208,323	-----
2039 PREP FRUIT AND VEG JUICE, NEC	737,768	49,355	688,341	72
2041 WHEAT, FLOUR AND SEMOLINA	57,913	35,225	22,668	-----
2042 ANIMAL FEEDS	10,679,466	259,058	10,071,466	348,942
2049 GRAIN MILL PRODUCTS, NEC	4,395,532	70,535	3,879,671	445,326
2061 SUGAR	3,052,974	577,453	2,475,521	-----
2062 MOLASSES	769,421	-----	760,551	8,870
2081 ALCOHOLIC BEVERAGES	631,244	212,838	418,406	-----
2091 VEGETABLE OILS, MARG, SHORT	1,397,232	25,734	1,237,863	133,635
2092 ANIMAL OILS AND FATS, NEC	8,219	366	7,653	200
2098 GROCERIES	799,775	553	799,221	1
2095 ICE	2,431	3	2,382	.06
2099 MISCELLANEOUS FOOD PRODUCTS	1,907,330	291,035	1,610,193	6,102
TOBACCO PRODUCTS				
2111 TOBACCO MANUFACTURES	31,494	5,610	25,884	-----

WATER CARRIAGE TON-MILES

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TABLE 4--DOMESTIC TON-MILES COMMODITY BY SERVICE, CALENDAR YEAR 1988--CONTINUED.

(IN THOUSANDS)

COMMODITY	TOTAL	REGULATED	EXEMPT, FOR HIRE	PRIVATE
BASIC TEXTILES				
2211 BASIC TEXTILE PRODUCTS-----	96,368	41,751	54,616	-----
2212 TEXTILE FIBERS, NEC-----	12,010	741	11,269	-----
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT				
2311 APPAREL-----	808,315	689,969	118,346	-----
LUMBER & WOOD PRODS., EXC. FURNITURE				
2411 LOGS-----	210,839	77,724	90,119	42,996
2412 RAFTED LOGS-----	365,251	3,378	321,340	40,533
2413 FUEL WOOD, CHARCOAL, WASTES-----	45,036	3,426	34,456	7,154
2414 TIMBER, POSTS, POLES, PILING-----	37,999	6,080	31,150	769
2415 PULPWOOD, LOG-----	376,970	2,047	57,637	319,286
2416 WOOD CHIPS, STAVES, HOLDINGS-----	679,249	45,907	323,303	310,039
2421 LUMBER-----	1,646,565	935,361	710,911	293
2431 VENEER, PLANKWOOD, WORKED WOOD-----	217,978	43,176	174,802	-----
2491 WOOD MANUFACTURES, NEC-----	341,898	29,824	311,594	480
FURNITURE & FIXTURES				
2511 FURNITURE AND FIXTURES-----	370,000	60,040	309,933	27
PULP, PAPER & ALLIED PRODUCTS				
2611 PULP-----	120,847	31,445	89,402	-----
2621 STANDARD NEWSPRINT PAPER-----	108,035	41,138	66,897	-----
2631 PAPER AND PAPERBOARD-----	615,446	410,529	204,865	52
2691 PULP AND PAPER PRODUCTS, NEC-----	802,996	175,051	620,155	77,790
PRINTED MATTER				
2711 PRINTED MATTER-----	37,180	6,121	31,059	-----
CHEMICALS & ALLIED PRODUCTS				
2810 SODIUM HYDROXIDE-----	4,871,272	455,619	2,980,973	1,034,680
2811 CRUDE, TAR, OIL, GAS PRODUCTS-----	1,215,756	326,636	765,218	103,902
2812 DYES, PIGMENT, TANNING MATS-----	348	299	49	-----
2813 ALCOHOLS-----	4,475,127	743,051	3,067,240	664,036
2816 RADIODIATIVE MATERIALS, WASTES-----	4,172	88	4,084	-----
2817 BENZENE AND TOLUENE-----	2,936,772	298,076	1,596,522	1,042,174
2818 SULPHURIC ACID-----	390,929	104,776	57,737	220,416
2819 BASIC CHEMICALS AND PROD, NEC-----	21,259,516	2,002,482	16,311,757	2,745,277
2821 PLASTIC MATERIALS-----	179,483	67,928	111,555	-----
2822 SYNTHETIC RUBBER-----	12,741	4,297	8,444	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	3,577	163	3,014	-----
2831 DRUGS-----	89,243	10,750	78,493	-----
2841 SOAP-----	251,325	58,652	192,673	-----
2851 PAINTS-----	65,451	5,821	59,630	-----
2861 GUM AND WOOD CHEMICALS-----	516,246	259	515,987	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	5,090,504	279,111	4,476,331	335,062
2872 POTASSIUM CHEM FERTILIZERS-----	1,103,195	67,678	1,053,700	1,369
2873 PHOSPHATIC CHEM FERTILIZERS-----	698,882	37,440	612,629	48,993
2876 INSECTICIDES, DISINFECTANTS-----	13,176	2,256	10,920	-----
2879 FERTILIZER AND MATERIALS, NEC-----	5,612,073	232,871	4,350,738	1,028,464
2891 MISCELLANEOUS CHEMICAL PROD-----	849,261	36,693	221,035	591,533
PETROLEUM & COAL PRODUCTS				
2911 GASOLINE-----	47,670,257	891,802	32,499,000	14,279,455
2912 JET FUEL-----	9,819,283	168,704	6,030,126	3,620,453
2913 KEROSENE-----	1,183,163	24,819	638,939	519,425
2914 DISTILLATE FUEL OIL-----	31,531,758	499,700	18,977,018	12,054,640
2915 RESIDUAL FUEL OIL-----	45,948,684	916,500	32,900,559	12,131,625
2916 LUBRICATING OILS AND GREASES-----	8,280,518	274,071	4,030,050	3,975,497
2917 NAPHTHA, PETROLEUM SOLVENTS-----	4,910,517	96,139	2,373,169	2,041,209
2918 ASPHALT, TAR, AND PITCHES-----	5,237,968	227,815	4,404,997	605,156
2920 COKE, PETROLEUM COKE-----	5,308,999	1,573,255	3,698,656	37,088
2921 LIQUEFIED GASES-----	649,053	4,774	120,257	524,322
2951 ASPHALT-BUILDING MATERIALS-----	48,342	1,050	67,292	-----
2991 PETROLEUM AND COAL PROD, NEC-----	1,648,993	629,445	853,177	166,171
RUBBER & MISC. PLASTIC PRODUCTS				
3011 RUBBER AND MISC PLASTIC PROD-----	260,182	59,394	200,788	-----
LEATHER & LEATHER PRODUCTS				
3111 LEATHER AND LEATHER PRODUCTS-----	45,145	14,328	30,817	-----
STONE, CLAY, GLASS, & CONCRETE PROD.				
3211 GLASS AND GLASS PRODUCTS-----	63,120	23,053	40,067	-----
3201 BUILDING CEMENT-----	3,645,930	97,728	2,222,915	1,325,287
3251 STRUCTURAL CLAY PRODUCTS-----	69,951	46,593	22,358	-----
3271 LIME-----	780,390	23,479	605,999	150,912
3281 CUT STONE AND STONE PRODUCTS-----	23,539	11,981	11,558	-----
3291 MISC NONMETALLIC MINERAL PROD-----	309,305	29,182	269,970	10,153
PRIMARY METAL PRODUCTS				
3311 PIG IRON-----	693,113	173,824	519,289	-----
3312 SLAG-----	1,049,256	244,118	707,286	97,692
3313 COKE, PET ASPHALTS, SOLVENTS-----	327	-----	327	-----
3314 IRON AND STEEL PRIMARY FORMS-----	2,648,195	1,271,353	1,376,882	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,459,410	420,796	1,038,591	23

Waterborne Commerce of the United States, 1988

TABLE 4--DOMESTIC TON-MILES COMMODITY BY SERVICE, CALENDAR YEAR 1988--CONTINUED
(IN THOUSANDS)

COMMODITY	TOTAL	REGULATED	EXEMPT, FOR HIRE	PRIVATE
PRIMARY METAL PRODUCTS (CONTINUED)				
3316 IRON AND STEEL: PLATES, SHEETS-----	763,201	450,502	312,699	-----
3317 IRON AND STEEL: PIPE AND TUBES-----	520,495	142,908	358,279	19,308
3318 FERROALLOYS-----	1,580,377	731,616	843,936	6,825
3319 IRON AND STEEL PRODUCTS, NEC-----	750,205	614,479	162,577	3,149
3321 NONFERROUS METALS, NEC-----	44,408	36,735	7,673	-----
3322 COPPER ALLOYS, UNWORKED-----	43,140	35,948	7,192	-----
3323 LEAD AND ZINC, UNWORKED-----	35,142	4,131	31,011	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	24,557	18,387	6,170	-----
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.				
3411 FABRICATED METAL PRODUCTS-----	1,204,386	354,891	838,178	11,317
MACHINERY, EXCEPT ELECTRICAL-----				
3511 MACHINERY, EXCEPT ELECTRICAL-----	530,820	154,562	376,493	7,765
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES-----				
3611 ELECTRICAL: MACH AND EQUIP-----	213,765	48,587	165,105	73
TRANSPORTATION EQUIPMENT-----				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	657,746	120,430	537,295	21
3721 AIRCRAFT AND PARTS-----	1,460	917	543	-----
3731 SHIPS AND BOATS-----	18,702	1,343	12,060	5,299
3791 MISC TRANSPORTATION EQUIPMENT-----	43,739	745	42,825	5,169
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS; MATCHES & CLOCKS-----				
3811 INSTR, TIME, PHOT, OPT GOODS-----	56,336	6,343	49,993	-----
MISC. PRODUCTS OF MANUFACTURING-----				
3911 MISC MANUFACTURED PRODUCTS-----	294,425	40,290	233,749	20,356
WASTE & SCRAP MATERIALS-----				
4011 IRON AND STEEL SCRAP-----	2,271,721	273,689	1,994,755	3,277
4012 NONFERROUS METAL SCRAP-----	66,796	12,798	48,049	5,999
4022 TEXTILE WASTE, SCRAP, SWEEP-----	10,145	7,485	2,666	-----
4024 PAPER WASTE AND SCRAP-----	2,561	1,873	688	-----
4029 WASTE AND SCRAP, NEC-----	879,674	14,908	617,108	247,658
SPECIAL ITEMS				
4111 WATER-----	98,897	-----	76,594	22,303
4112 COMMODITIES, NEC-----	4,594,891	1,810,146	2,757,944	26,801

WATER CARRIAGE TON-MILES

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TABLE 5--DOMESTIC TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1988

(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
TOTAL-----	890,028,398	561,594,865	58,159,458	269,035,703	1,238,372
FARM PRODUCTS					
0101 COTTON, RAW-----					
0101 COTTON, RAW-----	1,201	330	-----	871	-----
0102 BARLEY AND RYE-----	302,588	541	-----	302,047	-----
0103 CORN-----	39,970,000	369,711	-----	39,593,606	6,683
0104 OATS-----	328,772	3,039	-----	325,562	171
0105 RICE-----	769,392	297,714	-----	471,280	398
0106 SORGHUM GRAINS-----	1,722,940	16,005	-----	1,705,768	1,167
0107 WHEAT-----	9,957,271	514,328	718,983	8,721,999	1,961
0111 SOYBEANS-----	16,917,531	757	-----	16,914,976	1,798
0112 FLAXSEED-----	48	48	-----	-----	-----
0119 OILSEEDS, NEC-----	46,559	3,560	-----	42,999	-----
0121 TOBACCO, LEAF-----	1,251	1,251	-----	-----	-----
0122 HAY AND FODDER-----	28,171	21,042	-----	7,129	-----
0129 FIELD CROPS, NEC-----	11,904	3,666	-----	8,238	-----
0131 FRESH FRUITS-----	321,552	321,542	10	-----	-----
0132 BANANAS AND PLANTAINS-----	22,662	22,662	-----	-----	-----
0133 COFFEE-----	39,993	39,871	-----	122	-----
0134 COCOA BEANS-----	4,632	4,632	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	412,701	405,319	90	7,292	-----
0151 LIVE ANIMALS-----	19,082	19,049	-----	13	-----
0161 ANIMALS AND PRODUCTS, NEC-----	19,394	19,040	-----	354	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	67,824	64,183	1	3,640	-----
FOREST PRODUCTS					
0841 CRUDE RUBBER AND ALLIED GUMS-----	3,465	3,465	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	27,845	25,450	-----	2,395	-----
FRESH FISH & OTHER MARINE PRODUCTS					
0911 FRESH FISH, EXCEPT SHELLFISH-----	158,510	153,142	3	5,366	5
0912 SHELLFISH, EXCEPT PREPARED-----	22,548	14,052	-----	8,477	19
0931 MARINE SHELLS, UNMANUFACTURED-----	468,475	23,161	-----	447,314	-----
METALLIC ORES					
1011 IRON ORE AND CONCENTRATES-----	39,738,721	510	37,158,569	2,579,072	770
1021 COPPER ORE AND CONCENTRATES-----	72,899	-----	-----	72,899	-----
1051 ALUMINUM ORES, CONCENTRATES-----	476,249	-----	-----	476,249	-----
1061 MANGANESE ORES, CONCENTRATES-----	639,382	-----	-----	639,379	3
1091 NONFERROUS ORES, CONCENT., NEC-----	591,694	7,278	-----	582,677	1,739
COAL					
1121 COAL AND LIGNITE-----	87,504,135	6,697,936	9,612,890	71,133,077	60,232
CRUDE PETROLEUM					
1311 CRUDE PETROLEUM-----	386,835,511	381,099,635	30	5,655,473	80,373
NONMETALLIC MINERALS, EXCEPT FUELS					
1411 LIMESTONE-----	11,573,482	14,373	7,707,084	3,850,890	1,135
1412 BUILDING STONE, UNWORKED-----	8,128	8,128	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	6,221,831	212,670	265,015	5,614,334	129,812
1451 CLAY-----	293,877	27,131	1,122	264,295	1,331
1471 PHOSPHATE ROCK-----	3,885,019	3,874,313	-----	10,706	-----
1479 NATURAL FERTILIZER MATS, NEC-----	3,926	227	-----	3,697	2
1491 SALT-----	5,148,941	275,060	213,331	4,658,317	2,233
1492 SULPHUR, DRY-----	20,689	20,689	-----	-----	-----
1493 SULPHUR, LIQUID-----	3,436,764	3,075,128	-----	358,088	3,548
1495 GYPSUM, CRUDE AND PLASTERS-----	565,778	21,709	315,085	228,284	100
1499 NONMETALLIC MINERALS, NEC-----	515,541	39,275	-----	473,723	2,543
ORDNANCE & ACCESSORIES					
1911 ORDNANCE AND ACCESSORIES-----	285	285	-----	-----	-----
FOOD & KINDRED PRODUCTS					
2011 MEAT, FRESH, CHILLED, FROZEN-----	592,894	592,841	53	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	103,386	103,386	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	140,176	27,929	-----	111,708	539
2015 ANIMAL BY-PRODUCTS, NEC-----	5,784	2,910	-----	2,874	-----
2021 DAIRY PRODUCTS, NEC-----	87,941	87,908	33	-----	-----
2022 DRIED MILK AND CREAM-----	28,787	28,066	21	710	-----
2031 FISH AND SHELLFISH, PREPARED-----	495,507	490,164	-----	5,343	-----
2034 VEGETABLES AND PREP., NEC-----	359,937	354,975	56	4,906	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	737,768	737,736	32	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	57,913	57,059	-----	854	-----
2042 ANIMAL FEEDS-----	10,679,466	336,161	296	10,332,734	10,275
2049 GRAIN MILL PRODUCTS, NEC-----	4,395,532	149,221	-----	4,246,311	-----
2061 SUGAR-----	3,052,974	2,736,849	-----	314,125	-----
2062 MOLASSES-----	769,421	360,515	-----	408,588	318
2081 ALCOHOLIC BEVERAGES-----	631,244	631,129	-----	115	-----
2091 VEGETABLE OILS, NARG, SHORT-----	1,397,232	171,355	-----	1,223,525	2,352
2092 ANIMAL OILS AND FATS, NEC-----	8,219	1,565	-----	6,354	200
2094 GROCERIES-----	799,775	797,972	7	1,789	7
2095 ICE-----	2,431	420	3	2,002	6
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,907,330	1,887,634	130	19,549	17
TOBACCO PRODUCTS					
2111 TOBACCO MANUFACTURES-----	31,494	31,494	-----	-----	-----

Waterborne Commerce of the United States, 1988

TABLE 5--DOMESTIC TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1988--CONTINUED
(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKENWISE	INTERNAL	LOCAL
BASIC TEXTILES					
2211 BASIC TEXTILE PRODUCTS-----	96,368	78,304	-----	18,063	1
2212 TEXTILE FIBERS, NEC-----	12,010	11,014	-----	996	-----
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT					
2311 APPAREL-----	808,315	808,315	-----	-----	-----
LUMBER & WOOD PRODS., EXC. FURNITURE					
2411 LOGS-----	210,839	1,153	-----	209,693	3
2412 RAFTED LOGS-----	365,251	3,081	-----	313,588	47,782
2413 FUEL WOOD, CHARCOAL, WASTES-----	45,036	24,035	-----	20,929	72
2414 TIMBER, POSTS, POLES, PILING-----	37,999	24,113	-----	13,880	6
2415 PULPWOOD, LOG-----	378,970	5,202	-----	373,735	33
2416 WOOD CHIPS, STAVES, HOLDINGS-----	679,249	165	-----	678,272	812
2421 LUMBER-----	1,646,565	1,548,430	1,741	96,393	1
2431 VENEER, PLYWOOD, WORKED WOOD-----	217,978	160,937	-----	57,041	-----
2491 WOOD MANUFACTURES, NEC-----	341,698	341,209	43	641	9
FURNITURE & FIXTURES					
2511 FURNITURE AND FIXTURES-----	370,000	369,764	70	166	-----
PULP, PAPER & ALLIED PRODUCTS					
2611 PULP-----	120,647	58,906	92	61,849	-----
2621 STANDARD NEWSPRINT PAPER-----	104,035	48,404	4,100	55,531	-----
2631 PAPER AND PAPERBOARD-----	615,406	313,056	2,780	299,610	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	802,996	711,803	403	90,781	9
PRINTED MATTER					
2711 PRINTED MATTER-----	37,180	37,180	-----	-----	-----
CHEMICALS & ALLIED PRODUCTS					
2810 SODIUM HYDROXIDE-----	4,871,272	2,521,447	-----	2,340,701	9,124
2811 CRUDE TAR, OILY, GAS PRODUCTS-----	1,215,756	153,366	8,730	1,051,054	2,606
2812 DYES, PIGMENT, TANNING MATS-----	348	340	-----	8	-----
2813 ALCOHOLS-----	4,475,127	1,592,163	-----	2,871,171	11,793
2816 RADIOACTIVE MATERIALS, WASTES-----	4,172	767	-----	3,405	-----
2817 BENZENE AND TOLUENE-----	2,936,772	1,538,699	-----	1,373,395	24,678
2818 SULPHURIC ACID-----	390,929	58,368	-----	326,676	3,885
2819 BASIC CHEMICALS AND PROD., NEC-----	21,259,516	7,384,859	49,759	13,799,293	25,625
2821 PLASTIC MATERIALS-----	179,483	163,340	-----	16,138	5
2822 SYNTHETIC RUBBER-----	12,741	5,777	103	6,861	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	3,577	3,577	-----	-----	-----
2831 DRUGS-----	89,243	88,336	-----	907	-----
2841 SOAP-----	251,325	250,928	-----	394	3
2851 PAINTS-----	65,451	65,441	-----	10	-----
2861 GUM AND WOOD CHEMICALS-----	516,246	407,371	225	67,659	981
2871 NITROGENOUS CHEM FERTILIZERS-----	5,090,504	1,356,203	1,596	3,730,222	2,483
2872 POTASSIC CHEM FERTILIZERS-----	1,103,195	98,267	2	1,004,387	339
2873 PHOSPHATIC CHEM FERTILIZERS-----	698,662	48,754	4,293	595,686	127
2876 INSECTICIDES, DISINFECTANTS-----	13,176	13,114	-----	62	-----
2879 FERTILIZER AND MATERIALS, NEC-----	5,612,073	535,386	48	4,672,198	4,039
2891 MISCELLANEOUS CHEMICAL PRODS-----	849,261	647,742	-----	200,774	745
PETROLEUM & COAL PRODUCTS					
2911 GASOLINE-----	47,670,257	37,925,814	219,721	9,388,457	136,265
2912 JET FUEL-----	9,819,283	8,107,630	28,550	1,676,728	6,371
2913 KEROSENE-----	1,183,183	964,553	767	213,439	4,624
2914 DISTILLATE FUEL OIL-----	31,531,758	26,429,416	87,069	4,850,425	160,848
2915 RESIDUAL FUEL OIL-----	45,948,684	37,517,741	79,561	8,152,952	198,410
2916 LUBRICATING OILS AND GREASES-----	8,280,518	6,104,802	523	2,172,209	2,984
2917 NAPHTHA, PETROLEUM SOLVENTS-----	4,910,517	3,183,718	106	1,710,473	16,220
2918 ASPHALT, TAR, AND PITCHES-----	5,237,968	1,705,054	164,563	3,357,445	10,906
2920 COKE, PETROLEUM COKE-----	5,508,999	20,187	160,831	5,070,375	57,606
2921 LIQUEFIED GASES-----	649,053	197,897	4	450,965	187
2951 ASPHALT BUILDING MATERIALS-----	48,342	48,320	-----	22	-----
2991 PETROLEUM AND COAL PROD., NEC-----	1,646,993	1,196,853	-----	449,225	2,915
RUBBER & MISC. PLASTIC PRODUCTS					
3011 RUBBER AND MISC. PLASTIC PROD-----	260,182	249,460	1,081	9,641	-----
LEATHER & LEATHER PRODUCTS					
3111 LEATHER AND LEATHER PRODUCTS-----	45,145	45,145	-----	-----	-----
STONE, CLAY, GLASS & CONCRETE PROD.					
3211 GLASS AND GLASS PRODUCTS-----	63,120	60,944	-----	2,176	-----
3241 BUILDING CEMENT-----	3,645,930	615,035	845,648	2,175,963	9,284
3251 STRUCTURAL CLAY PRODUCTS-----	68,951	61,306	-----	7,445	-----
3271 LIME-----	780,390	771	-----	779,619	-----
3281 CUT STONE AND STONE PRODUCTS-----	23,539	23,539	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	309,305	283,784	41	25,422	58
PRIMARY METAL PRODUCTS					
3311 PIG IRON-----	693,113	28	-----	693,046	39
3312 SLAG-----	1,049,256	44,304	498,259	506,204	489
3313 COKE, PET. ASPHALTS, SOLVENTS-----	327	121	-----	206	-----
3314 IRON AND STEEL PRIMARY FORMS-----	2,646,195	12,907	3,639	2,630,132	1,517
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,459,410	57,691	26	1,400,625	1,068

TABLE 5--DOMESTIC TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1988--CONTINUED
(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKENWISE	INTERNAL	LOCAL
PRIMARY METAL PRODUCTS (CONTINUED)					
3316 IRON AND STEEL: PLATES, SHEETS-----	763,201	71,254	-----	691,872	75
3317 IRON AND STEEL: PIPE AND TUBE-----	520,495	67,332	28	453,019	116
3318 FERROALLOYS-----	1,580,377	6,831	48	1,570,955	2,543
3319 IRON AND STEEL: PRODUCTS, NEC-----	780,205	102,174	880	675,662	1,489
3321 NONFERROUS METALS, NEC-----	44,408	7,762	-----	36,646	-----
3322 COPPER ALLOYS, UNWORKED-----	43,140	15,161	-----	27,978	1
3323 LEAD AND ZINC, UNWORKED-----	35,142	1,312	-----	33,630	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	24,557	19,800	-----	4,751	6
FABRICATED METAL PRODUCTS, EXCEPT: ORDNANCE, MACHINERY, & TRANS. EQUIP.					
3411 FABRICATED METAL PRODUCTS-----	1,204,386	761,410	50	442,920	6
MACHINERY, EXCEPT ELECTRICAL-----					
3511 MACHINERY, EXCEPT ELECTRICAL-----	538,820	387,008	69	151,441	302
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES-----					
3611 ELECTRICAL MACH AND EQUIP-----	213,765	209,724	-----	4,041	-----
TRANSPORTATION EQUIPMENT-----					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	657,746	649,261	-----	8,485	-----
3721 AIRCRAFT AND PARTS-----	1,460	1,126	-----	334	-----
3731 SHIPS AND BOATS-----	18,702	18,679	-----	23	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	43,739	43,476	-----	263	-----
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, HATCHES & CLOCKS-----					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	56,336	56,336	-----	-----	-----
MISC. PRODUCTS OF MANUFACTURING-----					
3911 MISC MANUFACTURED PRODUCTS-----	294,425	253,686	-----	40,739	-----
WASTE & SCRAP MATERIALS-----					
4011 IRON AND STEEL: SCRAP-----	2,271,721	116,336	13	2,150,370	5,002
4012 NONFERROUS METAL SCRAP-----	66,796	14,714	-----	52,082	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	10,145	10,145	-----	-----	-----
4024 PAPER: WASTE AND SCRAP-----	2,561	2,561	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	879,674	68,470	35	696,470	114,699
SPECIAL ITEMS					
4111 WATER-----	98,897	3,720	-----	36,707	56,470
4112 COMMODITIES, NEC-----	4,594,891	4,570,353	501	23,269	766

TABLE 6--REGULATED TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1988
(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKENISE	INTERNAL	LOCAL
TOTAL	40,481,242	10,368,583	7,115,679	22,976,314	20,666
FARM PRODUCTS					
0101 COTTON, RAW	294	294			
0102 BARLEY AND RYE	685	541		144	
0103 CORN	251,714	85,399		166,315	
0104 OATS	3,506	749		2,757	
0105 RICE	56,101	56,101			
0106 SORGHUM GRAINS	26,917	16,005		10,912	
0107 WHEAT	303,272	171,961		131,311	
0111 SOYBEANS	87,275	720		86,555	
0112 FLAXSEED	46	46			
0119 OILSEEDS, NEC	28,924	3,533		25,391	
0121 TOBACCO, LEAF	657	657			
0122 HAY AND FODDER	2,083	2,083			
0129 FIELD CROPS, NEC	8,016	465		7,551	
0131 FRESH FRUITS	45,928	45,918	10		
0132 BANANAS AND PLANTAINS	11,669	11,669			
0133 COFFEE	32,191	32,191			
0134 COCOA BEANS	4,388	4,388			
0141 FRESH AND FROZEN VEGETABLES	86,308	86,218	90		
0151 LIVE ANIMALS	590	590			
0161 ANIMALS AND PRODUCTS, NEC	6,293	6,293			
0191 MISCELLANEOUS FARM PRODUCTS	3,441	3,440	1		
FOREST PRODUCTS					
0841 CRUDE RUBBER AND ALLIED GUMS	125	125			
0861 FOREST PRODUCTS, NEC	3,994	3,994			
FRESH FISH & OTHER MARINE PRODUCTS					
0911 FRESH FISH, EXCEPT SHELLFISH	80,402	80,402			
0912 SHELLFISH, EXCEPT PREPARED	3,266	3,266			
0931 MARINE SHELLS, UNMANUFACTURED	20,936	20,932		4	
METALLIC ORES					
1011 IRON ORE AND CONCENTRATES	6,917,112	35	5,592,793	1,324,284	
1051 ALUMINUM ORES, CONCENTRATES	60,612			60,612	
1061 MANGANESE ORES, CONCENTRATES	380,651			380,651	
1091 NONFERROUS ORES, CONCENT, NEC	66,228	202		66,026	
COAL					
1121 COAL AND LIGNITE	7,473,222	221,033	586,963	6,665,226	
CRUDE PETROLEUM					
1311 CRUDE PETROLEUM	101,983		30	101,953	
NONMETALLIC MINERALS, EXCEPT FUELS					
1411 LIMESTONE	2,061,275	6,191	917,151	1,137,933	
1412 BUILDING STONE, UNWORKED	7,797	7,797			
1442 SAND, GRAVEL, CRUSHED ROCK	139,242	7,703	447	131,092	
1451 CLAY	27,015	18,724	1,030	7,261	
1479 NATURAL FERTILIZER MATS, NEC	46	46			
1491 SALT	100,711	100,384	245	82	
1492 SULPHUR, DRY	569	569			
1494 GYPSUM, CRUDE AND PLASTERS	15,883			15,883	
1499 NONMETALLIC MINERALS, NEC	94,743	30,615		64,128	
ORDNANCE & ACCESSORIES					
1911 ORDNANCE AND ACCESSORIES	243	243			
FOOD & KINDRED PRODUCTS					
2011 MEAT, FRESH, CHILLED, FROZEN	136,258	136,205	53		
2012 MEAT AND PRODUCTS, NEC	47,517	47,517			
2014 TALLOW, ANIMAL FATS AND OILS	536	514		22	
2015 ANIMAL BY-PRODUCTS, NEC	2,090	2,090			
2021 DAIRY PRODUCTS, NEC	13,617	13,564	33		
2022 DRIED MILK AND CREAM	20,293	20,262	11		
2031 FISH AND SHELLFISH, PREPARED	212,827	212,827			
2034 VEGETABLES AND PREP, NEC	71,614	71,558	56		
2038 PREP FRUIT AND VEG JUICE, NEC	49,355	49,323	32		
2041 WHEAT FLOUR AND SEMOLINA	35,225	35,225			
2042 ANIMAL FEEDS	259,058	149,495	252	109,311	
2049 GRAIN MILL PRODUCTS, NEC	70,535	60,279		6,256	
2061 SUGAR	577,453	441,500		135,873	
2081 ALCOHOLIC BEVERAGES	212,838	212,838			
2091 VEGETABLE OILS, MARG, SHORT-	25,734	25,734			
2092 ANIMAL OILS AND FATS, NEC	366	366			
2094 GROCERIES	553	546	7		
2095 ICE	3		3		
2099 MISCELLANEOUS FOOD PRODUCTS	291,035	290,903	115		17
TOBACCO PRODUCTS					
2111 TOBACCO MANUFACTURES	5,610	5,610			
BASIC TEXTILES					
2211 BASIC TEXTILE PRODUCTS	41,751	26,181		15,570	
2212 TEXTILE FIBERS, NEC	741	741			

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TABLE 6--REGULATED TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1988--CONTINUED
(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKENWISE	INTERNAL	LOCAL
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT					
2311 APPAREL-----	689,969	689,969	-----	-----	-----
LUMBER & WOOD PRODS., EXCL. FURNITURE					
2411 LOGS-----	77,724	536	-----	77,185	3
2412 RAFTED LOGS-----	3,378	-----	-----	2,707	671
2413 FUEL WOOD, CHARCOAL, WASTES-----	3,426	167	-----	3,259	-----
2414 TIMBER, POSTS, POLES, PILING-----	6,050	4,866	-----	1,212	-----
2415 PULPWOOD, LOG-----	2,047	358	-----	1,689	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	45,907	165	-----	45,742	-----
2421 LUMBER-----	935,361	876,939	1,736	56,568	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	43,176	30,921	-----	12,255	-----
2491 WOOD MANUFACTURES, NEC-----	29,024	29,786	36	-----	-----
FURNITURE & FIXTURES					
2511 FURNITURE AND FIXTURES-----	60,040	59,975	65	-----	-----
PULP, PAPER & ALLIED PRODUCTS					
2611 PULP-----	31,445	2,964	92	28,389	-----
2621 STANDARD NEWSPRINT PAPER-----	41,138	37,012	4,100	26	-----
2631 PAPER AND PAPERBOARD-----	410,529	200,360	2,780	207,369	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	175,051	155,798	403	18,844	6
PRINTED MATTER					
2711 PRINTED MATTER-----	6,121	6,121	-----	-----	-----
CHEMICALS & ALLIED PRODUCTS					
2810 SODIUM HYDROXIDE-----	455,619	162,959	-----	292,386	274
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	326,636	2,070	-----	324,058	499
2812 DYES, PIGMENT, TANNING MATS-----	299	295	4	-----	-----
2813 ALCOHOLS-----	743,051	30,040	-----	712,732	275
2816 RADIONUCLIDES, MATERIALS, WASTES-----	88	88	-----	-----	-----
2817 BENZENE AND TOLUENE-----	298,076	15,939	-----	275,169	6,968
2818 SULPHURIC ACID-----	104,776	2,343	-----	100,420	2,015
2819 BASIC CHEMICALS AND PROD, NEC-----	2,002,482	563,198	876	1,433,856	4,552
2821 PLASTIC MATERIALS-----	67,928	67,928	-----	-----	-----
2822 SYNTHETIC RUBBER-----	4,297	4,194	103	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	163	163	-----	-----	-----
2831 DRUGS-----	10,750	10,750	-----	-----	-----
2841 SOAPS-----	58,652	58,652	-----	-----	-----
2851 PAINTS-----	5,821	5,821	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	259	20	225	10	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	279,111	203,163	-----	75,948	-----
2872 POTASSIC CHEM FERTILIZERS-----	47,878	45,800	2	2,076	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	37,040	36,597	-----	643	-----
2876 INSECTICIDES, DISINFECTANTS-----	2,256	2,256	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	232,871	80,425	48	152,398	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	36,693	19,738	-----	16,955	-----
PETROLEUM & COAL PRODUCTS					
2911 GASOLINE-----	891,802	259,984	16	631,516	286
2912 JET FUEL-----	166,704	84,189	-----	84,515	-----
2913 KEROSENE-----	24,619	12,311	-----	12,508	-----
2914 DISTILLATE FUEL OIL-----	499,700	165,624	17	333,940	119
2915 RESIDUAL FUEL OIL-----	916,500	1,256	-----	915,058	180
2916 LUBRICATING OILS AND GREASES-----	274,071	273,797	-----	274	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	96,139	4,710	-----	91,180	249
2918 ASPHALT, TAR, AND PITCHES-----	227,815	149,534	89	78,192	-----
2920 COKE, PETROLEUM COKE-----	1,573,255	14,120	-----	1,558,726	409
2921 LIQUEFIED GASES-----	4,474	170	3	4,301	-----
2951 ASPHALT BUILDING MATERIALS-----	1,050	1,050	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	629,645	556,150	-----	73,478	17
RUBBER & MISC. PLASTIC PRODUCTS					
3011 RUBBER AND MISC. PLASTIC PROD-----	59,394	58,313	1,081	-----	-----
LEATHER & LEATHER PRODUCTS					
3111 LEATHER AND LEATHER PRODUCTS-----	14,328	14,328	-----	-----	-----
STONE, CLAY, GLASS, & CONCRETE PROD.					
3211 GLASS AND GLASS PRODUCTS-----	23,053	23,053	-----	-----	-----
3241 BUILDING CEMENT-----	97,728	37,363	28	60,329	8
3251 STRUCTURAL CLAY PRODUCTS-----	46,593	46,593	-----	-----	-----
3271 LIME-----	23,479	154	-----	23,325	-----
3281 CUT STONE AND STONE PRODUCTS-----	11,981	11,981	-----	-----	-----
3291 MISC. NONMETALLIC MINERAL PROD-----	29,182	28,313	36	833	-----
PRIMARY METAL PRODUCTS					
3311 PIG IRON-----	173,824	28	-----	173,757	39
3312 SLAG-----	244,118	-----	-----	244,118	-----
3314 IRON AND STEEL: PRIMARY FORMS-----	1,271,353	8,763	3,499	1,257,650	1,441
3315 IRON, STEEL SHAPES, EXC SHEET-----	420,796	38,259	-----	381,526	1,011
3316 IRON AND STEEL PLATES, SHEETS-----	450,502	6,704	-----	443,751	7
3317 IRON AND STEEL PIPE AND TUBE-----	142,908	15,389	28	127,445	46
3318 FERROALLOYS-----	731,616	6,831	-----	724,785	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	614,479	29,719	811	582,660	1,489
3321 NONFERROUS METALS, NEC-----	36,735	5,003	-----	31,732	-----
3322 COPPER ALLOYS, UNWORKED-----	35,948	14,093	-----	21,854	1

Waterborne Commerce of the United States, 1988

TABLE 6--REGULATED TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1988--CONTINUED
(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKENWISE	INTERNAL	LOCAL
PRIMARY METAL PRODUCTS (CONTINUED)					
3323 LEAD AND ZINC, UNWORKED-----	4,131	1,032	-----	3,099	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	18,387	17,530	-----	851	6
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.					
3411 FABRICATED METAL PRODUCTS-----	354,891	94,339	50	260,502	-----
MACHINERY, EXCEPT ELECTRICAL-----					
3511 MACHINERY, EXCEPT ELECTRICAL-----	154,562	100,298	27	54,214	23
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES-----					
3611 ELECTRICAL, MACH. AND EQUIP-----	48,587	48,566	-----	21	-----
TRANSPORTATION EQUIPMENT-----					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	120,430	119,837	-----	593	-----
3721 AIRCRAFT AND PARTS-----	917	699	-----	218	-----
3731 SHIPS AND BOATS-----	1,343	1,343	-----	-----	-----
3791 MISC. TRANSPORTATION EQUIPMENT-----	745	745	-----	-----	-----
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, HATCHES & CLOCKS-----					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	6,343	6,343	-----	-----	-----
MISC. PRODUCTS OF MANUFACTURING-----					
3911 MISC MANUFACTURED PRODUCTS-----	40,290	40,290	-----	-----	-----
WASTE & SCRAP MATERIALS-----					
4011 IRON AND STEEL SCRAP-----	273,689	322	-----	273,356	11
4012 NONFERROUS METAL SCRAP-----	12,796	3,217	-----	9,581	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	7,485	7,485	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	1,873	1,873	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	14,908	334	4	14,570	-----
SPECIAL ITEMS-----					
4112 COMMODITIES, NEC-----	1,810,146	1,803,231	200	6,715	-----

TABLE 7--EXEMPT, FOR HIRE, TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1988

(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
TOTAL	650,927,368	378,284,498	45,724,422	226,026,695	891,753
FARM PRODUCTS					
0101 COTTON, RAW	907	36		871	
0102 BARLEY AND RYE	300,556	-----		300,556	-----
0103 CORN	39,253,330	286,312	-----	38,942,335	6,663
0104 OATS	321,525	2,290	-----	319,064	171
0105 RICE	708,889	239,613	-----	686,878	398
0106 SORGHUM, GRAINS	1,474,036	-----		1,072,869	1,187
0107 WHEAT	9,112,008	342,367	718,983	8,048,697	1,961
0111 SOYBEANS	16,116,164	37	-----	16,114,371	1,756
0119 OILSEEDS, NEC	16,391	27	-----	16,364	-----
0121 TOBACCO, LEAF	594	594	-----	-----	-----
0122 HAY AND FODDER	26,088	18,959	-----	7,129	-----
0129 FIELD CROPS, NEC	3,688	3,201	-----	687	-----
0131 FRESH FRUITS	275,624	275,624	-----	-----	-----
0132 BANANAS AND PLANTAINS	10,993	10,993	-----	-----	-----
0133 COFFEE	7,802	7,680	-----	122	-----
0134 COCOA BEANS	244	244	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES	326,391	319,101	-----	7,290	-----
0151 LIVE ANIMALS	18,492	18,479	-----	13	-----
0161 ANIMALS AND PRODUCTS, NEC	13,101	12,747	-----	354	-----
0191 MISCELLANEOUS FARM PRODUCTS	64,383	60,743	-----	3,640	-----
FOREST PRODUCTS					
0841 CRUDE RUBBER AND ALLIED GUAMS	3,340	3,340	-----	-----	-----
0861 FOREST PRODUCTS, NEC	23,851	21,456	-----	2,395	-----
FRESH, FISH & OTHER MARINE PRODUCTS					
0911 FRESH FISH, EXCEPT SHELLFISH	75,103	72,718	3	2,382	-----
0912 SHELLFISH, EXCEPT PREPARED	11,738	10,786	-----	948	-----
0931 MARINE SHELLS, UNMANUFACTURED	67,551	229	-----	67,322	-----
METALLIC ORES					
1011 IRON ORE AND CONCENTRATES	28,932,453	275	27,734,855	1,196,633	690
1021 COPPER ORE AND CONCENTRATES	72,899	-----	72,899	-----	-----
1051 ALUMINUM ORES, CONCENTRATES	415,637	-----	415,637	-----	-----
1061 MANGANESE ORES, CONCENTRATES	256,568	-----	256,565	3	3
1091 NONFERROUS ORES, CONCENT, NEC	523,198	7,076	-----	514,383	1,739
COAL					
1121 COAL AND LIGNITE	79,570,540	6,476,903	8,900,038	64,143,654	49,945
CRUDE PETROLEUM					
1311 CRUDE PETROLEUM	262,347,696	257,214,456	-----	5,060,888	72,352
NONMETALLIC MINERALS, EXCEPT FUELS					
1411 LIMESTONE	8,098,334	8,182	5,920,890	2,169,262	-----
1412 BUILDING STONE, UNWORKED	331	331	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK	3,970,828	202,105	264,568	3,644,801	39,358
1451 CLAY	248,211	8,324	92	239,167	628
1471 PHOSPHATE ROCK	3,085,019	3,874,313	-----	10,706	-----
1479 NATURAL FERTILIZER MATS, NEC	3,880	181	-----	3,697	2
1491 SALT	4,843,487	166,686	114,910	4,559,658	2,233
1492 SULPHUR, DRY	20,120	20,120	-----	-----	-----
1493 SULPHUR, LIQUID	2,242,408	1,940,191	-----	299,625	2,592
1494 GIPSUM, CRUDE AND PLASTERS	626,513	21,709	315,885	91,019	100
1499 NONMETALLIC MINERALS, NEC	617,737	8,650	-----	408,459	628
ORDNANCE & ACCESSORIES					
1911 ORDNANCE AND ACCESSORIES	42	42	-----	-----	-----
FOOD & KINDRED PRODUCTS					
2011 MEAT, FRESH, CHILLED, FROZEN	456,589	456,589	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC	55,869	55,869	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS	139,640	27,415	-----	111,686	539
2015 ANIMAL BY-PRODUCTS, NEC	3,694	820	-----	2,874	-----
2021 DAIRY PRODUCTS, NEC	74,324	74,324	-----	-----	-----
2022 DRIED MILK AND CREAM	4,494	3,784	-----	710	-----
2031 FISH AND SHELLFISH, PREPARED	247,955	242,612	-----	5,343	-----
2034 VEGETABLES AND PREP, NEC	288,323	283,417	-----	4,906	-----
2039 PREP FRUIT AND VEG JUICE, NEC	688,341	688,341	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA	22,688	21,634	-----	854	-----
2042 ANIMAL FEEDS	10,071,466	188,666	44	9,870,481	10,275
2049 GRAIN MILL PRODUCTS, NEC	3,879,671	84,942	-----	3,790,729	-----
2061 SUGAR	2,075,521	2,297,269	-----	176,252	-----
2062 MOLASSES	760,551	360,515	-----	399,718	318
2081 ALCOHOLIC BEVERAGES	418,406	418,291	-----	115	-----
2091 VEGETABLE OILS, MARG, SHORT.	1,237,853	145,621	-----	1,089,890	2,352
2092 ANIMAL OILS AND FATS, NEC	7,653	1,299	-----	6,354	-----
2094 GROCERIES	799,221	797,425	-----	1,789	7
2095 ICE	2,382	420	-----	1,956	6
2099 MISCELLANEOUS FOOD PRODUCTS	1,610,193	1,596,727	15	13,451	-----
TOBACCO PRODUCTS					
2111 TOBACCO MANUFACTURES	25,884	25,884	-----	-----	-----

Waterborne Commerce of the United States, 1988

TABLE 7--EXEMPT, FOR HIRE TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1988--CONTINUED
(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
BASIC TEXTILES					
2211 BASIC TEXTILE PRODUCTS-----	54,616	52,123	-----	2,492	1
2212 TEXTILE FIBERS, NEC-----	11,269	10,273	-----	996	-----
APPAREL & OTHER FINISHED TEXTILE PRODUCTS, INCLUDING KNIT					
2311 APPAREL-----	116,346	116,346	-----	-----	-----
LUMBER & WOOD PRODS., EXC. FURNITURE					
2411 LOGS-----	90,119	617	-----	89,502	-----
2412 RAFTED LOGS-----	321,340	3,881	-----	270,348	47,111
2413 FUEL WOOD, CHARCOAL, WASTES-----	34,456	23,868	-----	16,516	72
2414 TIMBER, POOTS, POLES, PILING-----	31,150	19,244	-----	11,900	6
2415 PULPWOOD, LOG-----	57,637	1,528	-----	56,109	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	323,303	-----	-----	322,491	812
2421 LUMBER-----	710,911	671,202	5	39,703	1
2431 VENEER, PLYWOOD, WORKED WOOD-----	174,802	130,016	-----	44,786	-----
2491 WOOD MANUFACTURES, NEC-----	311,594	311,404	5	180	5
FURNITURE & FIXTURES					
2511 FURNITURE AND FIXTURES-----	309,033	309,789	5	139	-----
PULP, PAPER & ALLIED PRODUCTS					
2611 PULP-----	89,402	55,942	-----	33,460	-----
2621 STANDARD NEWSPRINT PAPER-----	66,897	11,392	-----	55,505	-----
2631 PAPER AND PAPERBOARD-----	204,865	112,644	-----	92,221	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	620,155	548,215	-----	71,937	3
PRINTED MATTER					
2711 PRINTED MATTER-----	31,059	31,059	-----	-----	-----
CHEMICALS & ALLIED PRODUCTS					
2810 SODIUM HYDROXIDE-----	2,980,973	2,320,379	-----	657,916	2,678
2811 CRUDE TAR, DIL. GAS PRODUCTS-----	765,218	95,734	8,730	676,648	2,106
2812 DYES, PIGMENTS, TANNING MATS-----	49	45	-----	4	-----
2813 ALCOHOLS-----	3,067,240	1,347,515	-----	1,713,013	6,712
2816 RADIOACTIVE MATERIALS, WASTES-----	4,084	679	-----	3,405	-----
2817 BENZENE AND TOLUENE-----	1,596,522	751,103	-----	829,863	15,556
2818 SULPHURIC ACID-----	57,737	30,638	-----	26,508	591
2819 BASIC CHEMICALS AND PROD, NEC-----	16,311,757	6,044,626	46,883	10,294,411	13,037
2821 PLASTIC MATERIALS-----	111,555	95,412	-----	16,138	5
2822 SYNTHETIC RUBBERS-----	8,444	1,583	-----	6,861	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	3,614	3,414	-----	-----	-----
2831 DRUGS-----	78,493	77,586	-----	907	-----
2841 SOAPS-----	192,673	192,276	-----	394	3
2851 PAINTS-----	59,630	59,620	-----	10	-----
2861 GUM AND WOOD CHEMICALS-----	515,987	447,347	-----	67,649	991
2871 NITROGENOUS CHEM FERTILIZERS-----	4,476,331	1,153,040	1,596	3,319,251	2,448
2872 POTASSIUM CHEM FERTILIZERS-----	1,053,748	52,467	-----	1,000,942	339
2873 PHOSPHATIC CHEM FERTILIZERS-----	612,429	20,688	4,295	587,319	127
2876 INSECTICIDES, DISINFECTANTS-----	10,920	10,858	-----	62	-----
2879 FERTILIZER AND MATERIALS, NEC-----	4,350,738	200,294	-----	4,146,005	4,439
2891 MISCELLANEOUS CHEMICAL PROD-----	221,035	96,697	-----	123,593	745
PETROLEUM & COAL PRODUCTS					
2911 GASOLINE-----	32,499,000	25,246,128	174,538	6,976,471	101,863
2912 JET FUEL-----	6,030,126	4,738,802	28,554	1,256,688	6,082
2913 KEROSENE-----	638,939	455,989	767	178,452	3,731
2914 DISTILLATE FUEL OIL-----	18,977,418	15,584,085	73,731	3,186,918	132,684
2915 RESIDUAL FUEL OIL-----	32,900,559	26,328,967	79,032	5,307,566	184,994
2916 LUBRICATIVE OILS AND GREASES-----	4,030,950	2,320,921	464	1,706,894	2,671
2917 NAPHTHA, PETROLEUM SOLVENTS-----	2,373,169	1,130,264	106	1,230,975	11,824
2918 ASPHALT, TAR, AND PITCHES-----	4,404,997	1,414,873	164,474	2,814,965	10,685
2920 COKE, PETROLEUM COKE-----	3,698,656	6,067	130,336	3,505,012	56,841
2921 LIQUEFIED GASES-----	120,257	6,317	1	113,888	51
2951 ASPHALT BUILDING MATERIALS-----	47,492	47,270	-----	22	-----
2991 PETROLEUM AND COAL PROD, NEC-----	653,177	478,076	-----	372,219	2,889
RUBBER & MISC. PLASTIC PRODUCTS					
3011 RUBBER AND MISC PLASTIC PROD-----	200,788	191,147	-----	9,641	-----
LEATHER & LEATHER PRODUCTS					
3111 LEATHER AND LEATHER PRODUCTS-----	30,817	30,817	-----	-----	-----
STONE, CLAY, GLASS, & CONCRETE PROD.					
3211 GLASS AND GLASS PRODUCTS-----	40,067	37,891	-----	2,176	-----
3241 BUILDING CEMENT-----	2,222,915	30,571	505,701	1,597,392	9,251
3251 STRUCTURAL CLAY PRODUCTS-----	22,358	14,713	-----	7,645	-----
3271 LIME-----	605,999	617	-----	605,382	-----
3281 CUT STONE AND STONE PRODUCTS-----	11,558	11,558	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	269,970	255,471	5	14,440	54
PRIMARY METAL PRODUCTS					
3311 PIG IRON-----	519,289	-----	-----	519,289	-----
3312 SLAG-----	707,286	19,936	452,481	234,420	489
3313 COKE, PET ASPHALTS, SOLVENTS-----	327	121	-----	206	-----
3314 IRON AND STEEL PRIMARY FORMS-----	1,376,842	4,144	140	1,372,482	76
3315 IRON, STEEL SHAPES, EXC. SHEET-----	1,038,591	19,432	26	1,019,076	57

TABLE 7--EXEMPT, FOR HIRE TON-MILES: COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1968--CONTINUED
(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE	INTERNAL	LOCAL
PRIMARY METAL PRODUCTS (CONTINUED)					
3316 IRON AND STEEL PLATES, SHEETS-----	312,699	64,550	-----	248,121	28
3317 IRON AND STEEL PIPE AND TUBE-----	358,279	51,809	-----	306,000	70
3318 FERROALLOYS-----	843,936	-----	48	841,345	2,543
3319 IRON AND STEEL PRODUCTS, NEC-----	162,577	72,455	69	90,053	-----
3321 NONFERROUS METALS, NEC-----	7,675	2,759	-----	4,914	-----
3322 COPPER ALLOYS, UNWORKED-----	7,192	1,068	-----	6,124	-----
3323 LEAD AND ZINC, UNWORKED-----	31,011	280	-----	30,731	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	6,170	2,270	-----	3,900	-----
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.					
3411 FABRICATED METAL PRODUCTS-----	838,178	658,084	-----	180,088	6
MACHINERY, EXCEPT ELECTRICAL					
3511 MACHINERY, EXCEPT ELECTRICAL-----	376,493	283,218	42	92,955	278
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES					
3611 ELECTRICAL MACH AND EQUIP-----	165,105	161,155	-----	3,950	-----
TRANSPORTATION EQUIPMENT					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	537,295	529,424	-----	7,871	-----
3721 AIRCRAFT AND PARTS-----	543	427	-----	116	-----
3731 SHIPS AND BOATS-----	12,060	12,048	-----	12	-----
3791 MISC. TRANSPORTATION EQUIPMENT-----	42,825	42,731	-----	94	-----
INSTRUMENTS, PHOTOGRAPHIC & OPTICAL GOODS, WATCHES & CLOCKS					
3811 INSTR. TIME, PHOTO, OPT GOODS-----	49,993	49,993	-----	-----	-----
MISC. PRODUCTS OF MANUFACTURING					
3911 MISC. MANUFACTURED PRODUCTS-----	233,749	212,487	-----	21,262	-----
WASTE & SCRAP MATERIALS					
4011 IRON AND STEEL SCRAP-----	1,994,755	114,655	13	1,876,413	3,674
4012 NONFERROUS METAL SCRAP-----	48,049	11,497	-----	36,552	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	2,660	2,660	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	686	688	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	617,108	53,335	51	555,999	7,743
SPECIAL ITEMS					
4111 WATER-----	76,594	3,675	-----	15,001	57,918
4112 COMMODITIES, NEC-----	2,757,944	2,740,323	301	16,552	766

Waterborne Commerce of the United States, 1988

TABLE 8--PRIVATE CARRIAGE TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1988
(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKENISE	INTERNAL	LOCAL
TOTAL-----	198,619,788	172,901,784	5,319,357	20,032,694	325,953
FARM PRODUCTS-----					
0102 BARLEY AND RYE-----	1,347	-----	-----	1,347	-----
0103 CORN-----	484,956	-----	-----	484,956	-----
0104 OATS-----	3,741	-----	-----	3,741	-----
0105 RICE-----	2,402	-----	-----	2,402	-----
0106 SORGHUM GRAINS-----	221,987	-----	-----	221,987	-----
0107 WHEAT-----	541,991	-----	-----	541,991	-----
0111 SOYBEANS-----	714,092	-----	-----	714,050	42
0119 OILSEEDS, NEC-----	1,244	-----	-----	1,244	-----
0141 FRESH AND FROZEN VEGETABLES-----	2	-----	-----	2	-----
FRESH FISH & OTHER MARINE PRODUCTS-----					
0911 FRESH FISH, EXCEPT SHELLFISH-----	3,011	22	-----	2,984	5
0912 SHELLFISH, EXCEPT PREPARED-----	7,248	-----	-----	7,529	19
0931 MARINE SHELLS, UNMANUFACTURED-----	379,988	-----	-----	379,988	-----
METALLIC ORES-----					
1011 IRON ORE AND CONCENTRATES-----	3,889,156	-----	3,830,921	58,155	80
1051 MANGANESE ORES, CONCENTRATES-----	2,163	-----	-----	2,163	-----
1091 NONFERROUS ORES, CONCENTRATES, NEC-----	2,268	-----	-----	2,268	-----
COAL-----					
1121 COAL AND LIGNITE-----	460,373	-----	125,889	324,197	10,287
CRUDE PETROLEUM-----					
1311 CRUDE PETROLEUM-----	124,385,832	123,885,179	-----	492,632	8,921
NONMETALLIC MINERALS, EXCEPT FUELS-----					
1411 LIMESTONE-----	1,413,873	-----	869,043	543,695	1,135
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,111,761	2,862	-----	2,018,441	90,458
1451 CLAY-----	18,651	83	-----	17,865	703
1491 SALT-----	204,743	7,990	99,176	98,577	-----
1493 SULPHUR, LIQUID-----	1,194,356	1,134,937	-----	58,463	956
1494 GYPSUM, CRUDE AND PLASTERS-----	121,382	-----	-----	121,382	-----
1499 NONMETALLIC MINERALS, NEC-----	3,061	10	-----	1,136	1,915
FOOD & KINDRED PRODUCTS-----					
2011 MEAT, FRESH, CHILLED, FROZEN-----	47	47	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	34,725	34,725	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	72	72	-----	-----	-----
2042 ANIMAL FEEDS-----	348,942	-----	-----	348,942	-----
2049 GRAIN MILL PRODUCTS, NEC-----	445,326	-----	-----	445,326	-----
2062 MOLASSES-----	8,870	-----	-----	8,870	-----
2091 VEGETABLE OILS, MARG, SHORT-----	133,635	-----	-----	133,635	-----
2092 ANIMAL OILS AND FATS, NEC-----	200	-----	-----	200	-----
2094 GROCERIES-----	1	1	-----	-----	-----
2095 ICE-----	46	-----	-----	46	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	6,102	4	-----	6,098	-----
BASIC TEXTILES-----					
2211 BASIC TEXTILE PRODUCTS-----	1	-----	-----	1	-----
LUMBER & WOOD PRODS., EXCL. FURNITURE-----					
2411 LOGS-----	42,996	-----	-----	42,996	-----
2412 RAFTED LOGS-----	40,533	-----	-----	40,533	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	7,154	-----	-----	7,154	-----
2414 TIMBER, POSTS, POLES, PILING-----	769	1	-----	768	-----
2415 PULPWOOD, LOG-----	319,286	3,316	-----	315,937	33
2416 WOOD CHIPS, STAVES, HOLDINGS-----	310,039	-----	-----	310,039	-----
2421 LUMBER-----	293	289	4	461	-----
2491 WOOD MANUFACTURES, NEC-----	480	19	-----	461	-----
FURNITURE & FIXTURES-----					
2511 FURNITURE AND FIXTURES-----	27	-----	-----	27	-----
PULP, PAPER & ALLIED PRODUCTS-----					
2631 PAPER AND PAPERBOARD-----	52	52	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	7,790	7,790	-----	-----	-----
CHEMICALS & ALLIED PRODUCTS-----					
2810 SODIUM HYDROXIDE-----	1,438,680	38,109	-----	1,390,399	6,172
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	103,902	55,553	-----	49,348	1
2813 ALCOHOLS-----	664,836	214,604	-----	449,426	4,806
2817 BENZENE AND TOLUENE-----	1,042,174	771,657	-----	266,363	2,154
2818 SULPHURIC ACID-----	226,416	25,387	-----	201,748	1,281
2819 BASIC CHEMICALS AND PROD, NEC-----	2,945,277	777,015	-----	2,161,026	7,236
2871 NITROGENOUS CHEM FERTILIZERS-----	335,062	-----	-----	335,023	39
2872 POTASSIC CHEM FERTILIZERS-----	1,569	-----	-----	1,569	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	48,993	41,469	-----	7,524	-----
2879 FERTILIZER AND MATERIALS, NEC-----	1,028,464	654,669	-----	373,795	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	591,533	531,307	-----	60,226	-----

TABLE 8--PRIVATE CARRIAGE: TON-MILES COMMODITY BY TYPE OF TRAFFIC, CALENDAR YEAR 1966--CONTINUED

(IN THOUSANDS)

COMMODITY	TOTAL	COASTWISE	LAKENWISE	INTERNAL	LOCAL
PETROLEUM & COAL PRODUCTS					
2911 GASOLINE-----	14,279,455	12,419,702	45,167	1,780,470	34,116
2912 JET FUEL-----	3,620,453	3,284,639	-----	355,525	289
2913 KEROSENE-----	519,425	496,253	-----	22,479	693
2914 DISTILLATE FUEL OIL-----	12,054,640	10,679,707	13,321	1,333,567	28,045
2915 RESIDUAL FUEL OIL-----	12,131,625	11,187,516	569	930,326	13,230
2916 LUBRICATING OILS AND GREASES-----	3,975,497	3,510,084	59	465,041	313
2917 NAPHTHA, PETROLEUM SOLVENTS-----	2,441,209	2,048,744	-----	388,318	4,147
2918 ASPHALT, TAR, AND PITCHES-----	605,156	140,647	-----	484,268	221
2920 COKE, PETROLEUM COKE-----	37,088	-----	30,495	6,237	356
2921 LIQUEFIED GASES-----	524,322	191,410	-----	332,776	136
2991 PETROLEUM AND COAL PROD, NEC-----	166,171	162,625	-----	3,537	9
STONE, CLAY, GLASS, & CONCRETE PROD.					
3241 BUILDING CEMENT-----	1,325,287	547,101	259,919	516,242	25
3271 LIME-----	150,912	-----	-----	150,912	-----
3291 MISC. NONMETALLIC MINERAL PROD-----	10,153	-----	-----	10,149	4
PRIMARY METAL PRODUCTS					
3312 SLAG-----	97,852	24,368	45,818	27,666	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	23	-----	-----	23	-----
3317 IRON AND STEEL: PIPE AND TUBE-----	19,308	134	-----	19,174	-----
3318 FERROALLOYS-----	4,825	-----	-----	4,825	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	3,149	-----	-----	3,149	-----
FABRICATED METAL PRODUCTS, EXCEPT ORDNANCE, MACHINERY, & TRANS. EQUIP.					
3411 FABRICATED METAL PRODUCTS-----	11,317	8,987	-----	2,330	-----
MACHINERY, EXCEPT ELECTRICAL					
3511 MACHINERY, EXCEPT ELECTRICAL-----	7,765	3,492	-----	4,272	1
ELECTRICAL MACHINERY, EQUIPMENT & SUPPLIES					
3611 ELECTRICAL MACH AND EQUIP-----	73	3	-----	70	-----
TRANSPORTATION EQUIPMENT					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	21	-----	-----	21	-----
3731 SHIPS AND BOATS-----	5,299	5,288	-----	11	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	169	-----	-----	169	-----
MISC. PRODUCTS OF MANUFACTURING					
3911 MISC MANUFACTURED PRODUCTS-----	20,386	909	-----	19,477	-----
WASTE & SCRAP MATERIALS					
4011 IRON AND STEEL SCRAP-----	3,277	1,359	-----	601	1,317
4012 NONFERROUS METAL SCRAP-----	5,949	-----	-----	5,949	-----
4029 WASTE AND SCRAP, NEC-----	247,658	14,801	-----	125,901	106,956
SPECIAL ITEMS					
4111 WATER-----	22,303	45	-----	21,706	552
4112 COMMODITIES, NEC-----	26,801	26,799	2	-----	-----

SECTION 4

WATERBORNE TONNAGE BY STATE



WATERBORNE TONNAGE BY STATE

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CY 1988 WATERBORNE TONNAGE BY STATE (In Units of 1000 Tons)
SORTED BY STATE

STATE	SHIPPING TO		RECEIVING FROM		INTRA STATE	GRAND TOTALS
	DOMESTIC	FOREIGN	DOMESTIC	FOREIGN		
ALABAMA	8032	11141	20479	5652	15998	61302
ALASKA	107099	8709	2192	1303	5818	125121
ARKANSAS	4037	0	3589	0	1493	9119
CALIFORNIA	9973	36499	57019	33396	29561	166448
CANAL ZONE	0	0	0	0	0	0
CONNECTICUT	1370	242	11245	4404	767	18028
DELAWARE	15015	258	1727	10204	2977	30181
DIST. OF COL.	0	0	536	0	0	536
FLORIDA	10921	22487	52736	18962	3258	108364
GEORGIA	1205	5922	2168	6926	283	16504
GUAM	0	0	0	0	0	0
HAWAII	1647	578	6755	4353	5484	18817
IDAHO	1215	0	24	24	467	1730
ILLINOIS	61075	61	20389	2918	10821	95264
INDIANA	15909	74	40748	1739	4456	62926
IOWA	11633	0	5301	0	847	17781
KANSAS	154	0	82	0	2	238
KENTUCKY	49649	0	23197	0	10291	83137
LOUISIANA	83228	102736	131491	66026	36661	420142
MAINE	47	250	3450	6900	128	10775
MARYLAND	5702	12225	7257	16785	4785	46754
MASSACHUSETTS	782	564	11978	14233	1674	29231
MICHIGAN	26409	8316	22987	3869	14194	75775
MINNESOTA	39202	1431	4427	147	2579	47786
MISSISSIPPI	13592	3039	8212	14606	682	40131
MISSOURI	9648	0	8306	0	5790	23744
NEBRASKA	304	0	248	0	4	556
NEW HAMPSHIRE	7	273	1100	2100	6	3486
NEW JERSEY	40540	5213	31952	28631	8609	114945
NEW YORK	19246	2133	27492	45886	17501	112258
NORTH CAROLINA	739	3264	4134	3287	3741	15165
OHIO	33104	20882	53680	4319	11279	123264
OKLAHOMA	1912	0	939	0	159	3010
OREGON	5322	23133	7197	2587	7751	45990
OTHER	7517	0	23640	32481	925	64563
PENNSYLVANIA	15498	3208	41361	41499	16818	118384
PUERTO RICO	2469	1916	5915	14619	4685	29604
RHODE ISLAND	710	344	3467	4165	62	8748
SOUTH CAROLINA	329	4891	3334	4424	149	13127
TENNESSEE	5244	0	22017	0	2746	30007
TEXAS	53642	48211	37808	118373	42217	300251
TRANS-SHIP	30631	0	28145	0	4426	63202
VERMONT	0	0	70	0	0	70
VIRGIN ISLANDS	15486	378	4765	9498	297	30424
VIRGINIA	7792	49640	4760	9841	10857	82890
WASHINGTON	10141	42480	27444	14460	19113	113638
WEST VIRGINIA	39144	0	8651	0	10644	58439
WISCONSIN	22898	5826	5819	1280	534	36357
 TOTALS	790233	426324	790233	549897	321539	2087993
	INTERSTATE	EXPORTS	INTERSTATE	IMPORTS	INTRASTATE	TOTAL

CY 1988 WATERBORNE TONNAGE BY STATE (In Units of 1000 Tons)
SORTED BY TOTAL TONS

STATE	SHIPPING TO DOMESTIC	SHIPPING TO FOREIGN	RECEIVING FROM DOMESTIC	RECEIVING FROM FOREIGN	INTRA STATE	GRAND TOTALS
LOUISIANA	83228	102736	131491	66026	36661	420142
TEXAS	53642	48211	37808	118373	42217	300251
CALIFORNIA	9973	36499	57019	33396	29561	166448
ALASKA	107099	8709	2192	1303	5818	125121
OHIO	33104	20882	53680	4319	11279	123264
PENNSYLVANIA	15498	3208	41361	41499	16818	118384
NEW JERSEY	40540	5213	31952	28631	8609	114945
WASHINGTON	10141	42480	27444	14460	19113	113638
NEW YORK	19246	2133	27492	45886	17501	112258
FLORIDA	10921	22487	52736	18962	3258	108364
ILLINOIS	61075	61	20389	2918	10821	95264
KENTUCKY	49649	0	23197	0	10291	83137
VIRGINIA	7792	49640	4760	9841	10857	82890
MICHIGAN	26409	8316	22987	3869	14194	75775
OTHER	7517	0	23640	32481	925	64563
TRANS-SHIP	30631	0	28145	0	4426	63202
INDIANA	15909	74	40748	1739	4456	62926
ALABAMA	8032	11141	20479	5652	15998	61302
WEST VIRGINIA	39144	0	8651	0	10644	58439
MINNESOTA	39202	1431	4427	147	2579	47786
MARYLAND	5702	12225	7257	16785	4785	46754
OREGON	5322	23133	7197	2587	7751	45990
MISSISSIPPI	13592	3039	8212	14606	682	40131
WISCONSIN	22898	5826	5819	1280	534	36357
VIRGIN ISLANDS	15486	378	4765	9498	297	30424
DELAWARE	15015	258	1727	10204	2977	30181
TENNESSEE	5244	0	22017	0	2746	30007
PUERTO RICO	2469	1916	5915	14619	4685	29604
MASSACHUSETTS	782	564	11978	14233	1674	29231
MISSOURI	9648	0	8306	0	5790	23744
HAWAII	1647	578	6755	4353	5484	18817
CONNECTICUT	1370	242	11245	4404	767	18028
IOWA	11633	0	5301	0	847	17781
GEORGIA	1205	5922	2168	6926	283	16504
NORTH CAROLINA	739	3264	4134	3287	3741	15165
SOUTH CAROLINA	329	4891	3334	4424	149	13127
MAINE	47	250	3450	6900	128	10775
ARKANSAS	4037	0	3589	0	1493	9119
RHODE ISLAND	710	344	3467	4165	62	8748
NEW HAMPSHIRE	7	273	1100	2100	6	3486
OKLAHOMA	1912	0	939	0	159	3010
IDAHO	1215	0	24	24	467	1730
NEBRASKA	304	0	248	0	4	556
DIST. OF COL.	0	0	536	0	0	536
KANSAS	154	0	82	0	2	238
VERMONT	0	0	70	0	0	70
CANAL ZONE	0	0	0	0	0	0
GUAM	0	0	0	0	0	0
TOTALS	790233	426324	790233	549897	321539	2087993
	INTERSTATE	EXPORTS	INTERSTATE	IMPORTS	INTRASTATE	TOTAL

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