
WATERBORNE COMMERCE OF THE UNITED STATES

Calendar Year 1997

Part 1—
Waterways and Harbors
Atlantic Coast



Compiled under the supervision of
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Introduction

General

Waterborne Commerce of the United States, WCUS, Part 1 is one of a series of publications which provides statistics on the foreign and domestic waterborne commerce moved on the United States waters. WCUS, Parts 1-4 present detailed data on the movements of vessels and commodities at the ports and harbors and on the waterways and canals of the United States, the Commonwealth of Puerto Rico, and the Virgin Islands.

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

WCUS, Part 1 Atlantic Coast

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

WCUS, Part 3 Great Lakes

WCUS, Part 4 Pacific Coast, Alaska and Hawaii

WCUS, Part 5 National Summaries

Legal Authority

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

Owners, agents, masters, and clerks of vessels and other craft plying upon the navigable waters of the United States, and all individuals and corporations engaged in transporting their own goods upon the navigable waters of the United States, shall furnish such statements relative to vessels, passengers, freight and tonnage as may be required by the Secretary of the Army: Provided. That this provision shall not apply to those rafting logs, except upon

a direct request upon the owner to furnish specific information.

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

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

Domestic Commerce

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

The waterborne traffic movements are reported to the Corps of Engineers by all vessel operators of record on ENG Forms 3925 and 3925b (or equivalent) approved by the Office of Management and Budget under the Paperwork Reduction Act (44 U.S.C. 3510(a)). The reports are generally submitted on the basis of

individual vessel movements completed. For movements with cargo, the point of loading and the point of unloading of each individual commodity must be delineated. Cargo moved for the military agencies in commercial vessels is reported as ordinary commercial cargo; military cargo movements in Department of Defense vessels are not collected.

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

The fish landing data is furnished by the National Marine Fisheries Service. No domestic fishing vessel trips are included in the trip and draft data of the Trips and Drafts Section.

Foreign Commerce

Foreign commerce is waterborne import, export, and in-transit traffic between the United States, Puerto Rico and the Virgin Islands and any foreign country. These statistics do not include traffic between Guam, Wake Island and American Samoa and any other foreign country.

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

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

Import and export shipments for use of the United States Armed Forces abroad are not reported to the Waterborne Commerce Statistics Center (WCSC). Beginning with calendar year 1989 shipments under the military assistance

program of the Department of Defense are included in the statistics under the appropriate commodity code. In prior years these cargoes were given as commodity code 9999.

Commodity Descriptions

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

Tonnage

The tonnage figures provided throughout the **WCUS, Parts 1-5** represent short tons (2000 pounds). Tonnage figures are rounded to the nearest 1000 tons.

A zero represents less than 500 tons but more than zero. Dashes mean zero tons. Columns and rows may not add up exactly to totals and subtotals due to rounding.

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

Ton-Miles

For lakewise domestic movements, ton-miles equal the cargo tonnage times the distance between the U.S. Great Lakes ports. For overseas imports and exports, foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels. Ton-miles are rounded to the nearest 1000 ton-miles. The ton-mile data appears in the publication by traffic type at the end of a particular freight table for a given project. Since

there are columns that will not print (see tonnage above) the ton-miles associated with these columns will likewise not be included in the total ton-miles for that particular freight table. They will be included in "Ton-miles All Traffic" at the end of the project.

Trips

A trip is a vessel movement. For self-propelled vessels, a trip is logged between every point of departure and every point of arrival. For loaded barges, a trip is logged from the point of the loading of the barge to the point of unloading of the barge (i.e., excluding fleeting areas). For empty barges, trips are logged from point of unloading to the point of loading counting the fleeting areas in between (e.g. if an empty barge moved from Dock A to Dock B and the barge stopped at three fleeting areas in between, then four trips are logged.)

Some towboat trips and empty barge moves are estimated from a sample to expedite processing and reduce costs. Even with sampling, however, the number of towboat trips

are calculated from more than 70% of the total number of towboat moves reported, and the number of barge trips are derived from more than 85% of the total number of barge trips reported.

The number of trips also includes vessels engaged in foreign trade. These moves are furnished by the Bureau of the Census who process the data collected on U.S. Customs Service entrance and clearance forms.

To more accurately reflect actual traffic patterns (e.g. inbound versus outbound trip counts), some adjustments are made to the trip counts in the trip and draft tables in this publication.

Special Interest

... For calendar year 1997, the National Marine Fisheries Service did not furnish the fish statistics for New England Division in time for this printing.

... Passenger totals are not included in this publication but are available on request.

Terminology

Types of Traffic

Foreign

Imports

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

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

Exports

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

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

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

Domestic

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

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

Internal: Vessel movements (origin and destination) which take place solely on inland waterways. An inland waterway is one geographically located within the boundaries of the contiguous 48 states or within the boundaries of the State of Alaska. The term "internal traffic" is also applied to these vessel movements: those which involve carriage on both inland waterways and the Great Lakes; those occurring between offshore areas and inland waterways (e.g., oil rig supplies and fish); and those taking place within Delaware Bay, Chesapeake Bay, Puget Sound, and San Francisco Bay, which are considered internal bodies of water rather than arms of the ocean.

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

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

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

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

Traffic Direction

Waterways

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

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

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

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

Ports

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

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

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

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

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

Ton-miles: Water carriage ton-miles were first compiled and published in calendar year 1962. The distances used are statute miles. Domestic ton-miles are calculated by multiplying the tons of commerce being moved by the number of miles actually moved on the water (e.g. 50 short tons moving 200 miles on a particular waterway would yield 10,000 ton-miles for that waterway). The ton-mile parameter measures the total performance of a waterway. Ton-miles are not computed for ports.

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

For rivers and inland waterways the distances were computed from waterway survey maps and records of the Corps of Engineers.

For the Great Lakes System the ton-miles are computed for movements of cargo west of the

international boundary of St. Regis, Quebec, Canada to head of Lake Superior at Duluth, MN and Superior, WI.

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

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

For overseas imports and exports, foreign ton-miles are computed by multiplying the cargo tonnage by the miles carried on U.S. waterways and channels.

Ton-miles are rounded to the nearest thousand.

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

Commodity Classification List

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

Commodity Classification List (continued)

Major Grouping

Minor Grouping

Pub Group Pub Name

- 49 Other Non-Metal. Min.
 - 4900 Non-Metal. Min. NEC

- 50 Primary Manufactured Goods
 - 51 Paper Products
 - 5110 Newsprint
 - 5120 Paper & Paperboard
 - 5190 Paper Products NEC
 - 52 Lime, Cement and Glass
 - 5210 Lime
 - 5220 Cement & Concrete
 - 5240 Glass & Glass Prod.
 - 5290 Misc. Mineral Prod.
 - 53 Primary Iron and Steel Products
 - 5312 Pig Iron
 - 5315 Ferro Alloys
 - 5320 I&S Primary Forms
 - 5330 I&S Plates & Sheets
 - 5360 I&S Bars & Shapes
 - 5370 I&S Pipe & Tube
 - 5390 Primary I&S NEC
 - 54 Primary Non-Ferrous Metal Products
 - 5421 Copper
 - 5422 Aluminum
 - 5429 Smelted Prod. NEC
 - 5480 Fab. Metal Products
 - 55 Primary Wood Products; Veneer
 - 5540 Primary Wood Prod.

- 60 Food and Farm Products
 - 61 Fish
 - 6134 Fish (Not Shellfish)
 - 6136 Shellfish
 - 62-64 Grain
 - 6241 Wheat
 - 6344 Corn
 - 6442 Rice
 - 6443 Barley & Rye
 - 6445 Oats
 - 6447 Sorghum Grains
 - 65 Oilseeds
 - 6521 Peanuts
 - 6522 Soybeans
 - 6534 Flaxseed
 - 6590 Oilseeds NEC
 - 66 Vegetable Products
 - 6653 Vegetable Oils
 - 6654 Vegetables & Prod.
 - 67 Processed Grain and Animal Feed
 - 6746 Wheat Flour
 - 6747 Grain Mill Products

Major Grouping

Minor Grouping

Pub Group Pub Name

- 6781 Hay & Fodder
- 6782 Animal Feed, Prep.

- 68 Other Agricultural Products
 - 6811 Meat, Fresh, Frozen
 - 6817 Meat, Prepared
 - 6822 Dairy Products
 - 6835 Fish, Prepared
 - 6838 Tallow, Animal Oils
 - 6839 Animals & Prod. NEC
 - 6856 Bananas & Plantains
 - 6857 Fruit & Nuts NEC
 - 6858 Fruit Juices
 - 6861 Sugar
 - 6865 Molasses
 - 6871 Coffee
 - 6872 Cocoa Beans
 - 6885 Alcoholic Beverages
 - 6887 Groceries
 - 6888 Water & Ice
 - 6889 Food Products NEC
 - 6891 Tobacco & Products
 - 6893 Cotton
 - 6894 Natural Fibers NEC
 - 6899 Farm Products NEC

- 70 All Manufactured Equipment, Machinery and Products
 - 7110 Machinery (Not Elec)
 - 7120 Electrical Machinery
 - 7210 Vehicles & Parts
 - 7220 Aircraft & Parts
 - 7230 Ships & Boats
 - 7300 Ordnance & Access.
 - 7400 Manufac. Wood Prod.
 - 7500 Textile Products
 - 7600 Rubber & Plastic Pr.
 - 7800 Empty Containers
 - 7900 Manufac. Prod. NEC

- 80 Waste and Scrap NEC
 - 8900 Waste and Scrap NEC

- 90 Unknown or Not Elsewhere Classified
 - 99 Unknown or Not Elsewhere Clsfd
 - 9900 Unknown or NEC

Section 1

Freight Traffic

BUCKSPORT HARBOR, ME (INCLUDED IN PENOBSCOT RIVER, ME)

Section Included: Harbor proper, including western end of the Eastern Channel, opposite the northern end of Verona Island. Controlling Depth: 4.8 feet. Project Depth: 16 feet in middle ground at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	956	1991	1,113	1994	1,232	1997	1,153
1989	1,092	1992	1,354	1995	1,238		
1990	1,121	1993	1,158	1996	1,029		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Imports	Imports	Total	Coastwise	Internal
				Receipts	Shipments	
Total, all commodities	1,153	626	151	376	306	70
Total petroleum and petroleum products	1,143	626	151	366	296	70
Subtotal petroleum products	1,143	626	151	366	296	70
2211 gasoline	121	7	60	54	54	—
2221 kerosene	48	—	—	20	16	5
2330 distillate fuel oil	413	333	27	79	14	65
2340 residual fuel oil	534	285	37	213	213	—
2540 petroleum coke	27	—	27	—	—	—
Total chemicals and related products	9	—	—	9	9	—
Subtotal other chemicals and related products	9	—	—	9	9	—
3274 sodium hydroxide	9	—	—	9	9	—

PENOBSCOT RIVER, ME

Section Included: Mouth to Bangor, Controlling Depth: 18.2 feet in channel opposite Lawrence Cove and 20.5 feet in channel opposite Frankfort Flats, 11.7' at Bangor Harbor. Project Depth: 22 feet between Bucksport and Winterport, 15 feet near Stearns Mill and Crosby Narrows, 14 feet at harbor at Bangor. All at mean low water. Navigation Season: About 9 months.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,277	1991	1,530	1994	1,653	1997	1,698
1989	1,231	1992	1,774	1995	1,696		
1990	1,468	1993	1,602	1996	1,393		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Imports	Imports	Total	Coastwise	Internal
				Receipts	Intra Upbound	
Total, all commodities	1,698	702	177	819	749	70
Total petroleum and petroleum products	1,689	702	177	809	739	70
Subtotal petroleum products	1,689	702	177	809	739	70
2211 gasoline	360	20	60	280	280	—
2221 kerosene	68	—	27	41	36	5
2330 distillate fuel oil	552	333	—	219	153	65
2340 residual fuel oil	642	348	63	231	231	—
2430 asphalt, tar & pitch	39	—	—	39	39	—
2540 petroleum coke	27	—	27	—	—	—
Total chemicals and related products	9	—	—	9	9	—
Subtotal other chemicals and related products	9	—	—	9	9	—
3274 sodium hydroxide	9	—	—	9	9	—
Total all manufactured equipment, machinery and products	0	0	0	—	—	—
7230 ships & boats	0	0	0	—	—	—
Ton-miles (x1000)	21,844	8,961	2,314	10,569	10,013	556
Tons All Traffic (x1000)	1,698					
Ton-miles All Traffic (x1000)	21,845					

SEARSPORT HARBOR, ME

Section Included: Access Channel leading to turning basin and turning basin off piers at Mack Point. Controlling Depth: 34 feet in 35 foot Access Channel; 33.5 feet in 35 foot turning basin. Project Depth: 35 feet, all at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,173	1991	889	1994	1,136	1997	1,537
1989	1,083	1992	783	1995	1,263		
1990	1,194	1993	1,407	1996	1,433		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports	Exports	Imports	Coastwise Receipts
Total, all commodities	1,537	461	33	762	281
Total coal	102	29	—	—	73
1100 coal lignite	102	29	—	—	73
Total petroleum and petroleum products	1,043	146	—	705	192
Subtotal petroleum products	1,043	146	—	705	192
2211 gasoline	347	—	—	310	37
2330 distillate fuel oil	364	31	—	318	15
2340 residual fuel oil	284	72	—	72	140
2540 petroleum coke	48	42	—	6	—
Total chemicals and related products	28	11	2	—	15
Subtotal other chemicals and related products	28	11	2	—	15
3274 sodium hydroxide	21	6	—	—	15
3282 pigments & paints	0	—	0	—	—
3285 perfumes & cleansers	0	—	0	—	—
3286 plastics	0	—	0	—	—
3292 starches, gluten, glue	7	6	2	—	—
Total crude materials, inedible except fuels	333	276	1	57	—
Subtotal pulp and waste paper	0	—	0	—	—
4225 pulp & waste paper	0	—	0	—	—
Subtotal soil, sand, gravel, rock and stone	67	28	—	39	—
4323 gypsum	67	28	—	39	—
Subtotal iron ore and scrap	0	—	0	—	—
4420 iron & steel scrap	0	—	0	—	—
Subtotal non-ferrous ores and scrap	0	—	0	—	—
4680 non-ferrous scrap	0	—	0	—	—
Subtotal slag	7	7	—	—	—
4860 slag	7	7	—	—	—
Subtotal other non-metal. min.	259	241	—	18	—
4900 non-metal. min. nec	259	241	—	18	—
Total primary manufactured goods	25	—	25	—	—
Subtotal paper products	13	—	13	—	—
5120 paper & paperboard	13	—	13	—	—
Subtotal primary iron and steel products	12	—	12	—	—
5330 i&s plates & sheets	12	—	12	—	—
5390 primary i&s nec	0	—	0	—	—
Subtotal primary non-ferrous metal products	0	—	0	—	—
5422 aluminum	0	—	0	—	—
5429 smelted prod. nec	0	—	0	—	—
5480 fab. metal products	0	—	0	—	—
Total food and farm products	5	0	5	—	—
Subtotal grain	1	—	1	—	—
6344 corn	1	—	1	—	—
Subtotal vegetable products	0	—	0	—	—
6654 vegetables & prod.	0	—	0	—	—
Subtotal processed grain and animal feed	2	—	2	—	—
6782 animal feed, prep.	2	—	2	—	—
Subtotal other agricultural products	1	0	1	—	—
6822 dairy products	0	—	0	—	—
6839 animals & prod. nec	0	—	0	—	—
6885 alcoholic beverages	0	0	—	—	—
6889 food products nec	1	—	1	—	—
6899 farm products nec	0	—	0	—	—
Total all manufactured equipment, machinery and products	1	0	1	—	—
7110 machinery (not elec)	0	—	0	—	—
7120 electrical machinery	0	0	0	—	—
7210 vehicles & parts	0	—	0	—	—
7400 manufac. wood prod.	0	—	0	—	—
7500 textile products	0	—	0	—	—
7600 rubber & plastic pr.	0	—	0	—	—
7900 manufac. prod. nec	0	—	0	—	—

PORTLAND HARBOR, ME

Section Included: Northern limit from the mouth of the Presumpscot River on the west to the northern extremity of Great Diamond Island on the east; and the southern limit from Portland Head Light to the southern extremity of Cushing Island across the Main Ship Channel. Included within this area are the waterfronts of Portland, South Portland and Back Cove. Controlling Depth: 45 feet from the sea to the limit of the 45-foot channel; 44.8 feet in Main Ship Channel; 44.0 feet in 45-foot House Island anchorage; 33.5 feet in middle half of channel to Portland Bridge, thence 33.8 feet to upstream limit in the 35-foot Fore River Channel; 27 feet in 30 foot anchorage with shoaling to 24.2 feet in northeastern portion. Project Depth: 45 feet from open ocean to Portland Pipeline Corp. Terminal; 45 foot anchorage northwest of House Island; 30 foot anchorage off Fish Point, 35 feet in Fore River Channel; all at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	8,048	1991	8,032	1994	14,245	1997	16,334
1989	8,182	1992	12,511	1995	11,456		
1990	10,772	1993	11,171	1996	15,243		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports	Imports*	Exports
Total, all commodities	14,649	11,795	63	2,781	10
Total petroleum and petroleum products	14,271	11,627	0	2,642	2
Subtotal crude petroleum	10,743	10,648	—	95	—
2100 crude petroleum	10,743	10,648	—	95	—
Subtotal petroleum products	3,528	979	0	2,547	2
2211 gasoline	2,071	415	—	1,656	—
2221 kerosene	13	—	—	11	2
2330 distillate fuel oil	994	284	—	710	—
2340 residual fuel oil	164	125	—	39	—
2350 lube oil & greases	0	0	0	—	—
2429 naphtha & solvents	125	110	—	15	—
2540 petroleum coke	161	45	—	116	—
Total chemicals and related products	8	8	0	—	—
Subtotal other chemicals and related products	8	8	0	—	—
3240 nitrogen func. comp.	0	—	0	—	—
3250 organo-inorganic comp.	0	—	0	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	0	—	—
3282 pigments & paints	0	0	—	—	—
3285 perfumes & cleansers	0	—	0	—	—
3286 plastics	0	—	0	—	—
3292 starches, gluten, glue	8	7	0	—	—
3297 chemical additives	0	—	0	—	—
3299 chem. products nec	0	—	0	—	—
Total crude materials, inedible except fuels	221	155	22	36	8
Subtotal forest products, wood and chips	16	7	8	1	—
4170 wood in the rough	2	—	2	—	—
4189 lumber	5	—	5	—	—
4190 forest products nec	8	7	0	1	—
Subtotal pulp and waste paper	10	—	3	—	8
4225 pulp & waste paper	10	—	3	—	8
Subtotal iron ore and scrap	12	—	12	—	—
4420 iron & steel scrap	12	—	12	—	—
Subtotal non-ferrous ores and scrap	0	—	0	—	—
4680 non-ferrous scrap	0	—	0	—	—
Subtotal other non-metal. min.	183	148	—	36	—
4900 non-metal. min. nec	183	148	—	36	—
Total primary manufactured goods	135	1	33	102	0
Subtotal paper products	108	0	7	101	0
5110 newsprint	101	—	—	101	—
5120 paper & paperboard	3	—	3	0	0
5190 paper products nec	4	0	4	—	—
Subtotal lime, cement and glass	26	0	26	0	—
5240 glass & glass prod.	26	0	25	—	—
5290 misc. mineral prod.	0	0	0	0	—
Subtotal primary iron and steel products	0	0	—	—	—
5330 i&s plates & sheets	0	0	—	—	—
5360 i&s bars & shapes	0	0	—	—	—
5390 primary i&s nec	0	0	—	—	—
Subtotal primary non-ferrous metal products	1	0	1	1	—
5421 copper	1	—	1	—	—
5480 fab. metal products	1	0	0	1	—
Subtotal primary wood products	0	0	—	—	—
5540 primary wood prod.	0	0	—	—	—
Total food and farm products	11	4	5	1	0
Subtotal fish	1	—	0	0	0
6134 fish (not shellfish)	0	—	0	0	0
6136 shellfish	0	—	0	0	—
Subtotal oilseeds	0	0	—	—	—
6534 flaxseed	0	0	—	—	—
Subtotal vegetable products	0	—	0	—	—
6654 vegetables & prod.	0	—	0	—	—
Subtotal processed grain and animal feed	1	—	1	—	—
6781 hay & fodder	1	—	1	—	—
6782 animal feed, prep.	0	—	0	—	—
Subtotal other agricultural products	9	4	5	0	—
6811 meat, fresh, frozen	0	—	0	—	—

PORTLAND HARBOR, ME
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports	Imports*	Exports
6817 meat, prepared	0	—	0	—	—
6835 fish, prepared	1	—	1	0	—
6839 animals & prod. nec	4	—	4	—	—
6857 fruit & nuts nec	0	—	0	—	—
6872 cocoa beans	0	0	—	0	—
6885 alcoholic beverages	5	4	0	0	—
6889 food products nec	0	0	0	—	—
Total all manufactured equipment, machinery and products	3	1	2	0	—
7110 machinery (not elec)	1	1	1	—	—
7120 electrical machinery	0	0	0	—	—
7210 vehicles & parts	0	0	0	0	—
7230 ships & boats	0	—	0	—	—
7300 ordnance & access.	0	0	—	—	—
7400 manufac. wood prod.	0	0	0	—	—
7500 textile products	0	0	0	0	—
7600 rubber & plastic pr.	0	0	0	—	—
7900 manufac. prod. nec	1	0	0	0	—
Total unknown or not elsewhere classified	0	0	0	0	—
9900 unknown or nec	0	0	0	0	—
Ton-miles (x1000) Foreign & Canadian	14,649	11,795	63	2,781	10

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Intra Downbnd
Total, all commodities	1,685	1,513	162	2	8
Total coal	235	235	—	—	—
1100 coal lignite	235	235	—	—	—
Total petroleum and petroleum products	1,447	1,277	162	—	8
Subtotal petroleum products	1,447	1,277	162	—	8
2211 gasoline	618	459	153	—	6
2221 kerosene	102	98	4	—	—
2330 distillate fuel oil	438	437	—	—	1
2340 residual fuel oil	271	265	6	—	1
2430 asphalt, tar & pitch	5	5	—	—	—
2540 petroleum coke	13	13	—	—	—
Total primary manufactured goods	1	1	—	—	—
Subtotal lime, cement and glass	1	1	—	—	—
5290 misc. mineral prod.	1	1	—	—	—
Total food and farm products	2	—	—	2	—
Subtotal fish	2	—	—	2	—
6134 fish (not shellfish)	2	—	—	2	—
Ton-miles (x1000) Domestic	5,827	5,186	620	5	16
Tons All Traffic (x1000)	16,334				
Ton-miles All Traffic (x1000)	20,476				

*Includes 10,758 (x1000) tons of foreign inbound in-transits; Includes 110 (x1000) tons of Canadian inbound in-transits.

PORTSMOUTH HARBOR, NH

Section Included: From Mouth to Newington, NH, on the west bank of the Piscataqua River. Controlling Depth: Middle half of channel 33.2 feet to upstream limit. Project Depth: 35 feet at mean low water over ledges.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	3,484	1991	3,537	1994	3,479	1997	3,954
1989	3,476	1992	3,738	1995	3,914		
1990	4,646	1993	3,692	1996	3,708		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intra Downbd
		Imports	Exports	Imports	Total	Coastwise		
					Receipts	Shipments		
Total, all commodities	3,954	1,647	59	1,215	1,033	990	39	3
Total coal	491	345	—	—	146	146	—	—
1100 coal lignite	491	345	—	—	146	146	—	—
Total petroleum and petroleum products	2,122	775	0	461	887	844	39	3
Subtotal petroleum products	2,122	775	0	461	887	844	39	3
2211 gasoline	93	—	—	27	67	60	6	—
2221 kerosene	134	—	—	—	134	130	4	—
2330 distillate fuel oil	902	348	—	360	194	176	15	3
2340 residual fuel oil	447	86	—	12	350	344	6	—
2350 lube oil & greases	0	—	0	—	—	—	—	—
2430 asphalt, tar & pitch	142	—	—	—	142	134	8	—
2540 petroleum coke	132	69	—	63	—	—	—	—
2640 liquid natural gas	272	272	—	—	—	—	—	—
Total chemicals and related products	19	12	1	6	—	—	—	—
Subtotal other chemicals and related products	19	12	1	6	—	—	—	—
3230 carboxylic acids	0	—	0	—	—	—	—	—
3240 nitrogen func. comp.	0	—	0	—	—	—	—	—
3250 organo-inorganic comp.	0	—	0	—	—	—	—	—
3260 organic comp. nec	0	—	0	—	—	—	—	—
3274 sodium hydroxide	12	12	—	—	—	—	—	—
3275 inorg. elem. oxides, & halogen salts	0	—	0	—	—	—	—	—
3276 metallic salts	6	—	0	6	—	—	—	—
3282 pigments & paints	0	—	0	—	—	—	—	—
3285 perfumes & cleansers	0	—	0	—	—	—	—	—
3286 plastics	1	—	1	—	—	—	—	—
3297 chemical additives	0	—	0	—	—	—	—	—
3299 chem. products nec	0	—	0	—	—	—	—	—
Total crude materials, inedible except fuels	1,318	514	55	748	—	—	—	—
Subtotal forest products, wood and chips	0	—	0	—	—	—	—	—
4189 lumber	0	—	0	—	—	—	—	—
Subtotal pulp and waste paper	0	—	0	—	—	—	—	—
4225 pulp & waste paper	0	—	0	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	708	—	0	708	—	—	—	—
4310 building stone	0	—	0	—	—	—	—	—
4323 gypsum	708	—	—	708	—	—	—	—
Subtotal iron ore and scrap	55	—	55	—	—	—	—	—
4420 iron & steel scrap	55	—	55	—	—	—	—	—
Subtotal other non-metal. min.	554	514	0	40	—	—	—	—
4900 non-metal. min. nec	554	514	0	40	—	—	—	—
Total primary manufactured goods	1	0	1	0	0	0	0	—
Subtotal paper products	0	—	0	0	—	—	—	—
5120 paper & paperboard	0	—	—	0	—	—	—	—
5190 paper products nec	0	—	0	—	—	—	—	—
Subtotal lime, cement and glass	0	0	0	—	—	—	—	—
5240 glass & glass prod.	0	0	0	—	—	—	—	—
Subtotal primary iron and steel products	0	—	0	—	—	—	—	—
5330 i&s plates & sheets	0	—	0	—	—	—	—	—
Subtotal primary non-ferrous metal products	1	—	0	—	0	0	0	—
5421 copper	0	—	0	—	—	—	—	—
5422 aluminum	0	—	0	—	—	—	—	—
5480 fab. metal products	0	—	0	—	0	0	0	—
Total food and farm products	2	0	2	—	—	—	—	—
Subtotal grain	0	—	0	—	—	—	—	—
6344 corn	0	—	0	—	—	—	—	—

PORTSMOUTH HARBOR, NH
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intra Downbnd
		Imports	Exports	Imports	Total	Coastwise		
					Receipts	Shipments		
Subtotal vegetable products	0	---	0	---	---	---	---	---
6653 vegetable oils	0	---	0	---	---	---	---	---
6654 vegetables & prod.	0	---	0	---	---	---	---	---
Subtotal processed grain and animal feed	0	---	0	---	---	---	---	---
6747 grain mill products	0	---	0	---	---	---	---	---
6781 hay & fodder	0	---	0	---	---	---	---	---
Subtotal other agricultural products	1	0	1	---	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---	---
6857 fruit & nuts nec	1	---	1	---	---	---	---	---
6858 fruit juices	0	---	0	---	---	---	---	---
6885 alcoholic beverages	0	0	---	---	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---	---
Total all manufactured equipment, machinery and products	1	0	1	0	---	---	---	---
7110 machinery (not elec)	0	---	0	---	---	---	---	---
7120 electrical machinery	1	---	1	---	---	---	---	---
7210 vehicles & parts	0	---	0	---	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---	---
7500 textile products	0	---	0	0	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---	---
7900 manufac. prod. nec	0	0	0	0	---	---	---	---
Total unknown or not elsewhere classified	0	0	---	---	---	---	---	---
9900 unknown or nec	0	0	---	---	---	---	---	---
Ton-miles (x1000)	15,292	5,619	121	4,622	4,931	4,731	197	3

Tons All Traffic (x1000)
Ton-miles All Traffic (x1000)

3,954
15,292

SALEM HARBOR, MA

Section Included: Westerly shore of harbor. Controlling Depth: 30 feet at mean low water in the 32-foot channel. Project Depth: Main channel 32 feet at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,465	1991	1,552	1994	1,227	1997	1,599
1989	1,340	1992	1,439	1995	1,197		
1990	1,466	1993	1,558	1996	1,432		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic
		Imports	Imports	Coastwise Receipts
Total, all commodities	1,599	701	31	867
Total coal	925	608	---	317
1100 coal lignite	925	608	---	317
Total petroleum and petroleum products	674	93	31	550
Subtotal petroleum products	674	93	31	550
2330 distillate fuel oil	135	---	---	135
2340 residual fuel oil	539	93	31	415
Total all manufactured equipment, machinery and products	0	---	---	0
7900 manufac. prod. nec	0	---	---	0

PORT OF BOSTON, MA

Section Included: Boston Harbor, including all the tidewater lying within a line from Point Allerton to Point Shirley, and extending westward to the mainland, comprising an area of approximately 47 square miles. Controlling Depth: Main Ship Channel to opposite Pier 49, 36.1 feet. Other channels range from 15 to 40 feet. President Roads Anchorage, 38.1 feet. Project Depth: A channel 40 feet deep in general, but 45 feet through rock 900 feet wide, widening at the outer end to 1,100 feet from the sea to President Roads, through Broad Sound. Other channels range from 12 to 40 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	20,641	1991	18,562	1994	18,870	1997	20,893
1989	18,989	1992	19,208	1995	16,744		
1990	21,902	1993	19,448	1996	20,104		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports*	Exports*	Imports*	Exports	Total	Coastwise		
							Receipts	Shipments	
Total, all commodities	20,893	6,751	668	3,567	4	9,904	6,445	1,660	1,799
Total petroleum and petroleum products	16,418	5,722	2	3,282	1	7,411	5,546	868	998
Subtotal crude petroleum	4	—	—	—	—	4	4	—	—
2100 crude petroleum	4	—	—	—	—	4	4	—	—
Subtotal petroleum products	16,414	5,722	2	3,282	1	7,407	5,542	868	998
2211 gasoline	6,265	885	—	1,820	—	3,560	3,218	65	277
2221 kerosene	510	207	—	76	—	228	132	48	48
2330 distillate fuel oil	5,808	2,386	—	1,272	—	2,150	1,249	417	484
2340 residual fuel oil	2,235	846	0	114	—	1,275	795	316	164
2350 lube oil & greases	2	0	2	—	—	1	—	—	1
2410 petro. jelly & waxes	0	0	—	—	—	—	—	—	—
2429 naphtha & solvents	81	40	—	—	—	41	17	—	23
2430 asphalt, tar & pitch	155	—	—	—	1	154	131	23	—
2640 liquid natural gas	1,359	1,359	—	—	—	—	—	—	—
Total chemicals and related products	151	48	23	0	1	78	58	20	—
Subtotal fertilizers	0	0	0	—	—	0	0	—	—
3110 nitrogenous fert.	0	0	—	—	—	—	—	—	—
3130 potassic fert.	0	—	—	—	—	0	0	—	—
3190 fert. & mixes nec	0	0	0	—	—	—	—	—	—
Subtotal other chemicals and related products	150	48	23	0	1	78	58	20	—
3211 acyclic hydrocarbons	0	0	0	—	—	—	—	—	—
3212 benzene & toluene	1	—	0	—	1	—	—	—	—
3219 other hydrocarbons	0	0	0	—	—	—	—	—	—
3220 alcohols	0	0	0	—	—	—	—	—	—
3230 carboxylic acids	3	0	3	—	—	0	—	0	—
3240 nitrogen func. comp.	1	1	0	0	—	—	—	—	—
3250 organo-inorganic comp.	1	1	0	—	—	—	—	—	—
3260 organic comp. nec	2	0	0	—	0	1	—	1	—
3274 sodium hydroxide	9	8	0	—	—	0	0	0	—
3275 inorg. elem., oxides, & halogen salts	10	8	2	0	—	0	—	0	—
3276 metallic salts	41	2	1	0	—	38	38	—	—
3279 inorganic chem. nec	2	2	0	—	—	—	—	—	—
3281 radioactive material	0	0	0	—	—	—	—	—	—
3282 pigments & paints	7	2	5	0	—	0	—	0	—
3283 coloring mat. nec	6	5	1	0	—	0	—	0	—
3284 medicines	0	0	0	0	—	0	—	0	—
3285 perfumes & cleansers	8	3	2	0	—	3	0	3	—
3286 plastics	20	12	7	0	—	1	0	1	—
3291 pesticides	1	0	1	—	—	—	—	—	—
3292 starches, gluten, glue	5	1	0	—	—	4	0	3	—
3293 explosives	0	—	—	—	—	0	—	0	—
3297 chemical additives	26	0	1	—	—	25	20	5	—
3298 wood & resin chem.	0	—	0	—	—	—	—	—	—
3299 chem. products nec	8	2	0	0	—	6	0	6	—

PORT OF BOSTON, MA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports*	Exports*	Imports*	Exports	Total	Coastwise		
							Receipts	Shipments	
Total crude materials, inedible except fuels	1,454	361	565	265	0	262	0	262	---
Subtotal forest products, wood and chips	25	3	21	0	---	0	0	0	---
4110 rubber & gums	0	---	0	---	---	---	---	---	---
4170 wood in the rough	1	---	1	---	---	---	---	---	---
4189 lumber	21	1	20	0	---	0	0	0	---
4190 forest products nec	2	2	0	---	---	0	---	0	---
Subtotal pulp and waste paper	33	5	27	---	---	1	0	1	---
4225 pulp & waste paper	33	5	27	---	---	1	0	1	---
Subtotal soil, sand, gravel, rock and stone	218	17	16	184	---	0	0	---	---
4310 building stone	0	0	0	---	---	0	0	---	---
4323 gypsum	209	17	8	184	---	---	---	---	---
4331 sand & gravel	8	0	8	---	---	---	---	---	---
Subtotal iron ore and scrap	759	---	498	---	---	261	---	261	---
4420 iron & steel scrap	759	---	498	---	---	261	---	261	---
Subtotal non-ferrous ores and scrap	2	1	2	0	---	0	0	0	---
4650 aluminum ore	1	0	0	0	---	---	---	---	---
4680 non-ferrous scrap	2	0	1	---	---	---	---	---	---
4690 non-ferrous ores nec	0	---	0	---	---	0	0	0	---
Subtotal sulphur, clay and salt	1	0	1	---	---	---	---	---	---
4782 clay & refrac. mat.	1	0	1	---	---	---	---	---	---
Subtotal other non-metal. min.	416	334	1	80	0	0	---	0	---
4900 non-metal. min. nec	416	334	1	80	0	0	---	0	---
Total primary manufactured goods	742	132	22	12	0	575	537	28	10
Subtotal paper products	57	35	13	0	0	9	2	7	---
5110 newsprint	1	---	0	---	---	1	---	1	---
5120 paper & paperboard	50	33	11	0	0	6	1	4	---
5190 paper products nec	6	1	2	0	0	3	1	2	---
Subtotal lime, cement and glass	622	48	2	11	---	561	533	18	10
5220 cement & concrete	564	12	---	10	---	542	532	---	10
5240 glass & glass prod.	22	5	1	0	---	15	0	15	---
5290 misc. mineral prod.	35	30	1	0	---	4	1	3	---
Subtotal primary iron and steel products	21	18	1	0	---	2	1	1	---
5320 i&s primary forms	2	1	---	0	---	1	1	1	---
5330 i&s plates & sheets	9	8	0	0	---	0	---	0	---
5360 i&s bars & shapes	7	6	0	0	---	1	0	0	---
5370 i&s pipe & tube	0	0	0	0	---	---	---	---	---
5390 primary i&s nec	3	2	1	---	---	0	0	---	---
Subtotal primary non-ferrous metal products	40	30	6	1	---	3	1	2	---
5421 copper	13	10	2	0	---	1	0	1	---
5422 aluminum	3	2	0	0	---	1	0	1	---
5429 smelted prod. nec	3	3	0	0	---	0	---	0	---
5480 fab. metal products	21	14	3	1	---	2	1	1	---
Subtotal primary wood products	2	2	0	---	---	0	---	0	---
5540 primary wood prod.	2	2	0	---	---	0	---	0	---
Total food and farm products	486	316	20	3	1	147	41	105	0
Subtotal fish	74	68	3	1	1	0	0	0	---
6134 fish (not shellfish)	71	67	2	1	1	0	0	0	---
6136 shellfish	3	1	1	1	---	0	0	0	---
Subtotal grain	1	1	0	---	---	---	---	---	---
6344 corn	0	---	0	---	---	---	---	---	---
6442 rice	1	1	---	---	---	---	---	---	---
6443 barley & rye	0	0	---	---	---	---	---	---	---

PORT OF BOSTON, MA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports*	Exports*	Imports*	Exports	Total	Coastwise		
							Receipts	Shipments	
Subtotal oilseeds	1	0	1	---	---	0	---	0	---
6521 peanuts	1	---	1	---	---	0	---	0	---
6590 oilseeds nec	0	0	---	---	---	---	---	---	---
Subtotal vegetable products	86	74	3	0	---	8	0	8	---
6653 vegetable oils	74	72	0	0	---	2	0	2	---
6654 vegetables & prod.	11	2	3	0	---	6	0	6	---
Subtotal	24	8	2	0	---	14	0	14	---
processed grain and animal feed									
6746 wheat flour	0	0	0	---	---	---	---	---	---
6747 grain mill products	20	5	1	0	---	14	0	14	---
6782 animal feed, prep.	4	2	1	---	---	0	---	0	---
Subtotal other agricultural products	301	165	11	1	---	124	41	83	0
6811 meat, fresh, frozen	4	0	3	---	---	0	---	0	---
6817 meat, prepared	0	0	0	---	---	---	---	---	---
6822 dairy products	5	1	0	0	---	4	---	4	---
6835 fish, prepared	2	1	0	---	---	1	---	1	---
6838 tallow, animal oils	0	0	0	---	---	---	---	---	---
6839 animals & prod. nec	3	1	2	---	---	---	---	---	---
6857 fruit & nuts nec	5	---	0	---	---	5	---	5	---
6858 fruit juices	5	4	0	0	---	0	---	0	---
6871 coffee	3	2	0	---	---	1	---	1	---
6872 cocoa beans	12	1	---	---	---	11	---	11	---
6885 alcoholic beverages	229	132	1	1	---	95	40	55	---
6887 groceries	0	---	---	---	---	0	---	---	0
6888 water & ice	17	13	---	---	---	4	1	3	---
6889 food products nec	13	7	2	---	---	4	0	4	---
6891 tobacco & products	1	0	0	---	---	0	---	0	---
6893 cotton	1	---	1	---	---	---	---	---	---
6894 natural fibers nec	0	0	---	---	---	---	---	---	---
6899 farm products nec	2	1	0	---	---	1	---	1	---
Total all manufactured equipment, machinery and products	847	169	35	4	0	640	263	376	1
7110 machinery (not elec)	34	24	5	0	---	6	1	4	---
7120 electrical machinery	30	16	3	3	---	7	2	5	---
7210 vehicles & parts	93	79	12	0	---	2	1	1	---
7220 aircraft & parts	1	0	0	---	---	1	---	1	---
7230 ships & boats	0	0	0	---	---	0	0	---	---
7300 ordnance & access.	0	0	0	---	---	0	---	0	---
7400 manufac. wood prod.	2	1	1	0	---	0	0	0	---
7500 textile products	18	12	4	0	---	1	0	1	0
7600 rubber & plastic pr.	15	9	4	0	---	2	1	1	---
7900 manufac. prod. nec	655	27	7	0	0	621	258	362	1
Total waste and scrap nec	791	---	---	---	---	791	---	---	791
8900 waste and scrap nec	791	---	---	---	---	791	---	---	791
Total unknown or not elsewhere classified	3	2	1	0	---	0	0	0	---
9900 unknown or nec	3	2	1	0	---	0	0	0	---

*Includes 17 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits; Includes 0 (x1000) tons of Canadian inbound in-transits.

MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)

Section Included: From a point in President Roads between Deer Island and Long Island to the mouths of Ft. Point Channel, Charles River, Reserved Channel, Mystic River, and Chelsea River. Controlling Depth: 36.1 feet in 40-foot channel to opposite pier no. 49, 34.1 feet in the 35-foot area and 37.3 feet in the President Roads Anchorage: 33.2 feet in the 35 foot channel and 35 feet in waterfront channel; and 30 in Reserved Channel. All at mean low water. Project Depth: 35 and 40 feet from President Roads to the mouth of Ft. Point Channels, Charles River, Reserved Channel, and Chelsea River: 40 feet in President Roads Anchorage and Anchorage Extensions: 35 feet from mouth of reserved channel to L Street Bridge. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	19,030	1991	16,656	1994	17,040	1997	18,394
1989	17,494	1992	17,462	1995	14,448		
1990	20,007	1993	18,009	1996	17,777		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total*	Foreign		Canadian
		Imports*	Exports*	Imports*
Total, all commodities	6,256	3,652	306	2,299
Total petroleum and petroleum products	4,765	2,737	1	2,028
Subtotal petroleum products	4,765	2,737	1	2,028
2211 gasoline	1,393	262	—	1,131
2221 kerosene	193	136	—	57
2330 distillate fuel oil	2,085	1,306	—	779
2340 residual fuel oil	491	430	0	60
2350 lube oil & greases	1	0	1	—
2410 petro. jelly & waxes	0	0	—	—
2640 liquid natural gas	603	603	—	—
Total chemicals and related products	61	40	21	0
Subtotal fertilizers	0	0	0	—
3110 nitrogenous fert.	0	0	—	—
3190 fert. & mixes nec	0	0	0	—
Subtotal other chemicals and related products	61	40	20	0
3211 acyclic hydrocarbons	0	0	0	—
3212 benzene & toluene	0	—	0	—
3219 other hydrocarbons	0	0	0	—
3220 alcohols	0	0	0	—
3230 carboxylic acids	3	0	3	—
3240 nitrogen func. comp.	1	1	0	0
3250 organo-inorganic comp.	1	1	0	—
3260 organic comp. nec	0	0	0	—
3274 sodium hydroxide	1	1	0	—
3275 inorg. elem. oxides, & halogen salts	10	8	2	0
3276 metallic salts	3	2	1	0
3279 inorganic chem. nec	2	2	0	—
3281 radioactive material	7	0	0	—
3282 pigments & paints	7	2	5	0
3283 coloring mat. nec	6	5	1	0
3284 medicines	0	0	0	0
3285 perfumes & cleansers	5	3	2	0
3286 plastics	18	12	5	0
3291 pesticides	1	0	1	—
3292 starches, gluten, glue	1	1	0	—
3297 chemical additives	1	0	1	—
3298 wood & resin chem.	0	—	0	—
3299 chem. products nec	2	2	0	0
Total crude materials, inedible except fuels	803	325	213	265
Subtotal forest products, wood and chips	24	3	20	0
4110 rubber & gums	0	—	0	—
4170 wood in the rough	1	—	1	—
4189 lumber	21	1	19	0
4190 forest products nec	2	2	0	—
Subtotal pulp and waste paper	31	5	26	—
4225 pulp & waste paper	31	5	26	—
Subtotal soil, sand, gravel, rock and stone	218	17	16	184
4310 building stone	0	0	0	—
4323 gypsum	209	17	8	184
4331 sand & gravel	8	0	8	—
Subtotal iron ore and scrap	147	—	147	—
4420 iron & steel scrap	147	—	147	—
Subtotal non-ferrous ores and scrap	2	1	2	0
4650 aluminum ore	1	0	0	0
4680 non-ferrous scrap	2	0	1	—
4690 non-ferrous ores nec	0	—	0	—
Subtotal sulphur, clay and salt	1	0	1	—
4782 clay & refrac. mat.	1	0	1	—
Subtotal other non-metal. min.	379	298	1	80
4900 non-metal. min. nec	379	298	1	80
Total primary manufactured goods	154	132	20	2
Subtotal paper products	46	35	11	0
5110 newsprint	0	—	0	—
5120 paper & paperboard	43	33	10	0
5190 paper products nec	3	1	1	0
Subtotal lime, cement and glass	51	48	2	0
5220 cement & concrete	12	12	—	—
5240 glass & glass prod.	7	5	1	0
5290 misc. mineral prod.	31	30	1	0

MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian
		Imports*	Exports*	Imports*
Subtotal primary iron and steel products	19	18	1	0
5320 i&s primary forms	1	1	—	0
5330 i&s plates & sheets	9	8	0	0
5360 i&s bars & shapes	6	6	0	0
5370 i&s pipe & tube	0	0	0	0
5390 primary i&s nec	3	2	1	—
Subtotal primary non-ferrous metal products	36	30	5	1
5421 copper	12	10	1	0
5422 aluminum	3	2	0	0
5429 smelted prod. nec	3	3	0	0
5480 fab. metal products	18	14	3	1
Subtotal primary wood products	2	2	0	—
5540 primary wood prod.	2	2	0	—
Total food and farm products	268	248	17	3
Subtotal fish	41	38	2	1
6134 fish (not shellfish)	39	37	2	1
6136 shellfish	2	1	1	1
Subtotal grain	1	1	0	—
6344 corn	0	—	0	—
6442 rice	1	1	—	—
6443 barley & rye	0	0	—	—
Subtotal oilseeds	1	0	1	—
6521 peanuts	1	—	1	—
6590 oilseeds nec	0	0	—	—
Subtotal vegetable products	41	39	2	0
6653 vegetable oils	37	36	0	0
6654 vegetables & prod.	5	2	2	0
Subtotal processed grain and animal feed	9	8	2	0
6746 wheat flour	0	0	0	—
6747 grain mill products	6	5	1	0
6782 animal feed, prep.	3	2	1	—
Subtotal other agricultural products	175	164	10	1
6811 meat, fresh, frozen	4	0	3	—
6817 meat, prepared	0	0	0	—
6822 dairy products	1	1	0	0
6835 fish, prepared	1	1	0	—
6838 tallow, animal oils	0	0	—	—
6839 animals & prod. nec	3	1	2	—
6857 fruit & nuts nec	0	—	0	—
6858 fruit juices	4	4	0	0
6871 coffee	2	2	0	—
6872 cocoa beans	1	1	—	—
6885 alcoholic beverages	134	132	1	1
6888 water & ice	13	13	—	—
6889 food products nec	9	7	2	—
6891 tobacco & products	0	0	0	—
6893 cotton	1	—	1	—
6894 natural fibers nec	0	0	—	—
6899 farm products nec	1	1	0	—
Total all manufactured equipment, machinery and products	202	168	32	1
7110 machinery (not elec)	28	23	5	0
7120 electrical machinery	19	16	3	0
7210 vehicles & parts	91	79	11	0
7220 aircraft & parts	0	0	0	—
7230 ships & boats	0	0	0	—
7300 ordnance & access.	0	0	0	—
7400 manufac. wood prod.	2	1	1	0
7500 textile products	16	12	3	0
7600 rubber & plastic pr.	13	9	3	0
7900 manufac. prod. nec	33	27	6	0
Total unknown or not elsewhere classified	3	2	1	0
9900 unknown or nec	3	2	1	0
Ton-miles (x1000) Foreign & Canadian	6,256	3,652	306	2,299

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	1,692	1,394	298
Total petroleum and petroleum products	1,422	1,320	102
Subtotal petroleum products	1,422	1,320	102
2211 gasoline	1,079	1,079	—
2330 distillate fuel oil	168	111	57
2340 residual fuel oil	174	129	44
Total chemicals and related products	34	19	15
Subtotal fertilizers	0	0	—
3130 potassic fert.	0	0	—
Subtotal other chemicals and related products	34	19	15
3230 carboxylic acids	0	—	0
3260 organic comp. nec	1	—	1
3274 sodium hydroxide	0	0	0
3275 inorg. elem., oxides, & halogen salts	0	—	0
3276 metallic salts	19	19	—
3282 pigments & paints	0	—	0
3283 coloring mat. nec	0	—	0

MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
3284 medicines	0	—	0
3285 perfumes & cleansers	3	0	3
3286 plastics	1	0	1
3292 starches, gluten, glue	4	0	3
3293 explosives	0	—	0
3299 chem. products nec	6	0	6
Total crude materials, inedible except fuels	2	0	1
Subtotal forest products, wood and chips	0	0	0
4189 lumber	0	0	0
4190 forest products nec	0	—	0
Subtotal pulp and waste paper	1	0	1
4225 pulp & waste paper	1	0	1
Subtotal soil, sand, gravel, rock and stone	0	0	—
4310 building stone	0	0	—
Subtotal iron ore and scrap	0	—	0
4420 iron & steel scrap	0	—	0
Subtotal non-ferrous ores and scrap	0	0	0
4690 non-ferrous ores nec	0	0	0
Subtotal other non-metal. min.	0	—	0
4900 non-metal. min. nec	0	—	0
Total primary manufactured goods	32	4	28
Subtotal paper products	9	2	7
5110 newsprint	1	—	1
5120 paper & paperboard	6	1	4
5190 paper products nec	3	1	2
Subtotal lime, cement and glass	19	1	18
5240 glass & glass prod.	15	0	15
5290 misc. mineral prod.	4	1	3
Subtotal primary iron and steel products	2	1	1
5320 i&s primary forms	1	1	1
5330 i&s plates & sheets	0	—	0
5360 i&s bars & shapes	1	0	0
5390 primary i&s nec	0	0	—
Subtotal primary non-ferrous metal products	2	0	2
5421 copper	1	0	1
5422 aluminum	1	0	1
5429 smelted prod. nec	0	—	0
5480 fab. metal products	1	0	1
Subtotal primary wood products	0	—	0
5540 primary wood prod.	0	—	0
Total food and farm products	147	41	105
Subtotal fish	0	0	0
6134 fish (not shellfish)	0	0	0
6136 shellfish	0	0	0
Subtotal oilseeds	0	—	0
6521 peanuts	0	—	0
Subtotal vegetable products	8	0	8
6653 vegetable oils	2	0	2
6654 vegetables & prod.	6	0	6
Subtotal processed grain and animal feed	14	0	14
6747 grain mill products	14	0	14
6782 animal feed, prep.	0	—	0
Subtotal other agricultural products	124	41	83
6811 meat, fresh, frozen	0	—	0
6822 dairy products	4	—	4
6857 fruit & nuts nec	5	—	5
6858 fruit juices	0	—	0
6871 coffee	1	—	1
6872 cocoa beans	11	—	11
6885 alcoholic beverages	95	40	55
6888 water & ice	4	1	3
6889 food products nec	4	0	4
6891 tobacco & products	0	—	0
6899 farm products nec	1	—	1
Total all manufactured equipment, machinery and products	56	9	48
7110 machinery (not elec)	6	1	4
7120 electrical machinery	7	2	5
7210 vehicles & parts	2	1	1
7220 aircraft & parts	1	—	1
7230 ships & boats	0	0	—
7300 ordnance & access.	0	—	0
7400 manufac. wood prod.	0	0	0
7500 textile products	1	0	1
7600 rubber & plastic pr.	2	1	1
7900 manufac. prod. nec	37	4	33
Total unknown or not elsewhere classified	0	0	0
9900 unknown or nec	0	0	0
Ton-miles (x1000)	1,852	1,553	298
Coastwise			

MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	143	19	26	62	31	4	2
Total petroleum and petroleum products	142	19	26	61	31	4	2
Subtotal petroleum products	142	19	26	61	31	4	2
2211 gasoline	22	6	—	16	—	—	—
2330 distillate fuel oil	60	7	10	17	25	0	1
2340 residual fuel oil	59	5	16	28	5	4	0
2350 lube oil & greases	1	—	—	0	0	—	0
Total food and farm products	0	—	—	—	0	0	—
Subtotal other agricultural products	0	—	—	—	0	0	—
6887 groceries	0	—	—	—	0	0	—
Total all manufactured equipment, machinery and products	1	0	—	0	0	0	0
7500 textile products	0	—	—	—	—	—	0
7900 manufac. prod. nec	1	0	—	0	0	0	0
Total waste and scrap nec	0	—	—	—	—	—	0
8900 waste and scrap nec	0	—	—	—	—	—	0
Ton-miles (x1000)	422	19	92	271	32	6	3
Internal							
Tons All Traffic (x1000)	18,394						
Ton-miles All Traffic (x1000)	64,386						

*Does not include 10,303 (x1000) tons of through traffic

*Includes 2 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits;
Includes 0 (x1000) tons of Canadian inbound in-transits.

CHELSEA RIVER, MA (INCLUDED IN PORT OF BOSTON)

Section Included: From mouth to about 1.6 miles upstream. Controlling Depth at Mid-Channel: From McArdle Bridge to Chelsea Street Bridge 29.6 feet; from Chelsea Street Bridge to turning basin 33.6 feet. Project Depth: 35 feet at mean low water from the mouth of the river to upstream limit.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	9,047	1991	9,199	1994	8,013	1997	6,090
1989	7,889	1992	8,821	1995	6,995		
1990	7,913	1993	8,276	1996	6,583		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	2,384	1,648	6	728	2
Total petroleum and petroleum products	2,355	1,625	1	728	1
Subtotal petroleum products	2,355	1,625	1	728	1
2211 gasoline	745	397	—	347	—
2221 kerosene	65	54	—	11	—
2330 distillate fuel oil	1,101	736	—	365	—
2340 residual fuel oil	251	246	—	5	—
2350 lube oil & greases	1	—	1	—	—
2429 naphtha & solvents	40	40	—	—	—
2430 asphalt, tar & pitch	1	—	—	—	1
2640 liquid natural gas	151	151	—	—	—
Total chemicals and related products	3	—	2	—	1
Subtotal other chemicals and related products	3	—	2	—	1
3212 benzene & toluene	1	—	—	—	1
3230 carboxylic acids	0	—	0	—	—
3260 organic comp. nec	0	—	0	—	0
3274 sodium hydroxide	0	—	0	—	—
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—
3276 metallic salts	0	—	0	—	—
3282 pigments & paints	0	—	0	—	—
3285 perfumes & cleansers	0	—	0	—	—
3286 plastics	2	—	2	—	—
3291 pesticides	0	—	0	—	—
3297 chemical additives	0	—	0	—	—
Total crude materials, inedible except fuels	23	23	0	—	—
Subtotal non-ferrous ores and scrap	0	—	0	—	—
4650 aluminum ore	0	—	0	—	—
Subtotal other non-metal. min.	23	23	0	—	—
4900 non-metal. min. nec	23	23	0	—	—

CHELSEA RIVER, MA (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total primary manufactured goods	1	---	1	---	---
Subtotal paper products	1	---	1	---	---
5120 paper & paperboard	1	---	1	---	---
5190 paper products nec	0	---	0	---	---
Subtotal lime, cement and glass	0	---	0	---	---
5240 glass & glass prod.	0	---	0	---	---
5290 misc. mineral prod.	0	---	0	---	---
Subtotal primary non-ferrous metal products	0	---	0	---	---
5422 aluminum	0	---	0	---	---
5480 fab. metal products	0	---	0	---	---
Total food and farm products	1	---	1	---	---
Subtotal vegetable products	0	---	0	---	---
6654 vegetables & prod.	0	---	0	---	---
Subtotal processed grain and animal feed	0	---	0	---	---
6747 grain mill products	0	---	0	---	---
6782 animal feed, prep.	0	---	0	---	---
Subtotal other agricultural products	0	---	0	---	---
6811 meat, fresh, frozen	0	---	0	---	---
6838 tallow, animal oils	0	---	0	---	---
6857 fruit & nuts nec	0	---	0	---	---
6858 fruit juices	0	---	0	---	---
6885 alcoholic beverages	0	---	0	---	---
6889 food products nec	0	---	0	---	---
6891 tobacco & products	0	---	0	---	---
6893 cotton	0	---	0	---	---
Total all manufactured equipment, machinery and products	2	---	2	---	---
7110 machinery (not elec)	0	---	0	---	---
7120 electrical machinery	0	---	0	---	---
7210 vehicles & parts	0	---	0	---	---
7500 textile products	1	---	1	---	---
7600 rubber & plastic pr.	1	---	1	---	---
7900 manufac. prod. nec	0	---	0	---	---
Total unknown or not elsewhere classified	0	---	0	---	---
9900 unknown or nec	0	---	0	---	---
Ton-miles (x1000) Foreign & Canadian	7,153	4,944	18	2,184	7

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	3,705	2,890	253	388	83	69	21
Total petroleum and petroleum products	3,686	2,871	253	388	83	69	21
Subtotal crude petroleum	4	4	---	---	---	---	---
2100 crude petroleum	4	4	---	---	---	---	---
Subtotal petroleum products	3,681	2,867	253	388	83	69	21
2211 gasoline	1,893	1,718	---	154	3	9	8
2221 kerosene	96	79	4	4	7	2	---
2330 distillate fuel oil	957	585	144	109	51	57	12
2340 residual fuel oil	561	336	104	98	22	1	1
2350 lube oil & greases	0	---	---	0	---	---	---
2429 naphtha & solvents	41	17	---	23	---	---	---
2430 asphalt, tar & pitch	134	131	2	---	---	---	---
Total chemicals and related products	20	20	---	---	---	---	---
Subtotal other chemicals and related products	20	20	---	---	---	---	---
3297 chemical additives	20	20	---	---	---	---	---
Total all manufactured equipment, machinery and products	0	---	---	0	---	---	---
7900 manufac. prod. nec	0	---	---	0	---	---	---
Ton-miles (x1000) Domestic	8,516	6,616	619	973	218	69	21
Tons All Traffic (x1000)	6,090						
Ton-miles All Traffic (x1000)	15,669						

MYSTIC RIVER, MA (INCLUDED IN PORT OF BOSTON)

Section Included: From mouth of river to Boston Edison Facility, thence upstream about 800 feet. Controlling Depth: From Mystic Bridge to upstream end of Revere Sugar Refinery Dock 34.0 feet; from Revere Sugar Refinery Dock to upstream limit of 35 foot channel, 33.7 feet in maintained portion: 13 feet in 20-foot channel. Project Depth: Channel 35 feet deep extending from the upper limit in 35-foot channel of Boston Harbor to 300 feet downstream of Malden Bridge; thence 20 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	3,270	1991	3,850	1994	4,538	1997	4,396
1989	3,649	1992	5,069	1995	3,517		
1990	4,783	1993	5,581	1996	3,954		

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	2,123	1,258	354	510	1
Total petroleum and petroleum products	1,721	1,224	—	496	—
Subtotal petroleum products	1,721	1,224	—	496	—
2211 gasoline	491	156	—	336	—
2221 kerosene	25	17	—	8	—
2330 distillate fuel oil	382	278	—	104	—
2340 residual fuel oil	218	170	—	49	—
2640 liquid natural gas	605	605	—	—	—
Total chemicals and related products	0	0	0	0	—
Subtotal other chemicals and related products	0	0	0	0	—
3279 inorganic chem. nec	0	0	—	—	—
3284 medicines	0	—	0	—	—
3285 perfumes & cleansers	0	0	0	—	—
3286 plastics	0	0	0	—	—
3297 chemical additives	0	—	0	—	—
3299 chem. products nec	0	—	—	0	—
Total crude materials, inedible except fuels	351	0	351	—	0
Subtotal forest products, wood and chips	0	—	0	—	—
4189 lumber	0	—	0	—	—
4190 forest products nec	0	—	0	—	—
Subtotal pulp and waste paper	0	0	—	—	—
4225 pulp & waste paper	0	0	—	—	—
Subtotal iron ore and scrap	351	—	351	—	—
4420 iron & steel scrap	351	—	351	—	—
Subtotal non-ferrous ores and scrap	0	—	0	—	—
4680 non-ferrous scrap	0	—	0	—	—
Subtotal other non-metal. min.	0	—	—	—	0
4900 non-metal. min. nec	0	—	—	—	0
Total primary manufactured goods	12	0	1	10	0
Subtotal paper products	1	0	1	—	0
5120 paper & paperboard	1	0	0	—	0
5190 paper products nec	1	—	0	—	0
Subtotal lime, cement and glass	10	0	0	10	—
5220 cement & concrete	10	—	—	10	—
5240 glass & glass prod.	0	0	0	—	—
5290 misc. mineral prod.	0	0	0	0	—
Subtotal primary iron and steel products	0	0	0	—	—
5360 i&s bars & shapes	0	0	0	—	—
Subtotal primary non-ferrous metal products	0	0	0	—	—
5422 aluminum	0	—	0	—	—
5429 smelted prod. nec	0	0	—	—	—
5480 fab. metal products	0	0	0	—	—
Total food and farm products	35	32	2	0	1
Subtotal fish	32	31	1	0	1
6134 fish (not shellfish)	32	30	1	0	1
6136 shellfish	0	0	0	0	—
Subtotal grain	0	—	0	—	—
6344 corn	0	—	0	—	—
Subtotal vegetable products	1	—	1	—	—
6653 vegetable oils	0	—	0	—	—
6654 vegetables & prod.	1	—	1	—	—
Subtotal processed grain and animal feed	0	0	0	—	—
6746 wheat flour	0	0	—	—	—
6747 grain mill products	0	0	0	—	—
Subtotal other agricultural products	2	2	0	0	—
6811 meat, fresh, frozen	0	0	—	—	—
6822 dairy products	0	—	0	—	—
6835 fish, prepared	1	1	0	—	—
6839 animals & prod. nec	0	0	—	—	—
6858 fruit juices	0	—	0	0	—
6885 alcoholic beverages	0	0	—	—	—
6888 water & ice	1	1	—	—	—
6889 food products nec	0	0	0	—	—
6899 farm products nec	0	0	—	—	—
Total all manufactured equipment, machinery and products	4	0	0	3	0
7110 machinery (not elec)	0	0	0	—	—
7120 electrical machinery	3	0	0	3	—
7210 vehicles & parts	0	0	0	—	—

MYSTIC RIVER, MA (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
7230 ships & boats	0	0	0	—	—
7400 manufac. wood prod.	0	—	0	—	—
7500 textile products	0	0	0	—	—
7600 rubber & plastic pr.	0	0	0	—	—
7900 manufac. prod. nec	0	0	0	0	0
Total unknown or not elsewhere classified	0	0	0	0	—
9900 unknown or nec	0	0	0	0	—
Ton-miles (x1000) Foreign & Canadian	2,123	1,258	354	510	1

Commodity	Total*	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total, all commodities	2,109	1,433	600	67	10
Total petroleum and petroleum products	748	671	11	66	—
Subtotal petroleum products	748	671	11	66	—
2211 gasoline	219	187	—	33	—
2221 kerosene	6	1	—	5	—
2330 distillate fuel oil	272	241	7	23	—
2340 residual fuel oil	250	241	4	5	—
2350 lube oil & greases	0	—	—	0	—
Total crude materials, inedible except fuels	260	—	260	—	—
Subtotal iron ore and scrap	260	—	260	—	—
4420 iron & steel scrap	260	—	260	—	—
Total primary manufactured goods	518	508	0	—	10
Subtotal lime, cement and glass	516	507	—	—	10
5220 cement & concrete	516	507	—	—	10
Subtotal primary non-ferrous metal products	1	1	0	—	—
5480 fab. metal products	1	1	0	—	—
Total all manufactured equipment, machinery and products	583	254	329	0	—
7900 manufac. prod. nec	583	254	329	0	—
Ton-miles (x1000) Domestic	2,109	1,433	600	67	10

Tons All Traffic (x1000) 4,396
Ton-miles All Traffic (x1000) 4,396

*Does not include 164 (x1000) tons of through traffic

*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits.

WEYMOUTH FORE RIVER, MA (INCLUDED IN PORT OF BOSTON)

Section Included: From mouth to head of navigation. Controlling Depth: 34 feet in the 35-foot channel except 32.3 feet at siphon opposite King Cove, original siphon has been replaced. New siphon is below project depth. Project Depth: 35 feet from deep water in Boston Harbor via Nantucket Gut and Hingham Bay to a point about 2,500 feet above Fore River Bridge: 27 feet in channel between Nut and Peddocks Islands.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,495	1991	1,391	1994	1,606	1997	1,990
1989	1,457	1992	1,153	1995	1,834		
1990	1,496	1993	1,154	1996	1,948		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total*	Foreign		Canadian
		Imports*	Exports	Imports
Total, all commodities	226	193	2	30
Total petroleum and petroleum products	167	136	—	30
Subtotal petroleum products	167	136	—	30
2211 gasoline	77	71	—	6
2330 distillate fuel oil	90	66	—	24
Total chemicals and related products	8	8	0	—
Subtotal other chemicals and related products	8	8	0	—
3230 carboxylic acids	0	—	0	—
3250 organo-inorganic comp.	0	—	0	—
3260 organic comp. nec	0	—	0	—

WEYMOUTH FORE RIVER, MA (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian
		Imports*	Exports	Imports
3274 sodium hydroxide	8	8	—	—
3275 inorg. elem., oxides, & halogen salts	0	—	0	—
3286 plastics	0	—	0	—
3297 chemical additives	0	—	0	—
Total crude materials, inedible except fuels	14	13	1	—
Subtotal forest products, wood and chips	0	—	0	—
4189 lumber	0	—	0	—
Subtotal pulp and waste paper	0	—	0	—
4225 pulp & waste paper	0	—	0	—
Subtotal other non-metal. min.	13	13	—	—
4900 non-metal. min. nec	13	13	—	—
Total primary manufactured goods	1	—	1	—
Subtotal paper products	0	—	0	—
5120 paper & paperboard	0	—	0	—
Subtotal lime, cement and glass	0	—	0	—
5290 misc. mineral prod.	0	—	0	—
Subtotal primary iron and steel products	0	—	0	—
5330 i&s plates & sheets	0	—	0	—
5390 primary i&s nec	0	—	0	—
Subtotal primary non-ferrous metal products	1	—	1	—
5421 copper	1	—	1	—
5480 fab. metal products	0	—	0	—
Total food and farm products	36	35	0	—
Subtotal vegetable products	35	35	—	—
6653 vegetable oils	35	35	—	—
Subtotal other agricultural products	0	—	0	—
6839 animals & prod. nec	0	—	0	—
6857 fruit & nuts nec	0	—	0	—
6858 fruit juices	0	—	0	—
6885 alcoholic beverages	0	—	0	—
Total all manufactured equipment, machinery and products	0	—	0	—
7110 machinery (not elec)	0	—	0	—
7120 electrical machinery	0	—	0	—
7210 vehicles & parts	0	—	0	—
7500 textile products	0	—	0	—
7600 rubber & plastic pr.	0	—	0	—
7900 manufac. prod. nec	0	—	0	—
Total unknown or not elsewhere classified	0	—	0	—
9900 unknown or nec	0	—	0	—
Ton-miles (x1000) Foreign & Canadian	1,806	1,545	19	241

Commodity	Total*	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Upbound	Outbound Downbnd
Total, all commodities	1,476	355	104	958	6	53
Total petroleum and petroleum products	685	355	104	198	6	22
Subtotal petroleum products	685	355	104	198	6	22
2211 gasoline	125	108	—	18	—	—
2221 kerosene	63	23	6	24	6	3
2330 distillate fuel oil	487	221	98	149	—	19
2340 residual fuel oil	10	3	—	7	—	—
Total food and farm products	0	—	—	0	—	—
Subtotal other agricultural products	0	—	—	0	—	—
6887 groceries	0	—	—	0	—	—
Total all manufactured equipment, machinery and products	0	—	—	0	—	—
7900 manufac. prod. nec	0	—	—	0	—	—
Total waste and scrap nec	791	—	—	760	—	31
8900 waste and scrap nec	791	—	—	760	—	31
Ton-miles (x1000) Domestic	11,551	2,838	826	7,562	6	318
Tons All Traffic (x1000)	1,990					
Ton-miles All Traffic (x1000)	15,377					

*Does not include 289 (x1000) tons of through traffic

*Includes 15 (x1000) tons of foreign inbound in-transits.

TOWN RIVER, MA (INCLUDED IN PORT OF BOSTON)

Section Included: From confluence with Weymouth Fore River, for about 1.5 miles to head of navigation. Controlling Depth: 32 feet in the 35 foot channel: 34.2 feet in the 35 foot turning basin; and 7.6 feet above turning basin. Project Depth: 35 feet at mean low water from Weymouth Fore River to Quincy Oil Company Terminal, with a turning basin of 35 feet depth; thence 15 feet to just below Quincy Light & Power Company Plant.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	31	1991	81	1994	133	1997	321
1989	64	1992	34	1995	199		
1990	55	1993	79	1996	269		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total, all commodities	321	125	44	129	23
Total petroleum and petroleum products	321	125	44	129	23
Subtotal petroleum products	321	125	44	129	23
2211 gasoline	53	19	4	28	3
2221 kerosene	97	27	38	13	19
2330 distillate fuel oil	119	32	2	84	1
2340 residual fuel oil	52	47	—	5	—
Ton-miles (x1000)	321	125	44	129	23

Tons All Traffic (x1000) 321
Ton-miles All Traffic (x1000) 321

CAPE COD CANAL, MA

Section Included: Entire length 17.4 miles: Extending from the outer end of the northerly breakwater in Cape Cod Bay to a point in Buzzards Bay near Cleveland Ledge about 5 miles southwest of Wings Neck Light. Controlling Depth: 32 feet in the Land Cut; 30.8 feet in Hog Island Channel; 32 feet in Cleveland Ledge Channel, 24.1 feet in East Mooring Basin and 29.4 feet in West Mooring Basin. Project Channel Depth: 32 feet at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	13,099	1991	12,126	1994	10,799	1997	11,033
1989	13,286	1992	11,326	1995	10,051		
1990	12,234	1993	12,035	1996	9,666		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Through		Total	Coastwise		Internal	
		Upbound	Downbnd		Through		Upbound	Downbnd
				Upbound	Downbnd	Upbound	Downbnd	
Total, all commodities	11,033	263	1,071	9,699	8,417	1,136	73	73
Total coal	493	—	—	493	493	—	—	—
1100 coal lignite	493	—	—	493	493	—	—	—
Total petroleum and petroleum products	8,472	161	962	7,349	7,011	339	—	—
Subtotal crude petroleum	4	—	—	4	4	—	—	—
2100 crude petroleum	4	—	—	4	4	—	—	—
Subtotal petroleum products	8,468	161	962	7,345	7,007	339	—	—
2211 gasoline	2,775	—	20	2,754	2,676	79	—	—
2221 kerosene	297	—	—	297	297	—	—	—
2330 distillate fuel oil	1,390	16	18	1,357	1,230	127	—	—
2340 residual fuel oil	3,511	108	837	2,566	2,464	102	—	—
2350 lube oil & greases	48	16	31	—	—	—	—	—
2429 naphtha & solvents	17	—	—	17	17	—	—	—
2430 asphalt, tar & pitch	407	20	47	340	310	30	—	—
2540 petroleum coke	23	—	9	13	13	—	—	—
Total chemicals and related products	76	—	—	76	56	20	—	—
Subtotal fertilizers	0	—	—	0	0	—	—	—
3130 potassic fert.	0	—	—	0	0	—	—	—
Subtotal other chemicals and related products	76	—	—	76	56	20	—	—
3230 carboxylic acids	0	—	—	0	—	0	—	—
3260 organic comp. nec	1	—	—	1	—	1	—	—
3274 sodium hydroxide	0	—	—	0	0	0	—	—
3275 inorg. elem. oxides, & halogen salts	0	—	—	0	—	0	—	—
3276 metallic salts	38	—	—	38	38	—	—	—
3282 pigments & paints	0	—	—	0	—	0	—	—

CAPE COD CANAL, MA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Total	Domestic			
		Through			Coastwise		Internal	
		Upbound	Downbnd		Upbound	Downbnd	Upbound	Downbnd
3283 coloring mat. nec	0	—	—	0	—	0	—	—
3284 medicines	0	—	—	0	—	0	—	—
3285 perfumes & cleansers	3	—	—	3	—	3	—	—
3286 plastics	1	—	—	1	0	1	—	—
3292 starches, gluten, glue	4	—	—	4	0	3	—	—
3293 explosives	0	—	—	0	—	0	—	—
3297 chemical additives	23	—	—	23	18	5	—	—
3299 chem. products nec	6	—	—	6	—	6	—	—
Total crude materials, inedible except fuels	305	63	16	226	7	219	—	—
Subtotal forest products, wood and chips	0	—	—	0	—	0	—	—
4189 lumber	0	—	—	0	—	0	—	—
4190 forest products nec	0	—	—	0	—	0	—	—
Subtotal pulp and waste paper	1	—	—	1	—	1	—	—
4225 pulp & waste paper	1	—	—	1	—	1	—	—
Subtotal soil, sand, gravel, rock and stone	16	—	16	0	0	—	—	—
4310 building stone	0	—	—	0	0	—	—	—
4323 gypsum	16	—	16	—	—	—	—	—
Subtotal iron ore and scrap	287	63	—	225	7	218	—	—
4420 iron & steel scrap	287	63	—	225	7	218	—	—
Subtotal non-ferrous ores and scrap	0	—	—	0	—	0	—	—
4690 non-ferrous ores nec	0	—	—	0	—	0	—	—
Subtotal other non-metal. min.	0	—	—	0	—	0	—	—
4900 non-metal. min. nec	0	—	—	0	—	0	—	—
Total primary manufactured goods	833	14	9	810	586	78	73	73
Subtotal paper products	19	2	9	8	1	7	—	—
5110 newsprint	1	—	—	1	—	1	—	—
5120 paper & paperboard	8	1	2	5	1	4	—	—
5190 paper products nec	11	1	7	2	0	2	—	—
Subtotal lime, cement and glass	809	12	—	797	583	67	73	73
5220 cement & concrete	789	12	—	777	582	49	73	73
5240 glass & glass prod.	15	—	—	15	0	15	—	—
5290 misc. mineral prod.	5	—	—	5	2	3	—	—
Subtotal primary iron and steel products	1	—	—	1	0	1	—	—
5320 i&s primary forms	1	—	—	1	0	1	—	—
5330 i&s plates & sheets	0	—	—	0	—	0	—	—
5360 i&s bars & shapes	1	—	—	1	0	0	—	—
5390 primary i&s nec	0	—	—	0	0	—	—	—
Subtotal primary non-ferrous metal products	3	—	—	3	1	2	—	—
5421 copper	1	—	—	1	—	1	—	—
5422 aluminum	1	—	—	1	—	1	—	—
5429 smelted prod. nec	0	—	—	0	—	0	—	—
5480 fab. metal products	2	—	—	2	1	1	—	—
Subtotal primary wood products	0	—	—	0	—	0	—	—
5540 primary wood prod.	0	—	—	0	—	0	—	—
Total food and farm products	115	—	0	114	9	105	—	—
Subtotal fish	1	—	0	0	0	0	—	—
6134 fish (not shellfish)	0	—	0	0	0	0	—	—
6136 shellfish	0	—	—	0	0	0	—	—
Subtotal oilseeds	0	—	—	0	—	0	—	—
6521 peanuts	0	—	—	0	—	0	—	—
Subtotal vegetable products	8	—	—	8	—	8	—	—
6653 vegetable oils	2	—	—	2	—	2	—	—
6654 vegetables & prod.	6	—	—	6	—	6	—	—
Subtotal processed grain and animal feed	14	—	—	14	0	14	—	—
6747 grain mill products	14	—	—	14	0	14	—	—
6782 animal feed, prep.	0	—	—	0	—	0	—	—
Subtotal other agricultural products	92	—	—	92	9	83	—	—
6811 meat, fresh, frozen	0	—	—	0	—	0	—	—
6822 dairy products	4	—	—	4	—	4	—	—
6857 fruit & nuts nec	5	—	—	5	—	5	—	—
6858 fruit juices	0	—	—	0	—	0	—	—
6871 coffee	1	—	—	1	—	1	—	—
6872 cocoa beans	11	—	—	11	—	11	—	—
6885 alcoholic beverages	63	—	—	63	8	55	—	—
6888 water & ice	4	—	—	4	1	3	—	—
6889 food products nec	4	—	—	4	0	4	—	—
6891 tobacco & products	0	—	—	0	—	0	—	—
6899 farm products nec	1	—	—	1	—	1	—	—
Total all manufactured equipment, machinery and products	738	25	83	630	255	375	—	—
7110 machinery (not elec)	5	—	—	5	0	4	—	—

CAPE COD CANAL, MA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign Through		Total	Domestic Coastwise Through		Internal Through	
		Upbound	Downbnd		Upbound	Downbnd	Upbound	Downbnd
7120 electrical machinery	6	—	—	6	1	5	—	—
7210 vehicles & parts	54	19	33	2	1	1	—	—
7220 aircraft & parts	1	—	—	1	—	1	—	—
7300 ordnance & access.	0	—	—	0	—	0	—	—
7400 manufac. wood prod.	0	—	—	0	—	0	—	—
7500 textile products	1	—	—	1	0	1	—	—
7600 rubber & plastic pr.	1	—	—	1	0	1	—	—
7900 manufac. prod. nec	670	6	50	614	253	361	—	—
Total unknown or not elsewhere classified	0	—	—	0	0	0	—	—
9900 unknown or nec	0	—	—	0	0	0	—	—
Ton-miles (x1000)	190,355	4,735	19,273	166,347	148,702	17,645	0	0

Tons All Traffic (x1000) 11,033
Ton-miles All Traffic (x1000) 190,355

NEW BEDFORD AND FAIRHAVEN HARBOR, MA

Section Included: From deepwater in Buzzards Bay through the Route 6 Bridge. Controlling Depth: 27.4 feet; branch channels range from 9 to 25 feet. Project Depth: 30 feet in entrance channel, maneuvering area northwest of Palmers Island and Turning Basin above Fish Island. Branch channels range from 10 to 25 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	505	1991	503	1994	601	1997	554
1989	456	1992	484	1995	570		
1990	406	1993	503	1996	516		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Total	Domestic Coastwise		Internal Intraport
		Imports*	Exports		Receipts	Shipments	
Total, all commodities	554	20	2	532	242	268	22
Total petroleum and petroleum products	326	—	—	326	242	62	22
Subtotal petroleum products	326	—	—	326	242	62	22
2211 gasoline	15	—	—	15	—	15	—
2330 distillate fuel oil	149	—	—	149	114	13	22
2340 residual fuel oil	162	—	—	162	128	35	—
Total crude materials, inedible except fuels	217	13	—	203	—	203	—
Subtotal soil, sand, gravel, rock and stone	198	—	—	198	—	198	—
4331 sand & gravel	193	—	—	193	—	193	—
4338 soil & fill dirt	5	—	—	5	—	5	—
Subtotal other non-metal. min.	18	13	—	5	—	5	—
4900 non-metal. min. nec	18	13	—	5	—	5	—
Total primary manufactured goods	1	0	1	—	—	—	—
Subtotal paper products	1	—	1	—	—	—	—
5120 paper & paperboard	1	—	1	—	—	—	—
Subtotal primary non-ferrous metal products	0	0	0	—	—	—	—
5480 fab. metal products	0	0	0	—	—	—	—
Total food and farm products	7	7	0	—	—	—	—
Subtotal fish	0	—	0	—	—	—	—
6134 fish (not shellfish)	0	—	0	—	—	—	—
Subtotal grain	0	—	0	—	—	—	—
6344 corn	0	—	0	—	—	—	—
Subtotal other agricultural products	7	7	—	—	—	—	—
6822 dairy products	0	0	—	—	—	—	—
6857 fruit & nuts nec	7	7	—	—	—	—	—
6889 food products nec	0	0	—	—	—	—	—
Total all manufactured equipment, machinery and products	2	0	0	2	0	2	—
7110 machinery (not elec)	1	—	0	1	—	1	—
7120 electrical machinery	0	—	0	0	—	0	—
7210 vehicles & parts	0	—	0	—	—	—	—
7230 ships & boats	0	—	0	—	—	—	—
7400 manufac. wood prod.	1	—	—	1	—	1	—

NEW BEDFORD AND FAIRHAVEN HARBOR, MA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports*	Exports	Total	Coastwise		Internal Intraport
					Receipts	Shipments	
7500 textile products	0	0	0	—	—	—	
7900 manufac. prod. nec	0	—	0	0	0	—	

*Includes 7 (x1000) tons of foreign inbound in-transits.

FALL RIVER HARBOR, MA

Section Included: From the Railroad Bridge between Aquidneck Island and Tiverton in a northerly direction to Trestle Pier Light in the Taunton River. Controlling Depth: 33 feet with shoaling on limits in the 35-foot channel. 400 feet wide through Mount Hope Bay to the Braga Bridge; thence 25.2 feet in the 35-foot channel to the wharves above the bridge; 31.8 feet in the 35-foot turning basin. Project Depth: 40 feet in channel and turning basin; 40 feet on lower end of Hog Island shoal; dredged to 35 feet; 40 foot project inactive.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	4,787	1991	3,884	1994	4,178	1997	3,394
1989	4,803	1992	3,530	1995	3,282		
1990	4,413	1993	3,458	1996	3,180		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports	Exports	Imports	Coastwise Receipts
Total, all commodities	3,394	930	8	3	2,452
Total coal	3,159	901	—	—	2,258
1100 coal lignite	3,159	901	—	—	2,258
Total petroleum and petroleum products	193	—	—	—	193
Subtotal petroleum products	193	—	—	—	193
2221 kerosene	3	—	—	—	3
2330 distillate fuel oil	109	—	—	—	109
2340 residual fuel oil	76	—	—	—	76
2350 lube oil & greases	5	—	—	—	5
Total chemicals and related products	12	7	1	3	—
Subtotal other chemicals and related products	12	7	1	3	—
3220 alcohols	0	—	0	—	—
3230 carboxylic acids	0	—	0	—	—
3240 nitrogen func. comp.	0	—	0	—	—
3260 organic comp. nec	0	—	0	—	—
3274 sodium hydroxide	8	5	—	3	—
3275 inorg. elem., oxides, & halogen salts	2	2	0	—	—
3276 metallic salts	0	—	0	—	—
3282 pigments & paints	0	—	0	—	—
3284 medicines	0	—	0	—	—
3285 perfumes & cleansers	0	—	0	—	—
3286 plastics	1	0	1	—	—
3291 pesticides	0	—	0	—	—
3297 chemical additives	0	—	0	—	—
3299 chem. products nec	0	—	0	—	—
Total crude materials, inedible except fuels	13	11	2	—	—
Subtotal forest products, wood and chips	12	11	1	—	—
4110 rubber & gums	11	11	—	—	—
4170 wood in the rough	0	—	0	—	—
4189 lumber	1	—	1	—	—
4190 forest products nec	0	—	0	—	—
Subtotal pulp and waste paper	1	—	1	—	—
4225 pulp & waste paper	1	—	1	—	—
Subtotal soil, sand, gravel, rock and stone	0	—	0	—	—
4310 building stone	0	—	0	—	—
Subtotal iron ore and scrap	0	—	0	—	—
4420 iron & steel scrap	0	—	0	—	—
Subtotal non-ferrous ores and scrap	0	—	0	—	—
4680 non-ferrous scrap	0	—	0	—	—
Subtotal other non-metal. min.	0	0	0	—	—
4900 non-metal. min. nec	0	0	0	—	—
Total primary manufactured goods	13	11	3	—	—
Subtotal paper products	2	0	2	—	—
5120 paper & paperboard	2	0	2	—	—
5190 paper products nec	0	—	0	—	—
Subtotal lime, cement and glass	0	0	0	—	—
5240 glass & glass prod.	0	0	0	—	—
5290 misc. mineral prod.	0	0	0	—	—
Subtotal primary iron and steel products	10	10	0	—	—
5330 i&s plates & sheets	7	7	—	—	—
5360 i&s bars & shapes	4	4	—	—	—
5390 primary i&s nec	0	—	0	—	—

FALL RIVER HARBOR, MA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports	Exports	Imports	Coastwise Receipts
Subtotal primary non-ferrous metal products	1	0	0	---	---
5421 copper	0	0	0	---	---
5422 aluminum	0	0	0	---	---
5480 fab. metal products	0	0	0	---	---
Total food and farm products	2	1	1	---	---
Subtotal fish	0	---	0	---	---
6134 fish (not shellfish)	0	---	0	---	---
Subtotal grain	0	---	0	---	---
6344 corn	0	---	0	---	---
6442 rice	0	---	0	---	---
Subtotal vegetable products	1	1	0	---	---
6653 vegetable oils	1	1	0	---	---
6654 vegetables & prod.	0	---	0	---	---
Subtotal processed grain and animal feed	0	0	0	---	---
6747 grain mill products	0	0	0	---	---
Subtotal other agricultural products	1	0	1	---	---
6822 dairy products	0	---	0	---	---
6835 fish, prepared	0	0	---	---	---
6839 animals & prod. nec	0	---	0	---	---
6857 fruit & nuts nec	0	---	0	---	---
6885 alcoholic beverages	0	0	0	---	---
6889 food products nec	0	---	0	---	---
6899 farm products nec	0	---	0	---	---
Total all manufactured equipment, machinery and products	1	0	1	---	---
7110 machinery (not elec)	0	0	0	---	---
7120 electrical machinery	0	0	0	---	---
7210 vehicles & parts	0	0	0	---	---
7230 ships & boats	0	---	0	---	---
7500 textile products	0	0	0	---	---
7600 rubber & plastic pr.	0	0	0	---	---
7900 manufac. prod. nec	0	0	0	---	---
Total unknown or not elsewhere classified	0	---	0	---	---
9900 unknown or nec	0	---	0	---	---

PROVIDENCE RIVER AND HARBOR, RI

Section Included: South of Prudence Light to Fox Point. Controlling Depth: 35.4 feet in the 40-foot channel from abreast North Point to Sabin Point Light; thence 30.3 feet from Sabin Point to head of harbor. Project Depth: At mean low water, 40 feet to Fox Point.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	7,837	1991	6,015	1994	6,567	1997	8,814
1989	7,857	1992	6,185	1995	6,932		
1990	7,129	1993	6,558	1996	7,803		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Intraport
Total, all commodities	8,814	2,827	355	452	5,180	5,039	91	27	22
Total petroleum and petroleum products	7,645	2,364	0	408	4,873	4,812	11	27	22
Subtotal petroleum products	7,645	2,364	0	408	4,873	4,812	11	27	22
2211 gasoline	4,576	1,826	---	216	2,534	2,507	1	27	---
2221 kerosene	29	---	---	---	29	29	---	---	---
2330 distillate fuel oil	2,118	141	---	67	1,910	1,877	10	---	22
2340 residual fuel oil	259	---	---	---	259	259	---	---	---
2350 lube oil & greases	0	---	0	---	---	---	---	---	---
2410 petro. jelly & waxes	0	0	---	---	---	---	---	---	---
2429 naphtha & solvents	31	31	0	---	---	---	---	---	---
2430 asphalt, tar & pitch	141	---	---	---	141	141	---	---	---
2540 petroleum coke	242	118	---	124	---	---	---	---	---
2640 liquid natural gas	249	249	---	---	---	---	---	---	---
Total chemicals and related products	58	36	5	---	17	17	---	---	---
Subtotal other chemicals and related products	58	36	5	---	17	17	---	---	---
3220 alcohols	5	---	2	---	3	3	---	---	---
3230 carboxylic acids	0	---	0	---	---	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---	---	---

PROVIDENCE RIVER AND HARBOR, RI
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Intraport
3250 organo-inorganic comp.	0	—	0	—	—	—	—	—	—
3274 sodium hydroxide	45	31	—	—	14	14	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—	—	—	—	—
3276 metallic salts	2	2	—	—	—	—	—	—	—
3279 inorganic chem. nec	3	3	—	—	—	—	—	—	—
3285 perfumes & cleansers	0	—	0	—	—	—	—	—	—
3286 plastics	0	—	0	—	—	—	—	—	—
3298 wood & resin chem.	2	—	2	—	—	—	—	—	—
3299 chem. products nec	0	—	0	—	—	—	—	—	—
Total crude materials, inedible except fuels	702	263	350	15	74	—	74	—	—
Subtotal forest products, wood and chips	29	14	0	15	—	—	—	—	—
4110 rubber & gums	14	14	—	—	—	—	—	—	—
4189 lumber	15	—	0	15	—	—	—	—	—
Subtotal iron ore and scrap	424	—	350	—	74	—	74	—	—
4420 iron & steel scrap	424	—	350	—	74	—	74	—	—
Subtotal non-ferrous ores and scrap	0	0	—	—	—	—	—	—	—
4680 non-ferrous scrap	0	0	—	—	—	—	—	—	—
Subtotal other non-metal. min.	248	248	0	—	—	—	—	—	—
4900 non-metal. min. nec	248	248	0	—	—	—	—	—	—
Total primary manufactured goods	401	156	0	29	216	210	6	—	—
Subtotal paper products	0	—	0	—	—	—	—	—	—
5120 paper & paperboard	0	—	0	—	—	—	—	—	—
Subtotal lime, cement and glass	338	93	—	29	216	210	6	—	—
5220 cement & concrete	338	93	—	29	216	210	6	—	—
Subtotal primary iron and steel products	58	58	—	—	—	—	—	—	—
5330 i&s plates & sheets	50	50	—	—	—	—	—	—	—
5360 i&s bars & shapes	7	7	—	—	—	—	—	—	—
5370 i&s pipe & tube	0	0	—	—	—	—	—	—	—
5390 primary i&s nec	1	1	—	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	5	5	0	—	—	—	—	—	—
5421 copper	0	0	—	—	—	—	—	—	—
5480 fab. metal products	5	5	0	—	—	—	—	—	—
Total food and farm products	0	—	0	—	—	—	—	—	—
Subtotal vegetable products	0	—	0	—	—	—	—	—	—
6654 vegetables & prod.	0	—	0	—	—	—	—	—	—
Subtotal other agricultural products	0	—	0	—	—	—	—	—	—
6885 alcoholic beverages	0	—	0	—	—	—	—	—	—
6889 food products nec	0	—	0	—	—	—	—	—	—
Total all manufactured equipment, machinery and products	8	7	1	—	—	—	—	—	—
7110 machinery (not elec)	1	0	0	—	—	—	—	—	—
7120 electrical machinery	0	—	0	—	—	—	—	—	—
7210 vehicles & parts	7	7	0	—	—	—	—	—	—
7230 ships & boats	0	0	0	—	—	—	—	—	—
7500 textile products	0	—	0	—	—	—	—	—	—
7600 rubber & plastic pr.	0	—	0	—	—	—	—	—	—

PROVIDENCE RIVER AND HARBOR, RI
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Intraport
7900 manufac. prod. nec	0	—	0	—	—	—	—	—	—

*Includes 31 (x1000) tons of foreign inbound in-transits.

NEW LONDON HARBOR, CT

Section Included: From deepwater, upstream about 3.8 miles to opposite the State Pier, including Shaws Cove and Winthrop Cove. Controlling Depth: 38.5 feet in Main Channel with shoaling near limits; 20.1 feet in Waterfront Channel. Branch Channels range from 13 to 20 feet. Project Depth: 40 feet in Main Channel (deepened by U. S. Navy). 23 feet in channel along New London waterfront, 15 feet in Shaws Cove. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,332	1991	2,130	1994	1,675	1997	1,915
1989	1,737	1992	1,765	1995	1,636		
1990	2,149	1993	1,793	1996	2,049		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total*	Foreign Imports	Domestic			Internal Outbound Upbound
			Total	Coastwise		
				Receipts	Shipments	
Total, all commodities	608	139	469	328	139	2
Total petroleum and petroleum products	453	—	453	316	136	—
Subtotal petroleum products	453	—	453	316	136	—
2211 gasoline	7	—	7	7	—	—
2221 kerosene	25	—	25	7	18	—
2330 distillate fuel oil	392	—	392	274	118	—
2340 residual fuel oil	28	—	28	28	—	—
Total chemicals and related products	10	—	10	10	—	—
Subtotal other chemicals and related products	10	—	10	10	—	—
3272 sulphuric acid	10	—	10	10	—	—
Total crude materials, inedible except fuels	142	139	2	—	—	2
Subtotal soil, sand, gravel, rock and stone	2	—	2	—	—	2
4331 sand & gravel	2	—	2	—	—	2
Subtotal other non-metal. min.	139	139	—	—	—	—
4900 non-metal. min. nec	139	139	—	—	—	—
Total primary manufactured goods	2	—	2	1	1	—
Subtotal primary non-ferrous metal products	2	—	2	1	1	—
5480 fab. metal products	2	—	2	1	1	—
Total all manufactured equipment, machinery and products	2	0	2	0	2	—
7230 ships & boats	0	0	—	—	—	—
7900 manufac. prod. nec	2	—	2	0	2	—
Total unknown or not elsewhere classified	0	—	0	—	0	—
9900 unknown or nec	0	—	0	—	0	—

*Does not include 1,307 (x1000) tons of through traffic.

THAMES RIVER, CT

Section Included: From a point downstream of the New London Highway Bridge at New London to Norwich, CT. Controlling Depth: 34.5 feet to upstream end of U.S. Submarine Base; thence generally 25.0 feet in middle half of 25 foot channel to Allyn Point: Thence 18.3 feet to 1,500 feet above Poquetanuk Cove; then 18 feet upstream to Norwich Dike; thence 11 feet to upstream limit of project. Channel widened and deepened to 36 feet depth to upstream end of U.S. Submarine Base. Project Depth elsewhere in Reach: 25 feet to Norwich.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	447	1991	1,127	1994	965	1997	1,309
1989	567	1992	1,135	1995	1,013		
1990	1,048	1993	1,001	1996	1,415		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic		
		Coastwise		Internal Inbound Upbound
		Receipts	Shipments	
Total, all commodities	1,309	1,300	7	2
Total coal	704	704	—	—
1100 coal lignite	704	704	—	—
Total petroleum and petroleum products	444	437	7	—
Subtotal petroleum products	444	437	7	—
2211 gasoline	8	8	—	—
2330 distillate fuel oil	60	53	7	—
2340 residual fuel oil	376	376	—	—
Total chemicals and related products	135	135	—	—
Subtotal other chemicals and related products	135	135	—	—
3219 other hydrocarbons	126	126	—	—
3274 sodium hydroxide	9	9	—	—
Total crude materials, inedible except fuels	27	24	—	2
Subtotal soil, sand, gravel, rock and stone	27	24	—	2
4322 limestone	24	24	—	—
4331 sand & gravel	2	—	—	2
Ton-miles (x1000)	6,006	5,938	42	26

Tons All Traffic (x1000) **1,309**
 Ton-miles All Traffic (x1000) **6,006**

CONNECTICUT RIVER BELOW HARTFORD, CT

Section Included: Saybrook to Hartford, CT, 52 miles. Controlling Depth: Generally 13 feet to Hartford, CT, mean low water. Project Depth: 15 feet at mean low water, Saybrook to Hartford. Navigation Season: Usually March 15 to December 15.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,300	1991	1,153	1994	594	1997	893
1989	1,435	1992	986	1995	476		
1990	1,493	1993	638	1996	764		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Coastwise
		Receipts
Total, all commodities	893	893
Total coal	14	14
1100 coal lignite	14	14
Total petroleum and petroleum products	879	879
Subtotal petroleum products	879	879
2211 gasoline	76	76
2221 kerosene	11	11
2330 distillate fuel oil	125	125
2340 residual fuel oil	625	625
2430 asphalt, tar & pitch	42	42
Ton-miles (x1000)	28,545	28,545

Tons All Traffic (x1000) **893**
 Ton-miles All Traffic (x1000) **28,545**

NEW HAVEN HARBOR, CT

Section Included: Main Harbor Channel: From deep water in Long Island Sound to the head of the main harbor near I-95 Bridge. The upper 1.5 miles of the harbor, Quinnipiac River: From Tomlinson Bridge to Grand Avenue Bridge 1.25 miles. West River: From the mouth to a point about 500 feet above the upstream side of the Kimberly Avenue Bridge about 1 mile. Mill River: From the mouth to Grand Avenue Bridge about 1,600 feet. Controlling Depth: Main Channel, 29.8 feet in left outside quarter, 30.5 feet in center, 31.5 feet in right outside quarter, 14 feet in the Quinnipiac River Channel to Ferry Street Draw Bridge, thence upstream 11.3 feet. Other channels range from 3 to 30 feet. Project Depth: Main Channel, 35 feet from Long Island Sound to head of harbor. Branch Channels range from 12 to 18 feet. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	9,658	1991	8,154	1994	9,471	1997	9,594
1989	9,480	1992	8,430	1995	8,813		
1990	9,301	1993	8,740	1996	8,838		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports	Imports	Total	Coastwise		Internal Intraport
						Receipts	Shipments	
Total, all commodities	9,594	1,736	208	318	7,332	6,968	239	125
Total petroleum and petroleum products	7,960	869	0	318	6,774	6,491	170	113
Subtotal petroleum products	7,960	869	0	318	6,774	6,491	170	113
2211 gasoline	3,515	393	—	91	3,031	2,940	55	36
2221 kerosene	116	—	—	13	103	96	7	—
2330 distillate fuel oil	3,347	458	—	179	2,709	2,536	96	77
2340 residual fuel oil	761	—	—	17	744	732	12	—
2350 lube oil & greases	0	—	0	—	—	—	—	—
2430 asphalt, tar & pitch	171	—	—	—	171	171	—	—
2540 petroleum coke	35	18	—	17	—	—	—	—
2990 petro. products nec	16	—	—	—	16	16	—	—
Total chemicals and related products	98	3	0	—	95	95	—	—
Subtotal other chemicals and related products	98	3	0	—	95	95	—	—
3219 other hydrocarbons	71	—	—	—	71	71	—	—
3220 alcohols	9	—	—	—	9	9	—	—
3240 nitrogen func. comp.	0	0	—	—	—	—	—	—
3260 organic comp. nec	0	—	0	—	—	—	—	—
3274 sodium hydroxide	9	2	—	—	6	6	—	—
3282 pigments & paints	0	0	0	—	—	—	—	—
3283 coloring mat. nec	0	0	—	—	—	—	—	—
3285 perfumes & cleansers	0	0	—	—	—	—	—	—
3286 plastics	0	0	0	—	—	—	—	—
3297 chemical additives	9	—	0	—	9	9	—	—
3299 chem. products nec	0	0	—	—	—	—	—	—
Total crude materials, inedible except fuels	580	178	202	—	200	119	69	12
Subtotal forest products, wood and chips	1	0	1	—	—	—	—	—
4170 wood in the rough	0	—	0	—	—	—	—	—
4189 lumber	1	—	1	—	—	—	—	—
4190 forest products nec	0	0	0	—	—	—	—	—
Subtotal pulp and waste paper	0	0	0	—	—	—	—	—
4225 pulp & waste paper	0	0	0	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	114	0	—	—	114	114	—	—
4310 building stone	0	0	—	—	—	—	—	—
4331 sand & gravel	114	—	—	—	114	114	—	—
Subtotal iron ore and scrap	270	—	201	—	69	—	69	—
4420 iron & steel scrap	270	—	201	—	69	—	69	—
Subtotal non-ferrous ores and scrap	0	—	0	—	—	—	—	—
4680 non-ferrous scrap	0	—	0	—	—	—	—	—
Subtotal sulphur, clay and salt	0	—	0	—	—	—	—	—
4782 clay & refrac. mat.	0	—	0	—	—	—	—	—
Subtotal other non-metal. min.	194	177	—	—	17	5	—	12
4900 non-metal. min. nec	194	177	—	—	17	5	—	12
Total primary manufactured goods	946	680	3	—	263	263	—	—
Subtotal paper products	1	0	0	—	—	—	—	—
5120 paper & paperboard	0	0	0	—	—	—	—	—
5190 paper products nec	0	0	0	—	—	—	—	—
Subtotal lime, cement and glass	239	5	2	—	232	232	—	—
5220 cement & concrete	232	—	—	—	232	232	—	—
5240 glass & glass prod.	2	0	2	—	—	—	—	—
5290 misc. mineral prod.	4	4	—	—	—	—	—	—
Subtotal primary iron and steel products	622	591	—	—	31	31	—	—
5312 pig iron	6	6	—	—	—	—	—	—
5320 i&s primary forms	151	120	—	—	31	31	—	—

NEW HAVEN HARBOR, CT
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports	Imports	Total	Coastwise		Internal Intraport
						Receipts	Shipments	
5330 i&s plates & sheets	328	328	—	—	—	—	—	
5360 i&s bars & shapes	127	127	—	—	—	—	—	
5370 i&s pipe & tube	9	9	—	—	—	—	—	
5390 primary i&s nec	2	2	—	—	—	—	—	
Subtotal primary	85	85	0	—	—	—	—	
non-ferrous metal products								
5421 copper	9	9	—	—	—	—	—	
5422 aluminum	13	13	—	—	—	—	—	
5429 smelted prod. nec	58	58	0	—	—	—	—	
5480 fab. metal products	5	5	0	—	—	—	—	
Subtotal primary wood	0	—	0	—	—	—	—	
products								
5540 primary wood prod.	0	—	0	—	—	—	—	
Total food and farm	5	4	1	—	—	—	—	
products								
Subtotal fish	0	0	—	—	—	—	—	
6134 fish (not shellfish)	0	0	—	—	—	—	—	
6136 shellfish	0	0	—	—	—	—	—	
Subtotal vegetable products	2	2	0	—	—	—	—	
6653 vegetable oils	2	2	—	—	—	—	—	
6654 vegetables & prod.	0	0	0	—	—	—	—	
Subtotal processed grain	1	0	0	—	—	—	—	
and animal feed								
6747 grain mill products	0	0	—	—	—	—	—	
6781 hay & fodder	0	—	0	—	—	—	—	
Subtotal other agricultural	3	2	1	—	—	—	—	
products								
6811 meat, fresh, frozen	0	—	0	—	—	—	—	
6822 dairy products	0	0	0	—	—	—	—	
6835 fish, prepared	0	0	0	—	—	—	—	
6839 animals & prod. nec	0	0	0	—	—	—	—	
6857 fruit & nuts nec	0	—	0	—	—	—	—	
6858 fruit juices	0	0	0	—	—	—	—	
6885 alcoholic beverages	2	2	—	—	—	—	—	
6888 water & ice	0	0	—	—	—	—	—	
6889 food products nec	0	0	0	—	—	—	—	
6893 cotton	0	—	0	—	—	—	—	
6899 farm products nec	0	0	—	—	—	—	—	
Total all manufactured	5	2	3	—	—	—	—	
equipment, machinery and								
products								
7110 machinery (not elec)	3	1	3	—	—	—	—	
7120 electrical machinery	0	0	0	—	—	—	—	
7210 vehicles & parts	0	0	0	—	—	—	—	
7230 ships & boats	0	0	—	—	—	—	—	
7300 ordnance & access.	0	—	0	—	—	—	—	
7400 manufac. wood prod.	0	0	—	—	—	—	—	
7500 textile products	1	1	0	—	—	—	—	
7600 rubber & plastic pr.	0	0	0	—	—	—	—	
7900 manufac. prod. nec	1	1	0	—	—	—	—	
Total unknown or not	0	0	0	—	—	—	—	
elsewhere classified								
9900 unknown or nec	0	0	0	—	—	—	—	

*Includes 16 (x1000) tons of foreign inbound in-transits.

BRIDGEPORT HARBOR, CT

Section Included: Main Harbor: From deep water to 800 feet downstream of the Stratford Avenue Bridge. Pequonnock River: From Stratford Avenue Bridge to head of navigation, about 1 mile. Yellow Mill Channel: From a point about 1,800 feet below Stratford Avenue Bridge to the head of navigation, 1 mile. Johnsons River: From Pleasure Beach Bridge to head of navigation, about 1,600 feet. Black Rock Harbor: From about 2000 feet downstream of a Fayerweather Island to the head of navigation, about 2.5 miles. Controlling Depth: 34 feet to Bridgeport Light, thence 29.8 feet to upstream limit of the 35-foot Main Channel; 11 feet in the Pequonnock River Channel; 11.6 feet in Johnsons River to upstream end of channel; 12.9 feet in Yellow Mill Channel to about 2,000 feet upstream of Stratford Avenue Bridge, thence 5.9 feet to upstream limit. Branch channels range from 3 to 15 feet, 15 feet in Black Rock Harbor entrance channel; 15 feet in East Branch; 17 feet in West Branch. Project Depth: Main Harbor: 35 feet from Long Island Sound to about 800 feet below Stratford Avenue Bridge. Branch Channels range from 6 to 18 feet. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	2,670	1991	3,268	1994	3,054	1997	5,340
1989	2,646	1992	2,948	1995	3,447		
1990	2,852	1993	2,942	1996	4,862		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports*	Exports	Total	Coastwise		Internal Intraport
					Receipts	Shipments	
Total, all commodities	5,340	919	17	4,404	3,525	841	38
Total coal	743	35	---	708	708	---	---
1100 coal lignite	743	35	---	708	708	---	---
Total petroleum and petroleum products	3,757	605	---	3,152	2,273	841	38
Subtotal petroleum products	3,757	605	---	3,152	2,273	841	38
2211 gasoline	1,484	329	---	1,154	1,086	64	4
2330 distillate fuel oil	539	17	---	522	520	2	---
2340 residual fuel oil	1,675	223	---	1,452	643	776	33
2430 asphalt, tar & pitch	24	---	---	24	24	---	---
2540 petroleum coke	35	35	---	---	---	---	---
Total chemicals and related products	0	---	0	---	---	---	---
Subtotal other chemicals and related products	0	---	0	---	---	---	---
3282 pigments & paints	0	---	0	---	---	---	---
3292 starches, gluten, glue	0	---	0	---	---	---	---
Total crude materials, inedible except fuels	554	10	---	544	544	---	---
Subtotal soil, sand, gravel, rock and stone	544	---	---	544	544	---	---
4331 sand & gravel	544	---	---	544	544	---	---
Subtotal other non-metal. min.	10	10	---	---	---	---	---
4900 non-metal. min. nec	10	10	---	---	---	---	---
Total primary manufactured goods	14	---	14	---	---	---	---
Subtotal paper products	14	---	14	---	---	---	---
5110 newsprint	0	---	0	---	---	---	---
5120 paper & paperboard	14	---	14	---	---	---	---
Subtotal primary iron and steel products	0	---	0	---	---	---	---
5330 i&s plates & sheets	0	---	0	---	---	---	---
Subtotal primary non-ferrous metal products	0	---	0	---	---	---	---
5480 fab. metal products	0	---	0	---	---	---	---
Total food and farm products	270	269	0	---	---	---	---
Subtotal vegetable products	0	0	---	---	---	---	---
6654 vegetables & prod.	0	0	---	---	---	---	---
Subtotal other agricultural products	269	269	0	---	---	---	---
6856 bananas & plantains	247	247	---	---	---	---	---
6857 fruit & nuts nec	22	22	---	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---
6899 farm products nec	0	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	3	---	3	---	---	---	---
7110 machinery (not elec)	0	---	0	---	---	---	---
7210 vehicles & parts	2	---	2	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---
7500 textile products	0	---	0	---	---	---	---
7900 manufac. prod. nec	0	---	0	---	---	---	---
Total unknown or not elsewhere classified	0	---	0	---	---	---	---
9900 unknown or nec	0	---	0	---	---	---	---

*Includes 22 (x1000) tons of foreign inbound in-transits.

NORWALK HARBOR, CT

Section Included: From a point 4.5 mile below Washington Street Bridge to head of navigation at East Norwalk and Norwalk. Controlling Depth: 8.5 feet in the 12-foot channel from Long Island Sound to opposite downstream end of 10 foot anchorage, thence 7.9 feet to the Washington Bridge; 7.0 feet in the 10-foot channel to I-95 bridge; thence 5.4 feet; 5.8 feet in 10 foot basin; and 3 to 6 feet in 10 foot anchorage. Project Depth: 12 feet in channel from outer harbor to Washington Street Bridge, South Norwalk, thence 10 feet deep to the basin at Norwalk. Anchorage adjacent to 12 foot channel at Fitchpoint Light, 10 feet. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	779	1991	537	1994	446	1997	713
1989	546	1992	541	1995	447		
1990	640	1993	475	1996	495		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic	
		Coastwise Receipts	Internal Intraport
Total, all commodities	713	706	6
Total petroleum and petroleum products	484	484	—
Subtotal petroleum products	484	484	—
2330 distillate fuel oil	27	27	—
2340 residual fuel oil	457	457	—
Total crude materials, inedible except fuels	222	222	—
Subtotal soil, sand, gravel, rock and stone	222	222	—
4331 sand & gravel	222	222	—
Total food and farm products	6	—	6
Subtotal fish	6	—	6
6136 shellfish	6	—	6

STAMFORD HARBOR, CT

Section Included: From about 600 feet below outer breakwaters to the head of navigation in the East and West Branches. Controlling Depth: 17 feet in the 18-foot entrance channel; 14.8 feet in the center half of the 15-foot entrance channel; 10 feet in the 12-foot East Branch Channel to 2,000 feet downstream of the head of navigation, and 12.8 feet in center half of West Branch Channel. Project Depth: 18.0 feet in entrance channel to north end of 18-foot anchorage; thence 15 feet in remainder of entrance channel, West Branch Channel and basin, 12 feet in East Branch Channel, at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,034	1991	819	1994	1,116	1997	1,041
1989	893	1992	754	1995	994		
1990	522	1993	874	1996	1,037		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Total, all commodities	1,041	1,007	34
Total petroleum and petroleum products	296	294	2
Subtotal petroleum products	296	294	2
2330 distillate fuel oil	296	294	2
Total crude materials, inedible except fuels	745	713	32
Subtotal soil, sand, gravel, rock and stone	713	713	—
4331 sand & gravel	713	713	—
Subtotal iron ore and scrap	32	—	32
4420 iron & steel scrap	32	—	32

Other Harbors and Waterways 1997

Harbor or Waterway Project	Commodity	Thousand Short Tons
ANDREWS RIVER, MA	No Commerce Reported	
ANNISQUAM RIVER, MA	No Commerce Reported	
APPONAUG COVE, RI	No Commerce Reported	
BAR HARBOR, ME	No Commerce Reported	
BASS HARBOR, ME	No Commerce Reported	
BEALS HARBOR, ME	No Commerce Reported	
BELFAST HARBOR, ME	No Commerce Reported	
BEVERLY HARBOR, MA	No Commerce Reported	
BOOTHBAY HARBOR, ME	No Commerce Reported	
BRANFORD HARBOR, CT	No Commerce Reported	
BRISTOL HARBOR, RI	No Commerce Reported	
BUNKER HARBOR, ME	No Commerce Reported	
CAMDEN HARBOR, ME	No Commerce Reported	
CANAPITSIT CHANNEL, MA	2330 distillate fuel oil	0
	Total Tons(x1000)	<u>0</u>
	Total Ton-miles(x1000)	0
CAPE PORPOISE HARBOR, ME	No Commerce Reported	
CARVERS HARBOR, ME	2211 gasoline 2330 distillate fuel oil	0 0
	Total Tons(x1000)	<u>0</u>
CHATHAM (STAGE) HARBOR, MA	No Commerce Reported	
CLINTON HARBOR, CT	No Commerce Reported	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
COBSCOOK BAY, ME	No Commerce Reported	
COHASSET HARBOR, MA	No Commerce Reported	
COREA HARBOR, ME	6136 shellfish	0
	Total Tons(x1000)	0
CRIEHAVEN HARBOR, ME	No Commerce Reported	
CROSS RIP SHOALS, NANTUCKET SOUND, MA	2211 gasoline	9
	2330 distillate fuel oil	12
	4331 sand & gravel	30
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7400 manufac. wood prod.	1
	Total Tons(x1000)	53
	Total Ton-miles(x1000)	53
CUTTYHUNK HARBOR, MA	2330 distillate fuel oil	0
	4170 wood in the rough	0
	4189 lumber	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	0
DAMARISCOTTA RIVER, ME	6134 fish (not shellfish)	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	11
DORCHESTER BAY, MA (INCLUDED IN PORT OF BOSTON)	No Commerce Reported	
DUXBURY HARBOR, MA	No Commerce Reported	
EDGARTOWN HARBOR, MA	No Commerce Reported	
ESSEX RIVER, MA	No Commerce Reported	
FALMOUTH HARBOR, MA	7900 manufac. prod. nec	1
	Total Tons(x1000)	1
FIVEMILE RIVER HARBOR, CT	No Commerce Reported	
FORT POINT CHANNEL, MA (INCLUDED IN PORT OF BOSTON)	No Commerce Reported	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
GLOUCESTER HARBOR, MA	2330 distillate fuel oil	3
	2350 lube oil & greases	0
	3282 pigments & paints	0
	3286 plastics	0
	3292 starches, gluten, glue	0
	3297 chemical additives	0
	4225 pulp & waste paper	0
	5110 newsprint	0
	5190 paper products nec	0
	5240 glass & glass prod.	0
	5422 aluminum	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	14
	6136 shellfish	0
	6344 corn	0
	6653 vegetable oils	0
	6654 vegetables & prod.	0
	6747 grain mill products	0
	6835 fish, prepared	0
	6839 animals & prod. nec	0
	6857 fruit & nuts nec	0
	6885 alcoholic beverages	0
	6889 food products nec	0
	6891 tobacco & products	0
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	1
	9900 unknown or nec	0
	Total Tons(x1000)	19
GREAT SALT POND, BLOCK ISLAND, RI	9900 unknown or nec	0
	Total Tons(x1000)	0
GREEN HARBOR, MA	6136 shellfish	0
	Total Tons(x1000)	0
GREENWICH BAY, RI	No Commerce Reported	
GREENWICH HARBOR, CT	2330 distillate fuel oil	0
	6888 water & ice	0
	Total Tons(x1000)	0
GUILFORD HARBOR, CT	No Commerce Reported	
HAMPTON HARBOR, NH	No Commerce Reported	
HARBOR OF REFUGE AT SANDY BAY, CAPE ANN, MA	No Commerce Reported	
HARBOR OF REFUGE, BLOCK ISLAND, RI	7900 manufac. prod. nec	3
	9900 unknown or nec	3
	Total Tons(x1000)	6

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
HARBOR OF REFUGE, NANTUCKET, MA	2211 gasoline	9
	2330 distillate fuel oil	12
	4331 sand & gravel	30
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7400 manufac. wood prod.	1
	Total Tons(x1000)	53
HARBOR OF REFUGE, POINT JUDITH AND POINT JUDITH POND, RI	6134 fish (not shellfish)	2
	7900 manufac. prod. nec	3
	9900 unknown or nec	3
	Total Tons(x1000)	8
HARRASEEKET RIVER, ME	No Commerce Reported	
HAY (WEST) HARBOR, NY	7900 manufac. prod. nec	2
	9900 unknown or nec	0
	Total Tons(x1000)	2
HENDRICKS HARBOR, ME	No Commerce Reported	
HINGHAM HARBOR, MA (INCLUDED IN PORT OF BOSTON)	No Commerce Reported	
HOUSATONIC RIVER, CT	2340 residual fuel oil	92
	4331 sand & gravel	6
	Total Tons(x1000)	98
	Total Ton-miles(x1000)	476
HYANNIS HARBOR, MA	No Commerce Reported	
IPSWICH RIVER, MA	No Commerce Reported	
ISLE AU HAUT THOROUGHFARE, ME	2211 gasoline	0
	2221 kerosene	0
	2330 distillate fuel oil	0
	7900 manufac. prod. nec	0
	9900 unknown or nec	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
ISLE OF SHOALS HARBOR, ME AND NH	No Commerce Reported	
JOSIAS RIVER, ME	No Commerce Reported	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
KENNEBEC RIVER, ME	5480 fab. metal products	0
	6134 fish (not shellfish)	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	7
KENNEBUNK RIVER, ME	No Commerce Reported	
LAGOON POND, MARTHA'S VINEYARD, MA	4170 wood in the rough	0
	Total Tons(x1000)	0
LUBEC CHANNEL, ME	No Commerce Reported	
LYNN HARBOR, MA	No Commerce Reported	
MACHIAS RIVER, ME	No Commerce Reported	
MALDEN RIVER, MA (INCLUDED IN PORT OF BOSTON)	No Commerce Reported	
MANCHESTER HARBOR, MA	No Commerce Reported	
MARBLEHEAD HARBOR, MA	No Commerce Reported	
MATINICUS HARBOR, ME	2211 gasoline	0
	2221 kerosene	0
	2330 distillate fuel oil	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	0
MATTAPOISETT HARBOR, MA	No Commerce Reported	
MENEMSHA CREEK, MARTHA'S VINEYARD, MA	No Commerce Reported	
MILFORD HARBOR, CT	No Commerce Reported	
MOOSABEC BAR, ME	No Commerce Reported	
MYSTIC RIVER, CT	No Commerce Reported	
NARRAGUAGUS RIVER, ME	No Commerce Reported	
NEPONSET RIVER, MA (INCLUDED IN PORT OF BOSTON)	No Commerce Reported	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
NEW HARBOR, ME	No Commerce Reported	
NEWBURYPORT HARBOR, MA	No Commerce Reported	
NEWPORT HARBOR, RI	2211 gasoline 3220 alcohols 4189 lumber 5120 paper & paperboard 7120 electrical machinery 7210 vehicles & parts 7230 ships & boats 7500 textile products 7900 manufac. prod. nec 9900 unknown or nec	139 14 0 0 0 0 0 0 0 0
NEWPORT HARBOR, RI - continued	Total Tons(x1000) Total Ton-miles(x1000)	<hr/> 154 154
NIANTIC BAY AND HARBOR, CT	No Commerce Reported	
NORTHEAST HARBOR, ME	4331 sand & gravel	7
	Total Tons(x1000)	<hr/> 7
OWLS HEAD HARBOR, ME	No Commerce Reported	
PATCHOGUE RIVER, CT	No Commerce Reported	
PAWCATUCK RIVER, RI AND CT	No Commerce Reported	
PLEASANT RIVER, ME	No Commerce Reported	
PLYMOUTH HARBOR, MA (INCLUDING NORTH PLYMOUTH)	No Commerce Reported	
PROVINCETOWN HARBOR, MA	No Commerce Reported	
RED BROOK HARBOR, BOURNE, MA	No Commerce Reported	
ROCKLAND HARBOR, ME	2211 gasoline 2221 kerosene 2330 distillate fuel oil 6134 fish (not shellfish) 7900 manufac. prod. nec	1 0 1 8 0
	Total Tons(x1000)	<hr/> 10
ROCKPORT HARBOR, MA	No Commerce Reported	
ROCKPORT HARBOR, ME	No Commerce Reported	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
ROYAL RIVER, ME	No Commerce Reported	
RYE HARBOR, NH	No Commerce Reported	
SACO RIVER, ME	No Commerce Reported	
SAKONNET RIVER AND HARBOR, RI	No Commerce Reported	
SCARBORO RIVER, ME	No Commerce Reported	
SCITUATE HARBOR, MA	No Commerce Reported	
SEEKONK RIVER, RI	4420 iron & steel scrap	18
	Total Tons(x1000)	<u>18</u>
	Total Ton-miles(x1000)	53
SOUTH BRISTOL HARBOR, ME	6134 fish (not shellfish)	1
	Total Tons(x1000)	<u>1</u>
SOUTHWEST HARBOR, ME	No Commerce Reported	
ST. CROIX RIVER, ME	No Commerce Reported	
STOCKTON HARBOR, ME (INCLUDED IN PENOBSCOT RIVER, ME)	No Commerce Reported	
STONINGTON HARBOR, CT	No Commerce Reported	
STONINGTON HARBOR, ME	2211 gasoline 2330 distillate fuel oil 7900 manufac. prod. nec 9900 unknown or nec	0 0 0 0
	Total Tons(x1000)	<u>0</u>
STONY CREEK, CT	No Commerce Reported	
TAUNTON RIVER, MA	No Commerce Reported	
TENANTS HARBOR, ME	No Commerce Reported	
THOMASTON HARBOR (GEORGES RIVER), ME	No Commerce Reported	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
VINEYARD HAVEN HARBOR, MA	2211 gasoline	15
	2330 distillate fuel oil	13
	4331 sand & gravel	49
	4338 soil & fill dirt	5
	7110 machinery (not elec)	0
	7400 manufac. wood prod.	0
	Total Tons(x1000)	83
WAREHAM HARBOR, MA	No Commerce Reported	
WARREN RIVER, RI	No Commerce Reported	
WARWICK COVE, WARWICK, RI	No Commerce Reported	
WELLFLEET HARBOR, MA	No Commerce Reported	
WESTPORT HARBOR AND SAUGATUCK RIVER, CT	No Commerce Reported	
WESTPORT RIVER, MA	4170 wood in the rough	0
	4189 lumber	0
Total Tons(x1000)	0	
Total Ton-miles(x1000)	0	
WEYMOUTH BACK RIVER, MA (INCLUDED IN PORT OF BOSTON)	No Commerce Reported	
WICKFORD HARBOR, RI	No Commerce Reported	
WINTHROP HARBOR, MA (INCLUDED IN PORT OF BOSTON)	No Commerce Reported	
WOOD ISLAND HARBOR, ME AND THE POOL AT BIDDEFORD WOODS HOLE CHANNEL, MA	No Commerce Reported	
	2211 gasoline	15
	2330 distillate fuel oil	13
	4331 sand & gravel	79
	4338 soil & fill dirt	5
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7400 manufac. wood prod.	1
Total Tons(x1000)	114	
Total Ton-miles(x1000)	114	
YORK HARBOR, ME	No Commerce Reported	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
EASTPORT HARBOR, ME	2100 crude petroleum	82
	3220 alcohols	0
	3230 carboxylic acids	0
	3276 metallic salts	0
	3286 plastics	0
	3292 starches, gluten, glue	0
	3299 chem. products nec	0
	4189 lumber	0
	4225 pulp & waste paper	190
	4782 clay & refrac. mat.	0
	5120 paper & paperboard	18
	5190 paper products nec	0
	5330 i&s plates & sheets	1
	5421 copper	0
	5480 fab. metal products	0
	5540 primary wood prod.	0
	6134 fish (not shellfish)	1
	6747 grain mill products	0
	6782 animal feed, prep.	0
	6839 animals & prod. nec	0
	6857 fruit & nuts nec	0
	6858 fruit juices	0
	6872 cocoa beans	0
	6885 alcoholic beverages	0
	6889 food products nec	0
	6893 cotton	0
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	9900 unknown or nec	0
	Total Tons(x1000)	293

EAST CHESTER CREEK, NY (INCLUDED IN PORT OF NEW YORK)

Section Included: From Long Island Sound to Canal Street. Controlling Depth: 8 feet from Long Island Sound to a point opposite Turtle Cove; balance of waterway ranges from 0.7 to 8 feet. Project Depth: Maintained to 8 feet. All mean low water. Project Length: 5 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,584	1991	1,198	1994	1,177	1997	1,008
1989	1,613	1992	1,194	1995	1,238		
1990	1,153	1993	1,115	1996	1,117		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic		
		Coastwise Receipts	Internal	
			Inbound Upbound	Outbound Downbnd
Total, all commodities	1,008	423	550	35
Total petroleum and petroleum products	513	---	513	---
Subtotal petroleum products	513	---	513	---
2211 gasoline	343	---	343	---
2221 kerosene	4	---	4	---
2330 distillate fuel oil	159	---	159	---
2340 residual fuel oil	6	---	6	---
Total crude materials, inedible except fuels	495	423	38	35
Subtotal forest products, wood and chips	0	---	0	---
4170 wood in the rough	0	---	0	---
Subtotal soil, sand, gravel, rock and stone	460	423	37	---
4331 sand & gravel	460	423	37	---
Subtotal iron ore and scrap	35	---	---	35
4420 iron & steel scrap	35	---	---	35
Ton-miles (x1000)	4,706	1,891	2,676	139
Tons All Traffic (x1000)	1,008			
Ton-miles All Traffic (x1000)	4,706			

FLUSHING BAY AND CREEK, NY (INCLUDED IN PORT OF NEW YORK)

Section Included: From deep water in East River to Roosevelt Avenue Bridge. Controlling Depth: 15 feet from East River to junction with Branch Channel; balance of waterway ranges from 2 to 14 feet. Project Depth: 15 feet in Bay, Branch and Creek Channels, and maneuvering area, and 6 feet in anchorage area. All at mean low water. Project Length: 2.9 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,868	1991	1,689	1994	1,832	1997	2,027
1989	1,867	1992	1,958	1995	1,801		
1990	1,753	1993	1,825	1996	1,720		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic		
		Coastwise Receipts	Internal	
			Inbound Upbound	Outbound Downbnd
Total, all commodities	2,027	3	1,349	675
Total petroleum and petroleum products	294	---	293	1
Subtotal petroleum products	294	---	293	1
2330 distillate fuel oil	246	---	245	1
2340 residual fuel oil	48	---	48	---
Total crude materials, inedible except fuels	890	3	887	---
Subtotal soil, sand, gravel, rock and stone	890	3	887	---
4331 sand & gravel	890	3	887	---
Total primary manufactured goods	168	---	168	---
Subtotal lime, cement and glass	168	---	168	---
5220 cement & concrete	168	---	168	---
Total waste and scrap nec	675	---	---	675
8900 waste and scrap nec	675	---	---	675
Ton-miles (x1000)	4,895	9	3,536	1,351
Tons All Traffic (x1000)	2,027			
Ton-miles All Traffic (x1000)	4,895			

HUDSON RIVER, NY (LOWER SECTION) (INCLUDED IN PORT OF NEW YORK, ALSO INCLUDED IN STATISTICS FOR HUDSON RIVER)

Section Included: From Upper New York City limits to Tarrytown; not including the latter. Controlling Depth: 32 feet mean low water. Project Depth: 34 feet in rock and 32 feet in soft material. Project Length: 13.3 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	20,552	1991	15,689	1994	14,944	1997	16,962
1989	17,972	1992	15,149	1995	14,356		
1990	16,112	1993	15,513	1996	15,285		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total*	Foreign	Domestic		Internal Inbound Upbound
		Imports	Total	Coastwise Receipts	
Total, all commodities	442	34	408	351	57
Total petroleum and petroleum products	57	---	57	---	57
Subtotal petroleum products	57	---	57	---	57
2211 gasoline	31	---	31	---	31
2330 distillate fuel oil	25	---	25	---	25
Total chemicals and related products	0	0	---	---	---
Subtotal other chemicals and related products	0	0	---	---	---
3284 medicines	0	0	---	---	---
Total crude materials, inedible except fuels	0	0	---	---	---
Subtotal forest products, wood and chips	0	0	---	---	---
4190 forest products nec	0	0	---	---	---
Total food and farm products	385	33	351	351	---
Subtotal vegetable products	0	0	---	---	---
6653 vegetable oils	0	0	---	---	---
6654 vegetables & prod.	0	0	---	---	---
Subtotal other agricultural products	385	33	351	351	---
6861 sugar	374	23	351	351	---
6871 coffee	0	0	---	---	---
6872 cocoa beans	10	10	---	---	---
6889 food products nec	0	0	---	---	---
Total all manufactured equipment, machinery and products	0	0	---	---	---
7400 manufac. wood prod.	0	0	---	---	---
7900 manufac. prod. nec	0	0	---	---	---
Ton-miles (x1000)	1,823	134	190,459	1,405	284
Tons All Traffic (x1000)					16,962
Ton-miles All Traffic (x1000)					216,594

*Does not include 16,521 (x1000) tons of through traffic

HUDSON RIVER CHANNEL, NY AND NJ (INCLUDED IN PORT OF NEW YORK)

Section Included: From deep water in Upper Bay to a point opposite West 156th Street, Manhattan. Controlling Depth: 39 to 43 feet, 2,000 to 3,600 feet wide from deep water in the Upper Bay to West 40th Street; balance of waterway ranges from 38 to 48 feet. 21 to 30 feet in Weehawken-Edgewater Channel. Project Depth and length: 40 feet, 45 feet and 48 feet from Upper Bay to opposite West 59th Street; 6 miles. 30 feet in Weehawken-Edgewater Channel; 5 miles. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	23,473	1991	19,119	1994	16,346	1997	18,302
1989	20,817	1992	16,616	1995	15,586		
1990	19,687	1993	17,302	1996	17,226		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian		Domestic			
		Imports*	Exports*	Imports*	Exports	Total	Coastwise Receipts	Internal Inbound Upbound	Outbound Downbnd
Total, all commodities	1,321	403	101	1	54	762	3	198	561
Total coal	35	35	---	---	---	---	---	---	---
1100 coal lignite	35	35	---	---	---	---	---	---	---
1200 coal coke	0	0	---	---	---	---	---	---	---

HUDSON RIVER CHANNEL, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total*	Foreign		Canadian		Domestic			
		Imports*	Exports*	Imports*	Exports	Total	Coastwise Receipts	Internal	
								Inbound Upbound	Outbound Downbnd
Total petroleum and petroleum products	320	122	0	---	---	198	---	197	1
Subtotal petroleum products	320	122	0	---	---	198	---	197	1
2211 gasoline	114	109	---	---	---	5	---	5	---
2221 kerosene	39	---	---	---	---	39	---	39	---
2330 distillate fuel oil	73	---	---	---	---	73	---	73	---
2340 residual fuel oil	81	---	0	---	---	81	---	81	---
2350 lube oil & greases	0	0	0	---	---	0	---	0	---
2410 petro. jelly & waxes	0	0	0	---	---	---	---	---	---
2429 naphtha & solvents	0	---	0	---	---	---	---	---	---
2540 petroleum coke	13	13	---	---	---	---	---	---	---
2640 liquid natural gas	0	---	0	---	---	---	---	---	---
2990 petro. products nec	1	---	---	---	---	1	---	---	1
Total chemicals and related products	11	10	2	---	---	---	---	---	---
Subtotal fertilizers	0	0	---	---	---	---	---	---	---
3130 potassic fert.	0	0	---	---	---	---	---	---	---
3190 fert. & mixes nec	0	0	---	---	---	---	---	---	---
Subtotal other chemicals and related products	11	10	2	---	---	---	---	---	---
3211 acyclic hydrocarbons	0	0	---	---	---	---	---	---	---
3219 other hydrocarbons	0	0	0	---	---	---	---	---	---
3220 alcohols	1	1	---	---	---	---	---	---	---
3230 carboxylic acids	1	1	---	---	---	---	---	---	---
3240 nitrogen func. comp.	0	0	0	---	---	---	---	---	---
3250 organo-inorganic comp.	0	0	0	---	---	---	---	---	---
3260 organic comp. nec	0	0	---	---	---	---	---	---	---
3274 sodium hydroxide	0	0	0	---	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	0	0	---	---	---	---	---	---
3276 metallic salts	1	1	0	---	---	---	---	---	---
3279 inorganic chem. nec	0	0	0	---	---	---	---	---	---
3281 radioactive material	0	0	0	---	---	---	---	---	---
3282 pigments & paints	1	0	0	---	---	---	---	---	---
3283 coloring mat. nec	1	0	0	---	---	---	---	---	---
3284 medicines	0	0	0	---	---	---	---	---	---
3285 perfumes & cleansers	1	1	0	---	---	---	---	---	---
3286 plastics	3	3	0	---	---	---	---	---	---
3291 pesticides	0	0	---	---	---	---	---	---	---
3292 starches, gluten, glue	0	0	0	---	---	---	---	---	---
3297 chemical additives	0	0	0	---	---	---	---	---	---
3298 wood & resin chem.	0	0	---	---	---	---	---	---	---
3299 chem. products nec	0	0	0	---	---	---	---	---	---
Total crude materials, inedible except fuels	134	11	51	0	54	18	3	1	14
Subtotal forest products, wood and chips	5	1	4	0	---	0	---	0	---
4110 rubber & gums	0	0	---	---	---	---	---	---	---
4170 wood in the rough	0	0	0	---	---	0	---	0	---
4189 lumber	3	0	3	0	---	---	---	---	---
4190 forest products nec	1	1	---	---	---	---	---	---	---
Subtotal pulp and waste paper	2	---	2	---	---	---	---	---	---
4225 pulp & waste paper	2	---	2	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	0	0	---	---	---	---	---	---	---
4310 building stone	0	0	---	---	---	---	---	---	---
4322 limestone	0	0	---	---	---	---	---	---	---
Subtotal iron ore and scrap	116	---	45	---	54	17	3	1	14
4410 iron ore	54	---	---	---	54	---	---	---	---
4420 iron & steel scrap	62	---	45	---	---	17	3	1	14

HUDSON RIVER CHANNEL, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian		Domestic			
		Imports*	Exports*	Imports*	Exports	Total	Coastwise Receipts	Internal	
								Inbound Upbound	Outbound Downbnd
Subtotal marine shells	0	0	---	---	---	---	---	---	---
4515 marine shells	0	0	---	---	---	---	---	---	---
Subtotal non-ferrous ores and scrap	0	0	0	---	---	---	---	---	---
4650 aluminum ore	0	0	---	---	---	---	---	---	---
4680 non-ferrous scrap	0	0	0	---	---	---	---	---	---
4690 non-ferrous ores nec	0	0	---	---	---	---	---	---	---
Subtotal sulphur, clay and salt	1	0	1	---	---	---	---	---	---
4782 clay & refrac. mat.	1	0	1	---	---	---	---	---	---
Subtotal other non-metal. min.	10	10	0	---	---	---	---	---	---
4900 non-metal. min. nec	10	10	0	---	---	---	---	---	---
Total primary manufactured goods	109	107	2	0	---	---	---	---	---
Subtotal paper products	8	7	1	0	---	---	---	---	---
5120 paper & paperboard	7	6	0	0	---	---	---	---	---
5190 paper products nec	0	0	0	---	---	---	---	---	---
Subtotal lime, cement and glass	94	94	0	---	---	---	---	---	---
5220 cement & concrete	66	66	---	---	---	---	---	---	---
5240 glass & glass prod.	1	1	0	---	---	---	---	---	---
5290 misc. mineral prod.	27	27	0	---	---	---	---	---	---
Subtotal primary iron and steel products	1	1	0	---	---	---	---	---	---
5312 pig iron	0	0	0	---	---	---	---	---	---
5315 ferro alloys	0	0	---	---	---	---	---	---	---
5330 i&s plates & sheets	0	0	0	---	---	---	---	---	---
5360 i&s bars & shapes	0	0	---	---	---	---	---	---	---
5370 i&s pipe & tube	0	0	0	---	---	---	---	---	---
5390 primary i&s nec	0	0	0	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	4	4	1	---	---	---	---	---	---
5421 copper	1	1	0	---	---	---	---	---	---
5422 aluminum	0	0	0	---	---	---	---	---	---
5429 smelted prod. nec	1	1	0	---	---	---	---	---	---
5480 fab. metal products	3	2	0	---	---	---	---	---	---
Subtotal primary wood products	2	1	0	---	---	---	---	---	---
5540 primary wood prod.	2	1	0	---	---	---	---	---	---
Total food and farm products	39	35	5	0	---	---	---	---	---
Subtotal fish	1	1	0	0	---	---	---	---	---
6134 fish (not shellfish)	1	1	0	0	---	---	---	---	---
6136 shellfish	0	0	0	---	---	---	---	---	---
Subtotal grain	1	1	0	---	---	---	---	---	---
6344 corn	0	---	0	---	---	---	---	---	---
6442 rice	1	1	---	---	---	---	---	---	---
Subtotal oilseeds	0	0	---	---	---	---	---	---	---
6590 oilseeds nec	0	0	---	---	---	---	---	---	---
Subtotal vegetable products	4	3	1	0	---	---	---	---	---
6653 vegetable oils	1	1	0	---	---	---	---	---	---
6654 vegetables & prod.	3	2	0	0	---	---	---	---	---
Subtotal processed grain and animal feed	4	2	2	---	---	---	---	---	---
6746 wheat flour	0	0	0	---	---	---	---	---	---
6747 grain mill products	2	2	0	---	---	---	---	---	---
6781 hay & fodder	2	---	2	---	---	---	---	---	---
6782 animal feed, prep.	0	0	0	---	---	---	---	---	---
Subtotal other agricultural products	30	28	2	0	---	---	---	---	---
6811 meat, fresh, frozen	1	0	1	---	---	---	---	---	---
6817 meat, prepared	1	1	0	---	---	---	---	---	---
6822 dairy products	1	1	0	---	---	---	---	---	---

HUDSON RIVER CHANNEL, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total*	Foreign		Canadian		Domestic			
		Imports*	Exports*	Imports*	Exports	Total	Coastwise Receipts	Internal	
								Inbound Upbound	Outbound Downbnd
6835 fish, prepared	1	1	0	0	—	—	—	—	—
6838 tallow, animal oils	0	0	0	—	—	—	—	—	—
6839 animals & prod. nec	1	1	0	0	—	—	—	—	—
6856 bananas & plantains	0	0	0	—	—	—	—	—	—
6857 fruit & nuts nec	3	2	0	—	—	—	—	—	—
6858 fruit juices	4	4	0	—	—	—	—	—	—
6861 sugar	2	2	—	—	—	—	—	—	—
6871 coffee	2	2	0	—	—	—	—	—	—
6872 cocoa beans	2	2	—	—	—	—	—	—	—
6885 alcoholic beverages	7	6	0	—	—	—	—	—	—
6888 water & ice	1	1	—	—	—	—	—	—	—
6889 food products nec	4	3	0	—	—	—	—	—	—
6891 tobacco & products	0	0	0	—	—	—	—	—	—
6894 natural fibers nec	0	0	—	—	—	—	—	—	—
6899 farm products nec	1	1	0	—	—	—	—	—	—
Total all manufactured equipment, machinery and products	125	84	41	0	—	—	—	—	—
7110 machinery (not elec)	10	8	2	—	—	—	—	—	—
7120 electrical machinery	4	4	0	—	—	—	—	—	—
7210 vehicles & parts	89	52	37	—	—	—	—	—	—
7220 aircraft & parts	0	0	0	—	—	—	—	—	—
7230 ships & boats	0	0	0	—	—	—	—	—	—
7300 ordnance & access.	0	0	0	—	—	—	—	—	—
7400 manufac. wood prod.	1	1	0	—	—	—	—	—	—
7500 textile products	6	6	0	0	—	—	—	—	—
7600 rubber & plastic pr.	3	2	0	0	—	—	—	—	—
7900 manufac. prod. nec	11	11	1	0	—	—	—	—	—
Total waste and scrap nec	546	—	—	—	—	546	—	—	546
8900 waste and scrap nec	546	—	—	—	—	546	—	—	546
Total unknown or not elsewhere classified	2	1	1	—	—	—	—	—	—
9900 unknown or nec	2	1	1	—	—	—	—	—	—
Ton-miles (x1000)	8,314	1,612	424	3	216	200,134	6	1,527	4,527
Tons All Traffic (x1000)				18,302					
Ton-miles All Traffic (x1000)				229,075					

*Does not include 16,982 (x1000) tons of through traffic

*Includes 3 (x1000) tons of foreign inbound in-transits; Includes 3 (x1000) tons of foreign outbound in-transits;
Includes 1 (x1000) tons of Canadian inbound in-transits.

EAST RIVER, NY (INCLUDED IN PORT OF NEW YORK)

Section Included: From Upper New York Bay to Throgs Neck. Controlling Depth: 40 feet from Upper Bay to Wallabout Channel; balance of waterway ranges from 20 to 35 feet. Project Depth: 40 feet to former Brooklyn Navy Yard; 35 feet above the former Brooklyn Navy Yard. All at mean low water. Project Length: About 16 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	40,233	1991	35,038	1994	29,610	1997	33,603
1989	38,138	1992	28,778	1995	29,017		
1990	36,595	1993	29,099	1996	31,409		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total*	Foreign		Canadian
		Imports	Exports*	Imports
Total, all commodities	672	424	1	247
Total petroleum and petroleum products	197	197	---	---
Subtotal petroleum products	197	197	---	---
2330 distillate fuel oil	36	36	---	---
2340 residual fuel oil	74	74	---	---
2540 petroleum coke	87	87	---	---
Total chemicals and related products	0	0	0	---
Subtotal other chemicals and related products	0	0	0	---
3219 other hydrocarbons	0	0	---	---
3220 alcohols	0	0	---	---
3230 carboxylic acids	0	0	---	---
3240 nitrogen func. comp.	0	0	---	---
3250 organo-inorganic comp.	0	0	---	---
3260 organic comp. nec	0	0	---	---
3275 inorg. elem. oxides, & halogen salts	0	0	---	---
3276 metallic salts	0	0	---	---
3279 inorganic chem. nec	0	0	---	---
3282 pigments & paints	0	---	0	---
3284 medicines	0	0	0	---
3285 perfumes & cleansers	0	0	0	---
3286 plastics	0	0	0	---
3299 chem. products nec	0	---	0	---
Total crude materials, inedible except fuels	247	0	---	247
Subtotal forest products, wood and chips	24	---	---	24
4189 lumber	24	---	---	24
Subtotal soil, sand, gravel, rock and stone	224	---	---	224
4323 gypsum	224	---	---	224
Subtotal non-ferrous ores and scrap	0	0	---	---
4680 non-ferrous scrap	0	0	---	---
Subtotal sulphur, clay and salt	0	0	---	---
4782 clay & refrac. mat.	0	0	---	---
Total primary manufactured goods	157	157	0	---
Subtotal paper products	0	---	0	---
5190 paper products nec	0	---	0	---
Subtotal lime, cement and glass	157	157	0	---
5220 cement & concrete	157	157	---	---
5290 misc. mineral prod.	0	0	0	---
Subtotal primary iron and steel products	0	0	---	---
5370 i&s pipe & tube	0	0	---	---
Subtotal primary non-ferrous metal products	0	0	0	---
5480 fab. metal products	0	0	0	---
Total food and farm products	69	69	0	---
Subtotal vegetable products	0	0	---	---
6654 vegetables & prod.	0	0	---	---
Subtotal processed grain and animal feed	0	0	---	---
6747 grain mill products	0	0	---	---
Subtotal other agricultural products	69	69	0	---
6811 meat, fresh, frozen	0	---	0	---
6858 fruit juices	0	0	---	---
6861 sugar	69	69	---	---
6885 alcoholic beverages	0	---	0	---
6889 food products nec	0	0	---	---
Total all manufactured equipment, machinery and products	1	1	0	---
7110 machinery (not elec)	0	0	0	---
7120 electrical machinery	0	0	0	---
7210 vehicles & parts	0	---	0	---
7400 manufac. wood prod.	0	0	0	---
7500 textile products	0	0	0	---
7600 rubber & plastic pr.	0	0	0	---
7900 manufac. prod. nec	0	0	0	---
Total unknown or not elsewhere classified	0	0	0	---
9900 unknown or nec	0	0	0	---
Ton-miles (x1000)	3,786	1,829	4	1,953
Foreign & Canadian				

EAST RIVER, NY (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Domestic					
		Coastwise Receipts	Internal				Intra Downbnd
			Upbound	Upbound	Downbnd	Upbound	
Total, all commodities	3,812	1,363	1,612	22	541	142	132
Total petroleum and petroleum products	3,252	1,275	1,609	22	72	142	132
Subtotal petroleum products	3,252	1,275	1,609	22	72	142	132
2211 gasoline	1	—	1	—	—	—	—
2221 kerosene	12	—	12	—	—	—	—
2330 distillate fuel oil	851	279	527	16	10	7	12
2340 residual fuel oil	2,322	953	1,047	6	62	134	119
2350 lube oil & greases	0	—	0	—	—	—	—
2430 asphalt, tar & pitch	66	44	22	—	—	—	—
Total crude materials, inedible except fuels	5	1	3	—	—	—	—
Subtotal forest products, wood and chips	1	—	1	—	—	—	—
4170 wood in the rough	1	—	1	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	4	1	2	—	—	—	—
4331 sand & gravel	4	1	2	—	—	—	—
Total food and farm products	86	86	—	—	—	—	—
Subtotal other agricultural products	86	86	—	—	—	—	—
6861 sugar	86	86	—	—	—	—	—
Total waste and scrap nec	469	—	—	—	469	—	—
8900 waste and scrap nec	469	—	—	—	469	—	—
Ton-miles (x1000)	28,953	10,593	12,581	80	5,050	247	401
Domestic							
Tons All Traffic (x1000)	33,603						
Ton-miles All Traffic (x1000)	500,198						

*Does not include 29,119 (x1000) tons of through traffic

*Includes 0 (x1000) tons of foreign outbound in-transits.

NEWTOWN CREEK, NY (INCLUDED IN PORT OF NEW YORK)

Section Included: From East River to Johnson Avenue. Controlling Depth: Main Channel, 20 feet to 12 feet from East River to south end of Turning Basin; balance of waterway ranges between 12 and 16 feet. Project Depth: 23, 20, and 12 feet. All at mean low water. Project Length: 5.2 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	2,274	1991	1,777	1994	1,483	1997	1,422
1989	2,396	1992	1,283	1995	1,487		
1990	1,913	1993	1,553	1996	1,522		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise Receipts	Internal		Intra Downbnd
			Upbound	Downbnd	
Total, all commodities	1,422	1	533	888	
Total petroleum and petroleum products	379	—	379	—	
Subtotal petroleum products	379	—	379	—	
2211 gasoline	113	—	113	—	—
2221 kerosene	39	—	39	—	—
2330 distillate fuel oil	200	—	200	—	—
2340 residual fuel oil	26	—	26	—	—
Total crude materials, inedible except fuels	406	1	154	251	
Subtotal soil, sand, gravel, rock and stone	142	—	142	—	
4331 sand & gravel	142	—	142	—	—
Subtotal iron ore and scrap	263	1	11	251	
4420 iron & steel scrap	263	1	11	251	—
Total waste and scrap nec	637	—	—	637	
8900 waste and scrap nec	637	—	—	637	—
Ton-miles (x1000)	2,341	1	1,452	888	
Tons All Traffic (x1000)	1,422				
Ton-miles All Traffic (x1000)	2,342				

BUTTERMILK CHANNEL, NY (INCLUDED IN PORT OF NEW YORK)

Section Included: From East River to Anchorage Channel. Controlling Depth: 35-foot project westerly half of channel, depth at 35 feet; 40-foot project easterly half of channel, depth at 40 feet. Project Depth: 35 feet and 40 feet. All at mean low water. Project Length: 2.3 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	994	1991	31,266	1994	27,022	1997	32,160
1989	850	1992	26,112	1995	27,299		
1990	36,461	1993	26,993	1996	29,605		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian	Domestic
		Imports*	Exports*	Exports	Internal
					Inbound
				Upbound	
Total, all commodities	647	384	210	1	52
Total coal	0	---	0	---	---
1100 coal lignite	0	---	0	---	---
Total petroleum and petroleum products	56	0	4	---	51
Subtotal petroleum products	56	0	4	---	51
2211 gasoline	0	---	---	---	0
2330 distillate fuel oil	0	---	0	---	0
2340 residual fuel oil	51	---	0	---	51
2350 lube oil & greases	3	0	2	---	0
2410 petro. jelly & waxes	1	0	1	---	---
2429 naphtha & solvents	1	---	1	---	---
2430 asphalt, tar & pitch	0	0	0	---	---
2540 petroleum coke	0	0	0	---	---
2640 liquid natural gas	0	---	0	---	---
Total chemicals and related products	70	24	45	0	---
Subtotal fertilizers	0	0	0	---	---
3110 nitrogenous fert.	0	0	0	---	---
3120 phosphatic fert.	0	0	---	---	---
3130 potassic fert.	0	0	0	---	---
3190 fert. & mixes nec	0	---	---	---	---
Subtotal other chemicals and related products	69	24	45	0	---
3212 benzene & toluene	0	0	---	---	---
3219 other hydrocarbons	1	1	1	---	---
3220 alcohols	5	2	3	---	---
3230 carboxylic acids	3	2	1	---	---
3240 nitrogen func. comp.	2	1	1	---	---
3250 organo-inorganic comp.	1	0	1	---	---
3260 organic comp. nec	1	0	1	---	---
3273 ammonia	0	---	0	---	---
3274 sodium hydroxide	1	0	0	---	---
3275 inorg. elem. oxides, & halogen salts	4	2	2	0	---
3276 metallic salts	3	1	2	---	---
3279 inorganic chem. nec	0	0	---	---	---
3281 radioactive material	0	0	---	---	---
3282 pigments & paints	5	1	4	0	---
3283 coloring mat. nec	1	1	1	---	---
3284 medicines	1	0	1	---	---
3285 perfumes & cleansers	8	2	6	0	---
3286 plastics	20	4	16	0	---
3291 pesticides	1	0	1	---	---
3292 starches, gluten, glue	2	1	1	---	---
3293 explosives	1	1	0	---	---
3297 chemical additives	3	0	3	---	---
3298 wood & resin chem.	1	1	0	---	---
3299 chem. products nec	3	1	2	0	---
Total crude materials, inedible except fuels	23	8	15	0	0
Subtotal forest products, wood and chips	7	6	1	0	0
4110 rubber & gums	0	---	0	---	---
4161 wood chips	0	---	0	---	---
4170 wood in the rough	0	0	0	---	0
4189 lumber	5	5	1	---	---
4190 forest products nec	1	1	0	0	---
Subtotal pulp and waste paper	8	0	8	---	---
4225 pulp & waste paper	8	0	8	---	---
Subtotal soil, sand, gravel, rock and stone	4	1	3	---	---
4310 building stone	1	1	---	---	---
4322 limestone	1	---	1	---	---
4323 gypsum	0	---	0	---	---
4331 sand & gravel	2	0	2	---	---
Subtotal iron ore and scrap	0	---	0	---	---
4410 iron ore	0	---	0	---	---
4420 iron & steel scrap	0	---	0	---	---
Subtotal non-ferrous ores and scrap	1	1	1	---	---
4650 aluminum ore	0	0	0	---	---
4680 non-ferrous scrap	0	0	0	---	---
4690 non-ferrous ores nec	1	0	0	---	---
Subtotal sulphur, clay and salt	1	0	1	---	---
4741 sulphur, (dry)	0	---	0	---	---
4782 clay & refrac. mat.	1	0	1	---	---
Subtotal other non-metal. min.	2	1	2	---	---
4900 non-metal. min. nec	2	1	2	---	---

BUTTERMILK CHANNEL, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian	Domestic
		Imports*	Exports*	Exports	Internal
					Inbound
					Upbound
Total primary manufactured goods	194	163	31	0	---
Subtotal paper products	16	2	14	---	---
5110 newsprint	0	0	0	---	---
5120 paper & paperboard	13	1	12	---	---
5190 paper products nec	3	1	3	---	---
Subtotal lime, cement and glass	146	144	2	0	---
5220 cement & concrete	105	105	0	---	---
5240 glass & glass prod.	3	3	1	---	---
5290 misc. mineral prod.	37	36	1	0	---
Subtotal primary iron and steel products	9	7	2	---	---
5312 pig iron	0	0	0	---	---
5315 ferro alloys	5	5	0	---	---
5320 i&s primary forms	0	0	---	---	---
5330 i&s plates & sheets	1	1	0	---	---
5360 i&s bars & shapes	1	0	0	---	---
5370 i&s pipe & tube	1	1	1	---	---
5390 primary i&s nec	1	1	0	---	---
Subtotal primary non-ferrous metal products	19	6	12	---	---
5421 copper	1	1	0	---	---
5422 aluminum	7	1	7	---	---
5429 smelted prod. nec	1	1	1	---	---
5480 fab. metal products	9	4	5	---	---
Subtotal primary wood products	4	4	0	---	---
5540 primary wood prod.	4	4	0	---	---
Total food and farm products	184	149	35	0	---
Subtotal fish	3	3	0	---	---
6134 fish (not shellfish)	3	2	0	---	---
6136 shellfish	1	1	0	---	---
Subtotal grain	3	3	0	---	---
6241 wheat	0	0	0	---	---
6344 corn	2	2	0	---	---
6442 rice	0	0	0	---	---
Subtotal oilseeds	4	4	0	---	---
6521 peanuts	2	2	---	---	---
6590 oilseeds nec	1	1	0	---	---
Subtotal vegetable products	19	12	6	0	---
6653 vegetable oils	3	1	2	0	---
6654 vegetables & prod.	15	11	5	0	---
Subtotal processed grain and animal feed	14	3	11	0	---
6746 wheat flour	1	0	1	---	---
6747 grain mill products	9	3	6	0	---
6781 hay & fodder	0	---	0	---	---
6782 animal feed, prep.	4	0	4	0	---
Subtotal other agricultural products	141	124	17	0	---
6811 meat, fresh, frozen	3	2	1	---	---
6817 meat, prepared	3	3	0	---	---
6822 dairy products	4	3	2	---	---
6835 fish, prepared	1	1	0	---	---
6838 tallow, animal oils	0	0	0	---	---
6839 animals & prod. nec	4	4	0	---	---
6857 fruit & nuts nec	6	6	0	---	---
6858 fruit juices	18	17	0	---	---
6861 sugar	0	0	---	---	---
6871 coffee	22	21	0	---	---
6872 cocoa beans	29	28	1	---	---
6885 alcoholic beverages	18	14	5	---	---
6888 water & ice	4	4	0	---	---
6889 food products nec	21	18	4	0	---
6891 tobacco & products	4	3	1	---	---
6893 cotton	2	1	0	---	---
6894 natural fibers nec	0	---	0	---	---
6899 farm products nec	2	0	2	---	---
Total all manufactured equipment, machinery and products	113	37	75	0	---
7110 machinery (not elec)	21	6	15	0	---
7120 electrical machinery	10	3	8	0	---
7210 vehicles & parts	12	2	9	0	---
7220 aircraft & parts	0	0	0	---	---
7230 ships & boats	1	---	1	---	---
7300 ordnance & access.	0	0	0	---	---
7400 manufac. wood prod.	2	1	0	---	---
7500 textile products	36	7	29	0	---
7600 rubber & plastic pr.	10	5	4	0	---
7900 manufac. prod. nec	21	13	8	0	---
Total unknown or not elsewhere classified	7	3	4	0	---
9900 unknown or nec	7	3	4	0	---
Ton-miles (x1000)	1,293	768	420	1	103
Tons All Traffic (x1000)	32,160				
Ton-miles All Traffic (x1000)	95,833				

*Does not include 31,513 (x1000) tons of through traffic

*Includes 65 (x1000) tons of foreign inbound in-transits; Includes 49 (x1000) tons of foreign outbound in-transits.

BAY RIDGE AND RED HOOK CHANNELS, NY (INCLUDED IN PORT OF NEW YORK)

Section Included: From Narrows to Buttermilk Channel. Controlling Depth: 40 feet from Narrows to 69th Street Pier, Brooklyn; balance of waterway ranges from 38 to 37 feet. Project Depth: 40 feet. All at mean low water. Project Length: 4 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,281	1991	3,463	1994	3,069	1997	2,809
1989	2,945	1992	2,977	1995	2,678		
1990	3,541	1993	2,853	1996	3,656		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total*	Foreign		Canadian Imports
		Imports*	Exports*	
Total, all commodities	335	282	25	28
Total petroleum and petroleum products	29	0	0	28
Subtotal petroleum products	29	0	0	28
2211 gasoline	28	—	—	28
2350 lube oil & greases	0	0	0	—
2410 petro. jelly & waxes	0	0	0	—
2429 naphtha & solvents	0	—	0	—
2540 petroleum coke	0	—	0	—
Total chemicals and related products	18	12	6	—
Subtotal fertilizers	0	0	—	—
3130 potassic fert.	0	0	—	—
Subtotal other chemicals and related products	18	12	6	—
3219 other hydrocarbons	0	0	—	—
3220 alcohols	1	1	0	—
3230 carboxylic acids	1	1	0	—
3240 nitrogen func. comp.	1	1	0	—
3250 organo-inorganic comp.	1	0	0	—
3260 organic comp. nec	0	0	0	—
3274 sodium hydroxide	0	0	0	—
3275 inorg. elem., oxides, & halogen salts	1	1	0	—
3276 metallic salts	1	1	0	—
3279 inorganic chem. nec	0	0	0	—
3282 pigments & paints	1	1	0	—
3283 coloring mat. nec	1	1	0	—
3284 medicines	0	0	0	—
3285 perfumes & cleansers	1	1	1	—
3286 plastics	5	2	3	—
3291 pesticides	0	0	0	—
3292 starches, gluten, glue	1	1	0	—
3293 explosives	0	0	0	—
3297 chemical additives	0	0	0	—
3298 wood & resin chem.	0	0	0	—
3299 chem. products nec	1	1	0	—
Total crude materials, inedible except fuels	8	6	2	0
Subtotal forest products, wood and chips	4	4	0	—
4110 rubber & gums	0	0	0	—
4170 wood in the rough	0	—	0	—
4189 lumber	3	3	—	—
4190 forest products nec	1	1	0	—
Subtotal pulp and waste paper	1	0	1	—
4225 pulp & waste paper	1	0	1	—
Subtotal soil, sand, gravel, rock and stone	0	0	0	—
4310 building stone	0	0	—	—
4323 gypsum	0	—	0	—
4331 sand & gravel	0	—	0	—
Subtotal iron ore and scrap	0	—	—	0
4410 iron ore	0	—	—	0
Subtotal marine shells	0	0	—	—
4515 marine shells	0	0	—	—
Subtotal non-ferrous ores and scrap	0	0	0	—
4650 aluminum ore	0	0	—	—
4680 non-ferrous scrap	0	0	0	—
4690 non-ferrous ores nec	0	0	0	—
Subtotal sulphur, clay and salt	0	0	0	—
4782 clay & refrac. mat.	0	0	0	—
Subtotal slag	0	—	0	—
4860 slag	0	—	0	—
Subtotal other non-metal. min.	2	2	0	—
4900 non-metal. min. nec	2	2	0	—
Total primary manufactured goods	155	152	3	0
Subtotal paper products	5	4	2	—
5120 paper & paperboard	4	3	1	—
5190 paper products nec	1	1	1	—
Subtotal lime, cement and glass	135	135	0	0
5220 cement & concrete	101	101	—	—
5240 glass & glass prod.	2	2	0	—
5290 misc. mineral prod.	32	32	0	0
Subtotal primary iron and steel products	6	6	0	—
5312 pig iron	0	0	0	—
5315 ferro alloys	2	2	—	—
5320 i&s primary forms	0	0	0	—
5330 i&s plates & sheets	0	0	0	—
5360 i&s bars & shapes	4	4	—	—
5370 i&s pipe & tube	0	0	—	—
5390 primary i&s nec	1	1	—	—

BAY RIDGE AND RED HOOK CHANNELS, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian
		Imports*	Exports*	Imports
Subtotal primary non-ferrous metal products	5	4	1	0
5421 copper	1	1	—	—
5422 aluminum	1	0	1	—
5429 smelted prod. nec	0	0	0	—
5480 fab. metal products	3	3	0	0
Subtotal primary wood products	3	3	0	—
5540 primary wood prod.	3	3	0	—
Total food and farm products	87	84	3	0
Subtotal fish	2	2	—	—
6134 fish (not shellfish)	1	1	—	—
6136 shellfish	0	0	—	—
Subtotal grain	0	0	—	—
6344 corn	0	0	—	—
6442 rice	0	0	—	—
6445 oats	0	0	—	—
Subtotal oilseeds	3	3	—	—
6521 peanuts	3	3	—	—
6590 oilseeds nec	1	1	—	—
Subtotal vegetable products	7	6	1	—
6653 vegetable oils	1	0	1	—
6654 vegetables & prod.	6	6	1	—
Subtotal processed grain and animal feed	2	1	1	—
6747 grain mill products	1	1	0	—
6781 hay & fodder	0	—	0	—
6782 animal feed, prep.	0	0	0	—
Subtotal other agricultural products	73	71	1	0
6811 meat, fresh, frozen	1	1	0	—
6817 meat, prepared	1	1	—	—
6822 dairy products	2	2	0	—
6835 fish, prepared	1	1	—	—
6838 tallow, animal oils	0	0	—	—
6839 animals & prod. nec	1	1	0	—
6856 bananas & plantains	0	0	—	—
6857 fruit & nuts nec	4	4	0	—
6858 fruit juices	6	5	0	—
6861 sugar	0	0	—	—
6871 coffee	6	6	—	—
6872 cocoa beans	31	31	0	—
6885 alcoholic beverages	10	9	0	—
6888 water & ice	1	1	—	—
6889 food products nec	7	7	0	0
6891 tobacco & products	1	1	0	—
6893 cotton	1	1	—	—
6894 natural fibers nec	0	0	—	—
6899 farm products nec	0	0	0	—
Total all manufactured equipment, machinery and products	37	26	10	—
7110 machinery (not elec)	7	4	2	—
7120 electrical machinery	2	1	1	—
7210 vehicles & parts	4	2	2	—
7220 aircraft & parts	0	—	0	—
7230 ships & boats	0	0	0	—
7300 ordnance & access.	0	0	0	—
7400 manufac. wood prod.	1	1	—	—
7500 textile products	12	8	4	—
7600 rubber & plastic pr.	3	2	1	—
7900 manufac. prod. nec	9	8	1	—
Total unknown or not elsewhere classified	2	2	0	—
9900 unknown or nec	2	2	0	—
Ton-miles (x1000) Foreign & Canadian	1,055	905	94	56

Commodity	Total*	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound		Outbound	
				Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	184	1	1	14	1	2	165
Total petroleum and petroleum products	17	—	—	13	1	2	—
Subtotal petroleum products	17	—	—	13	1	2	—
2221 kerosene	13	—	—	9	1	2	—
2330 distillate fuel oil	0	—	—	0	—	—	—
2340 residual fuel oil	3	—	—	3	—	—	—
2350 lube oil & greases	0	—	—	0	—	—	—
Total crude materials, inedible except fuels	2	1	—	1	—	—	0
Subtotal forest products, wood and chips	1	—	—	1	—	—	0
4170 wood in the rough	1	—	—	1	—	—	0
Subtotal soil, sand, gravel, rock and stone	1	1	—	—	—	—	—
4331 sand & gravel	1	1	—	—	—	—	—

BAY RIDGE AND RED HOOK CHANNELS, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total*	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound		Outbound	
				Upbound	Downbnd	Upbound	Downbnd
Total food and farm products	4	---	---	---	---	---	4
Subtotal other agricultural products	4	---	---	---	---	---	4
6889 food products nec	4	---	---	---	---	---	4
Total all manufactured equipment, machinery and products	162	---	1	---	---	---	161
7900 manufac. prod. nec	162	---	1	---	---	---	161
Ton-miles (x1000) Domestic	542	3	3	38	1	2	495
Tons All Traffic (x1000)	2,809						
Ton-miles All Traffic (x1000)	8,467						

*Does not include 2,290 (x1000) tons of through traffic

*Includes 22 (x1000) tons of foreign inbound in-transits; Includes 4 (x1000) tons of foreign outbound in-transits.

GOWANUS CREEK CHANNEL, NY (INCLUDED IN PORT OF NEW YORK)

Section Included: From 28th street to Hamilton Avenue Bridge. Controlling Depth: 28.2 feet from entrance to Percival Street, thence 23 feet to Sigourney Street; thence 10 feet to Hamilton Ave.; 27 feet in Branch Channel in Henry St. Basin. Project Depth: 30 feet and 18 feet, all at mean low water. Project Length: 0.8 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	2,210	1991	2,195	1994	2,490	1997	2,293
1989	3,669	1992	2,175	1995	2,230		
1990	2,421	1993	2,303	1996	2,649		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic			
		Imports	Exports	Total	Coastwise Receipts	Internal	
						Inbound Upbound	Outbound Downbnd
Total, all commodities	1,849	72	5	1,771	191	928	653
Total petroleum and petroleum products	850	---	---	850	182	651	16
Subtotal petroleum products	850	---	---	850	182	651	16
2211 gasoline	3	---	---	3	---	3	0
2221 kerosene	26	---	---	26	---	25	1
2330 distillate fuel oil	425	---	---	425	---	425	---
2340 residual fuel oil	395	---	---	395	182	198	15
Total chemicals and related products	2	---	2	---	---	---	---
Subtotal fertilizers	2	---	2	---	---	---	---
3190 fert. & mixes nec	2	---	2	---	---	---	---
Subtotal other chemicals and related products	0	---	0	---	---	---	---
3275 inorg. elem. oxides, & halogen salts	0	---	0	---	---	---	---
3276 metallic salts	0	---	0	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---
3286 plastics	0	---	0	---	---	---	---
3291 pesticides	0	---	0	---	---	---	---
Total crude materials, inedible except fuels	287	---	1	285	9	277	---
Subtotal forest products, wood and chips	1	---	1	---	---	---	---
4189 lumber	1	---	1	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	285	---	---	285	9	277	---
4310 building stone	1	---	---	1	---	1	---
4331 sand & gravel	284	---	---	284	9	276	---
Subtotal non-ferrous ores and scrap	0	---	0	---	---	---	---
4690 non-ferrous ores nec	0	---	0	---	---	---	---
Total primary manufactured goods	72	72	0	---	---	---	---
Subtotal paper products	0	---	0	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---
Subtotal lime, cement and glass	72	72	0	---	---	---	---
5220 cement & concrete	72	72	---	---	---	---	---
5240 glass & glass prod.	0	---	0	---	---	---	---
5290 misc. mineral prod.	0	---	0	---	---	---	---
Subtotal primary iron and steel products	0	---	0	---	---	---	---
5330 i&s plates & sheets	0	---	0	---	---	---	---
5370 i&s pipe & tube	0	---	0	---	---	---	---

GOWANUS CREEK CHANNEL, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic			
		Imports	Exports	Total	Coastwise	Internal	
						Receipts	Inbound Upbound
Total food and farm products	1	---	1	---	---	---	---
Subtotal grain	0	---	0	---	---	---	---
6442 rice	0	---	0	---	---	---	---
Subtotal processed grain and animal feed	0	---	0	---	---	---	---
6747 grain mill products	0	---	0	---	---	---	---
Subtotal other agricultural products	1	---	1	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	1	---	1	---	---	---	---
7110 machinery (not elec)	0	---	0	---	---	---	---
7120 electrical machinery	0	---	0	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---
7400 manufac. wood prod.	0	---	0	---	---	---	---
7500 textile products	0	---	0	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---
7900 manufac. prod. nec	0	---	0	---	---	---	---
Total waste and scrap nec	636	---	---	636	---	---	636
8900 waste and scrap nec	636	---	---	636	---	---	636
Total unknown or not elsewhere classified	0	---	0	---	---	---	---
9900 unknown or nec	0	---	0	---	---	---	---
Ton-miles (x1000)	1,849	72	5	2,216	191	928	653
Tons All Traffic (x1000)	2,293						
Ton-miles All Traffic (x1000)	2,293						

*Does not include 445 (x1000) tons of through traffic

CONEY ISLAND CHANNEL, NY (INCLUDED IN PORT OF NEW YORK)

Section Included: From Norton Point Southeast to deep water. Controlling Depth: 16 feet. Project Depth: 20 feet. All at mean low water. Project Length: About 1.3 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,502	1991	995	1994	493	1997	775
1989	1,566	1992	689	1995	634		
1990	1,138	1993	266	1996	774		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal
		Through Downbnd
Total, all commodities	775	775
Total petroleum and petroleum products	535	535
Subtotal petroleum products	535	535
2211 gasoline	409	409
2330 distillate fuel oil	127	127
Total crude materials, inedible except fuels	240	240
Subtotal soil, sand, gravel, rock and stone	240	240
4331 sand & gravel	240	240
Ton-miles (x1000)	775	775
Tons All Traffic (x1000)	775	
Ton-miles All Traffic (x1000)	775	

EAST ROCKAWAY INLET, NY (DEBS INLET) (INCLUDED IN PORT OF NEW YORK)

Section Included: A channel from deep water in the Atlantic Ocean to a 12-foot depth inside East Rockaway Inlet. Controlling Depth: 12 feet in channel. Project Depth: 12 feet. All at mean low water. Project Length: 1.0 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,011	1991	1,338	1994	934	1997	714
1989	1,111	1992	962	1995	827		
1990	1,866	1993	954	1996	834		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Through	Upbound
Total, all commodities	714	714	
Total petroleum and petroleum products	714	714	
Subtotal petroleum products	714	714	
2211 gasoline	383	383	
2221 kerosene	37	37	
2330 distillate fuel oil	268	268	
2340 residual fuel oil	25	25	
Ton-miles (x1000)	714	714	
Tons All Traffic (x1000)	714		
Ton-miles All Traffic (x1000)	714		

JAMAICA BAY, NY (INCLUDED IN PORT OF NEW YORK)

Section Included: Entire Bay. Controlling Depth: Entrance Channel 20 feet from Atlantic Ocean to Rockaway Point, thence 18 feet to Barren Island. Branch Channels range from 12 to 18 feet. Project Depth: 23, 20 and 12 feet. All at mean low water. Project Length: 19.5 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,511	1991	1,019	1994	781	1997	934
1989	1,614	1992	1,025	1995	789		
1990	1,138	1993	601	1996	993		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic	
		Coastwise Receipts	Internal Inbound Upbound
Total, all commodities	934	8	925
Total petroleum and petroleum products	604	3	601
Subtotal petroleum products	604	3	601
2211 gasoline	475	3	472
2330 distillate fuel oil	129	—	129
Total crude materials, inedible except fuels	330	5	325
Subtotal soil, sand, gravel, rock and stone	330	5	325
4331 sand & gravel	330	5	325
Ton-miles (x1000)	10,863	118	10,746
Tons All Traffic (x1000)	934		
Ton-miles All Traffic (x1000)	10,863		

RARITAN RIVER, NJ (INCLUDED IN PORT OF NEW YORK)

Section Included: From deep water in Raritan Bay to New Brunswick. Controlling Depth: Main Channel, 18 to 21 feet from NY and NJ Channels to junction of South Channel; balance of waterway ranges from 1 to 25 feet. Project Depth: 25, 15 and 10 feet in Main Channel; 25, 15 and 10 feet in South Channel. All at mean low water. Project Length: 13.8 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	2,603	1991	3,773	1994	2,274	1997	2,409
1989	3,424	1992	2,520	1995	2,236		
1990	4,542	1993	2,033	1996	2,348		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Upbound	Downbnd
Total, all commodities	2,409	4	850	765	382	409
Total petroleum and petroleum products	1,533	4	356	765	---	409
Subtotal crude petroleum	8	---	---	8	---	---
2100 crude petroleum	8	---	---	8	---	---
Subtotal petroleum products	1,525	4	356	756	---	409
2211 gasoline	234	---	112	104	---	17
2221 kerosene	42	---	---	28	---	15
2330 distillate fuel oil	944	---	244	440	---	261
2340 residual fuel oil	305	4	---	185	---	116
Total crude materials, inedible except fuels	876	---	495	---	382	---
Subtotal soil, sand, gravel, rock and stone	876	---	495	---	382	---
4331 sand & gravel	876	---	495	---	382	---
Ton-miles (x1000)	1,885	11	356	1,084	0	434
Tons All Traffic (x1000)	2,409					
Ton-miles All Traffic (x1000)	1,885					

UPPER BAY, NEW YORK HARBOR, NY AND NJ (INCLUDED IN PORT OF NEW YORK)

Section Included: From the Narrows to junction of Hudson and East River. Controlling Depth: Anchorage Channel 45 feet; channel along NJ. Pierhead line 19.5 feet; Red Hook Flats Anchorage, 35 feet and 45 feet; Liberty Island Anchorage 20 feet. Project Depth and Project Length: Anchorage Channel 45 feet, 5.7 miles; channel along New Jersey Pierhead line, 20 feet, 3 miles; Red Hook Flats Anchorage, 35 and 45 feet; Liberty (Bedloe) Island Anchorage 20 feet. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	138,410	1991	103,795	1994	98,688	1997	117,364
1989	131,133	1992	92,575	1995	92,593		
1990	113,015	1993	99,787	1996	115,137		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	28,279	22,911	2,199	3,117	52
Total coal	281	280	0	---	---
1100 coal lignite	281	280	0	---	---
1200 coal coke	0	---	0	---	---
Total petroleum and petroleum products	21,672	18,614	32	3,026	---
Subtotal crude petroleum	7,854	5,698	0	2,156	---
2100 crude petroleum	7,854	5,698	0	2,156	---
Subtotal petroleum products	13,818	12,916	32	870	---
2211 gasoline	5,272	5,191	---	81	---
2221 kerosene	110	66	0	44	---
2330 distillate fuel oil	2,569	2,288	9	273	---
2340 residual fuel oil	5,112	4,864	3	245	---
2350 lube oil & greases	15	0	15	---	---
2410 petro. jelly & waxes	6	4	2	---	---
2429 naphtha & solvents	698	482	1	216	---
2430 asphalt, tar & pitch	0	0	0	---	---
2540 petroleum coke	27	13	1	13	---
2640 liquid natural gas	7	7	0	---	---
Total chemicals and related products	931	637	284	9	0
Subtotal fertilizers	33	12	21	---	0
3110 nitrogenous fert.	0	0	0	---	---
3120 phosphatic fert.	0	---	---	---	0
3130 potassic fert.	1	0	0	---	---

UPPER BAY, NEW YORK HARBOR, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
3190 fert. & mixes nec	32	11	21	—	—
Subtotal other chemicals and related products	898	626	263	9	0
3211 acyclic hydrocarbons	3	3	0	—	—
3212 benzene & toluene	0	—	0	—	0
3219 other hydrocarbons	13	5	8	—	—
3220 alcohols	89	67	14	8	—
3230 carboxylic acids	35	29	6	—	0
3240 nitrogen func. comp.	32	12	20	—	—
3250 organo-inorganic comp.	12	9	3	0	—
3260 organic comp. nec	284	280	4	—	—
3271 sulphur (liquid)	0	—	0	—	—
3272 sulphuric acid	0	—	0	—	—
3273 ammonia	1	—	1	—	—
3274 sodium hydroxide	26	25	1	—	—
3275 inorg. elem. oxides, & halogen salts	20	12	8	—	—
3276 metallic salts	36	31	5	—	0
3279 inorganic chem. nec	2	1	1	—	—
3281 radioactive material	1	0	0	—	—
3282 pigments & paints	23	8	15	—	—
3283 coloring mat. nec	9	6	3	—	—
3284 medicines	10	6	5	0	—
3285 perfumes & cleansers	43	16	27	0	—
3286 plastics	159	78	81	—	0
3291 pesticides	2	1	1	—	0
3292 starches, gluten, glue	23	16	6	—	—
3293 explosives	0	0	0	—	0
3297 chemical additives	40	4	37	—	—
3298 wood & resin chem.	2	1	1	—	—
3299 chem. products nec	30	17	13	0	—
Total crude materials, inedible except fuels	1,682	474	1,082	75	51
Subtotal forest products, wood and chips	163	38	106	19	0
4110 rubber & gums	1	1	0	—	—
4150 fuel wood	4	0	4	—	—
4161 wood chips	0	—	0	—	—
4170 wood in the rough	13	0	13	—	—
4189 lumber	108	6	83	19	0
4190 forest products nec	36	31	5	—	—
Subtotal pulp and waste paper	229	3	226	—	—
4225 pulp & waste paper	229	3	226	—	—
Subtotal soil, sand, gravel, rock and stone	97	24	17	56	—
4310 building stone	2	1	0	—	—
4322 limestone	1	—	—	—	—
4323 gypsum	21	21	0	—	—
4327 phosphate rock	3	0	3	—	—
4331 sand & gravel	70	1	14	56	—
Subtotal iron ore and scrap	687	0	687	—	—
4410 iron ore	1	—	1	—	—
4420 iron & steel scrap	686	0	686	—	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	43	19	24	0	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	13	12	1	—	—
4670 manganese ore	3	0	3	—	—
4680 non-ferrous scrap	25	7	18	0	—
4690 non-ferrous ores nec	3	1	2	—	—
Subtotal sulphur, clay and salt	12	2	9	—	1
4741 sulphur, (dry)	0	0	0	—	—
4782 clay & refrac. mat.	11	1	9	—	1
Subtotal slag	0	—	0	—	—
4860 slag	0	—	0	—	—
Subtotal other non-metal. min.	452	388	14	—	50
4900 non-metal. min. nec	452	388	14	—	50
Total primary manufactured goods	916	702	209	5	0
Subtotal paper products	132	51	81	0	—
5110 newsprint	10	0	9	—	—
5120 paper & paperboard	93	43	50	0	—
5190 paper products nec	30	8	22	0	—
Subtotal lime, cement and glass	450	405	40	4	0
5210 lime	0	0	—	—	—
5220 cement & concrete	188	181	8	—	—
5240 glass & glass prod.	71	58	13	0	—
5290 misc. mineral prod.	190	166	20	4	0
Subtotal primary iron and steel products	109	81	27	0	—
5312 pig iron	32	25	6	—	—
5315 ferro alloys	2	2	0	0	—
5320 i&s primary forms	2	1	1	—	—
5330 i&s plates & sheets	29	14	15	—	—
5360 i&s bars & shapes	21	18	3	—	—
5370 i&s pipe & tube	9	7	2	—	—
5390 primary i&s nec	15	14	0	—	—
Subtotal primary non-ferrous metal products	197	149	48	0	0
5421 copper	31	28	4	—	—
5422 aluminum	31	12	19	—	—
5429 smelted prod. nec	18	13	5	0	—
5480 fab. metal products	117	97	20	0	0
Subtotal primary wood products	28	15	13	—	—
5540 primary wood prod.	28	15	13	—	—
Total food and farm products	1,524	1,285	237	2	0
Subtotal fish	34	28	6	1	—
6134 fish (not shellfish)	27	22	4	0	—
6136 shellfish	7	5	1	0	—

UPPER BAY, NEW YORK HARBOR, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Subtotal grain	20	14	6	---	---
6241 wheat	2	0	2	---	---
6344 corn	4	1	3	---	---
6442 rice	14	14	0	---	---
6443 barley & rye	0	0	0	---	---
6445 oats	0	---	0	---	---
6447 sorghum grains	0	0	---	---	---
Subtotal oilseeds	13	11	2	---	---
6521 peanuts	0	0	0	---	---
6522 soybeans	1	0	1	---	---
6534 flaxseed	0	---	0	---	---
6590 oilseeds nec	11	11	0	---	---
Subtotal vegetable products	242	214	27	0	0
6653 vegetable oils	121	116	5	---	0
6654 vegetables & prod.	121	98	22	0	0
Subtotal processed grain and animal feed	97	62	35	---	0
6746 wheat flour	1	0	1	---	---
6747 grain mill products	74	57	17	---	0
6781 hay & fodder	3	---	3	---	---
6782 animal feed, prep.	18	5	13	---	---
Subtotal other agricultural products	1,119	956	163	1	0
6811 meat, fresh, frozen	24	3	21	0	---
6817 meat, prepared	9	7	1	0	---
6822 dairy products	33	27	6	0	---
6835 fish, prepared	14	13	1	0	---
6838 tallow, animal oils	28	1	27	0	---
6839 animals & prod. nec	32	9	23	0	---
6856 bananas & plantains	9	9	0	---	---
6857 fruit & nuts nec	46	30	16	---	---
6858 fruit juices	104	93	12	---	---
6861 sugar	402	400	2	---	0
6865 molasses	0	0	0	---	---
6871 coffee	38	36	1	---	---
6872 cocoa beans	41	40	1	---	---
6885 alcoholic beverages	169	162	7	0	---
6888 water & ice	35	35	0	---	---
6889 food products nec	110	77	33	0	0
6891 tobacco & products	8	4	4	---	---
6893 cotton	1	0	1	---	---
6894 natural fibers nec	4	4	0	---	---
6899 farm products nec	10	5	5	---	---
Total all manufactured equipment, machinery and products	1,245	902	341	1	0
7110 machinery (not elec)	160	91	68	0	0
7120 electrical machinery	109	68	40	0	0
7210 vehicles & parts	318	248	70	0	---
7220 aircraft & parts	1	0	1	---	---
7230 ships & boats	8	0	8	0	---
7300 ordnance & access.	7	1	6	---	---
7400 manufac. wood prod.	22	13	9	---	---
7500 textile products	210	160	49	1	0
7600 rubber & plastic pr.	103	73	29	0	0
7900 manufac. prod. nec	307	247	60	0	0
Total unknown or not elsewhere classified	29	16	13	0	0
9900 unknown or nec	29	16	13	0	0
Ton-miles (x1000)	88,100	71,215	7,376	9,352	158
Foreign & Canadian					

Commodity	Total*	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound		Outbound		Intra
				Upbound	Downbnd	Upbound	Downbnd	Upbound
Total, all commodities	8,202	1,085	1,044	176	1,037	4,667	167	24
Total petroleum and petroleum products	7,315	963	918	4	692	4,550	167	22
Subtotal crude petroleum	335	---	16	---	---	319	---	---
2100 crude petroleum	335	---	16	---	---	319	---	---
Subtotal petroleum products	6,980	963	902	4	692	4,231	167	22
2211 gasoline	2,091	149	255	---	163	1,515	8	---
2221 kerosene	77	4	2	---	---	71	---	---
2330 distillate fuel oil	2,233	775	117	0	34	1,174	130	1
2340 residual fuel oil	2,458	20	481	3	464	1,441	28	21
2350 lube oil & greases	5	---	---	---	5	---	---	---
2429 naphtha & solvents	101	---	46	---	26	29	---	---
2430 asphalt, tar & pitch	4	3	---	---	---	1	---	---
2990 petro. products nec	12	12	---	---	---	---	---	---
Total chemicals and related products	193	68	11	---	---	113	---	1
Subtotal other chemicals and related products	193	68	11	---	---	113	---	1
3212 benzene & toluene	10	8	---	---	---	1	---	---
3274 sodium hydroxide	9	---	---	---	---	9	---	---
3297 chemical additives	172	60	11	---	---	102	---	---
3299 chem. products nec	1	---	---	---	---	---	---	1

UPPER BAY, NEW YORK HARBOR, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total*	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound		Outbound		Intra
			Upbound	Downbnd	Upbound	Downbnd	Upbound	
Total crude materials, inedible except fuels	471	39	84	7	340	—	1	—
Subtotal forest products, wood and chips	1	—	—	—	1	—	—	—
4170 wood in the rough	1	—	—	—	1	—	—	—
Subtotal iron ore and scrap	470	39	84	7	339	—	1	—
4420 iron & steel scrap	470	39	84	7	339	—	1	—
Total food and farm products	14	—	—	4	6	4	—	—
Subtotal vegetable products	4	—	—	—	—	4	—	—
6653 vegetable oils	4	—	—	—	—	4	—	—
Subtotal other agricultural products	9	—	—	4	6	—	—	—
6889 food products nec	9	—	—	4	6	—	—	—
Total all manufactured equipment, machinery and products	209	16	31	161	—	—	—	1
7900 manufac. prod. nec	209	16	31	161	—	—	—	1
Ton-miles (x1000) Domestic	18,687	2,227	3,350	168	1,528	11,070	319	24
Tons All Traffic (x1000)			117,364					
Ton-miles All Traffic (x1000)			359,073					

*Does not include 80,883 (x1000) tons of through traffic

*Includes 394 (x1000) tons of foreign inbound in-transits; Includes 116 (x1000) tons of foreign outbound in-transits; Includes 217 (x1000) tons of Canadian inbound in-transits.

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)

Section Included: Entire Bay. Controlling Depth: 35 feet in Newark Bay, including Branch Channels at Port Newark and Port Elizabeth to a point 1,200 feet south of C. R. R. of NJ Bridge; balance of waterway ranges from 32 To 35 feet. Project Depth: 37 feet In rock and 35 feet in other material. All at mean low water. Project Length: About 4.7 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	23,808	1991	23,588	1994	24,124	1997	22,062
1989	26,559	1992	22,804	1995	24,214		
1990	27,640	1993	22,586	1996	21,379		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	14,557	8,879	5,390	279	9
Total coal	3	0	3	—	—
1100 coal lignite	3	0	3	—	—
1200 coal coke	0	0	0	—	—
Total petroleum and petroleum products	679	363	71	245	0
Subtotal crude petroleum	185	125	—	59	—
2100 crude petroleum	185	125	—	59	—
Subtotal petroleum products	494	238	71	186	0
2211 gasoline	71	60	1	11	—
2221 kerosene	1	0	1	—	—
2330 distillate fuel oil	127	105	1	20	—
2340 residual fuel oil	137	52	6	78	—
2350 lube oil & greases	35	4	31	—	0
2410 petro. jelly & waxes	20	14	6	—	—
2429 naphtha & solvents	81	0	5	77	—
2430 asphalt, tar & pitch	3	2	1	—	—
2540 petroleum coke	15	0	15	—	—
2640 liquid natural gas	3	0	3	—	—
Total chemicals and related products	1,713	931	780	1	1
Subtotal fertilizers	16	3	13	0	—
3110 nitrogenous fert.	2	1	2	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	1	1	0	—	—
3190 fert. & mixes nec	12	1	11	0	—
Subtotal other chemicals and related products	1,698	929	767	1	1
3211 acyclic hydrocarbons	2	1	1	—	—
3212 benzene & toluene	2	0	2	—	—
3219 other hydrocarbons	54	21	33	—	—

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
3220 alcohols	94	63	32	0	0
3230 carboxylic acids	119	99	20	—	0
3240 nitrogen func. comp.	62	39	23	0	—
3250 organo-inorganic comp.	38	23	15	—	—
3260 organic comp. nec	109	95	14	0	—
3271 sulphur (liquid)	2	0	2	—	—
3272 sulphuric acid	4	0	4	—	—
3273 ammonia	9	—	9	—	—
3274 sodium hydroxide	19	12	7	—	—
3275 inorg. elem.,oxides, & halogen salts	100	56	43	—	0
3276 metallic salts	105	73	32	0	0
3279 inorganic chem. nec	9	4	5	—	—
3281 radioactive material	4	1	2	—	—
3282 pigments & paints	91	48	43	0	0
3283 coloring mat. nec	35	17	18	0	0
3284 medicines	39	21	19	0	0
3285 perfumes & cleansers	126	45	81	0	0
3286 plastics	423	187	235	0	0
3291 pesticides	13	5	8	—	0
3292 starches, gluten, glue	58	41	17	0	—
3293 explosives	1	1	1	—	0
3297 chemical additives	75	32	42	—	—
3298 wood & resin chem.	5	2	3	—	—
3299 chem. products nec	99	43	56	0	0
Total crude materials, inedible except fuels	2,430	534	1,896	0	0
Subtotal forest products, wood and chips	388	85	303	0	0
4110 rubber & gums	8	7	1	—	—
4150 fuel wood	3	1	2	—	—
4161 wood chips	5	—	5	—	—
4170 wood in the rough	64	2	62	—	—
4189 lumber	248	23	225	0	0
4190 forest products nec	60	52	8	0	—
Subtotal pulp and waste paper	695	13	682	—	—
4225 pulp & waste paper	695	13	682	—	—
Subtotal soil, sand, gravel, rock and stone	191	153	38	—	0
4310 building stone	3	3	0	—	0
4322 limestone	0	0	0	—	—
4323 gypsum	153	147	5	—	—
4327 phosphate rock	18	0	17	—	—
4331 sand & gravel	17	2	15	—	—
Subtotal iron ore and scrap	728	28	700	—	—
4410 iron ore	7	6	1	—	—
4420 iron & steel scrap	720	22	699	—	—
Subtotal marine shells	1	1	0	—	—
4515 marine shells	1	1	0	—	—
Subtotal non-ferrous ores and scrap	119	21	98	—	0
4630 copper ore	1	—	1	—	—
4650 aluminum ore	12	6	6	—	—
4670 manganese ore	10	—	10	—	—
4680 non-ferrous scrap	84	9	76	—	0
4690 non-ferrous ores nec	11	6	5	—	—
Subtotal sulphur, clay and salt	38	8	29	—	—
4741 sulphur, (dry)	7	—	7	—	—
4782 clay & refrac. mat.	31	8	23	—	—
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	271	226	46	—	0
4900 non-metal. min. nec	271	226	46	—	0
Total primary manufactured goods	2,457	1,836	612	8	1
Subtotal paper products	593	341	244	7	0
5110 newsprint	48	7	39	1	—
5120 paper & paperboard	460	311	143	6	0
5190 paper products nec	85	22	62	0	0
Subtotal lime, cement and glass	848	746	101	0	0
5210 lime	0	0	0	—	—
5220 cement & concrete	182	156	26	—	—
5240 glass & glass prod.	179	144	34	0	0
5290 misc. mineral prod.	487	446	41	0	0
Subtotal primary iron and steel products	398	302	95	0	0
5312 pig iron	161	145	16	—	—
5315 ferro alloys	8	6	1	—	—
5320 i&s primary forms	13	7	6	—	—
5330 i&s plates & sheets	85	29	55	0	0
5360 i&s bars & shapes	52	46	6	—	0
5370 i&s pipe & tube	32	25	7	—	0
5390 primary i&s nec	48	44	3	0	—
Subtotal primary non-ferrous metal products	514	393	120	1	0
5421 copper	83	73	10	0	0
5422 aluminum	62	33	28	0	0
5429 smelted prod. nec	57	45	12	0	0
5480 fab. metal products	312	242	70	0	0
Subtotal primary wood products	104	54	51	—	—
5540 primary wood prod.	104	54	51	—	—
Total food and farm products	3,947	2,964	960	18	4
Subtotal fish	127	85	37	5	0
6134 fish (not shellfish)	83	49	31	3	0
6136 shellfish	44	36	6	2	0
Subtotal grain	71	47	24	—	0
6241 wheat	1	0	1	—	—
6344 corn	21	1	20	—	—
6442 rice	46	45	1	—	0
6443 barley & rye	0	0	0	—	—

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
6445 oats	3	0	3	—	—
6447 sorghum grains	0	—	0	—	0
Subtotal oilseeds	96	31	66	0	—
6521 peanuts	5	4	1	0	—
6522 soybeans	63	0	62	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	28	26	2	—	—
Subtotal vegetable products	597	487	103	6	0
6653 vegetable oils	245	238	7	0	—
6654 vegetables & prod.	352	249	97	6	0
Subtotal processed grain and animal feed	385	200	184	0	1
6746 wheat flour	4	1	3	—	—
6747 grain mill products	231	181	50	0	0
6781 hay & fodder	5	0	5	—	—
6782 animal feed, prep.	144	18	125	—	1
Subtotal other agricultural products	2,671	2,115	546	7	3
6811 meat, fresh, frozen	115	21	94	0	0
6817 meat, prepared	36	32	4	0	—
6822 dairy products	112	91	20	0	0
6835 fish, prepared	57	47	9	2	—
6838 tallow, animal oils	41	3	37	0	2
6839 animals & prod. nec	50	20	29	1	—
6856 bananas & plantains	129	128	1	—	—
6857 fruit & nuts nec	210	114	95	1	0
6858 fruit juices	318	287	31	0	0
6861 sugar	53	46	6	—	1
6865 molasses	13	13	0	—	—
6871 coffee	123	117	6	—	—
6872 cocoa beans	128	125	3	—	—
6885 alcoholic beverages	760	707	53	0	0
6888 water & ice	90	89	1	—	—
6889 food products nec	331	222	109	0	0
6891 tobacco & products	32	11	21	—	—
6893 cotton	7	2	5	—	—
6894 natural fibers nec	7	6	0	—	—
6899 farm products nec	58	35	21	3	—
Total all manufactured equipment, machinery and products	3,234	2,213	1,013	6	3
7110 machinery (not elec)	556	340	215	1	0
7120 electrical machinery	322	200	122	0	0
7210 vehicles & parts	596	376	217	2	0
7220 aircraft & parts	7	2	6	—	—
7230 ships & boats	6	2	4	0	0
7300 ordnance & access.	18	3	15	—	—
7400 manufac. wood prod.	58	36	21	0	0
7500 textile products	523	396	126	1	1
7600 rubber & plastic pr.	284	189	94	1	0
7900 manufac. prod. nec	864	669	193	1	1
Total unknown or not elsewhere classified	94	38	56	0	0
9900 unknown or nec	94	38	56	0	0
Ton-miles (x1000) Foreign & Canadian	37,589	22,823	13,966	775	25

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	2,437	903	1,534
Total coal	0	—	0
1100 coal lignite	0	—	0
1200 coal coke	0	—	0
Total petroleum and petroleum products	117	56	62
Subtotal petroleum products	117	56	62
2221 kerosene	18	—	18
2330 distillate fuel oil	28	21	7
2340 residual fuel oil	68	34	33
2350 lube oil & greases	1	0	1
2410 petro. jelly & waxes	1	0	1
2429 naphtha & solvents	1	0	1
2430 asphalt, tar & pitch	1	0	0
2540 petroleum coke	0	—	0
2640 liquid natural gas	0	0	0
2990 petro. products nec	0	0	0
Total chemicals and related products	198	84	114
Subtotal fertilizers	1	0	1
3110 nitrogenous fert.	1	—	1
3120 phosphatic fert.	0	—	0
3130 potassic fert.	0	—	0
3190 fert. & mixes nec	0	0	0
Subtotal other chemicals and related products	197	84	113
3211 acyclic hydrocarbons	0	0	—
3212 benzene & toluene	0	—	0
3219 other hydrocarbons	1	—	1
3220 alcohols	12	6	6
3230 carboxylic acids	12	4	7
3240 nitrogen func. comp.	0	—	0
3250 organo-inorganic comp.	3	2	1
3260 organic comp. nec	5	2	4

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
3272 sulphuric acid	1	0	1
3273 ammonia	0	0	0
3274 sodium hydroxide	0	0	0
3275 inorg. elem., oxides, & halogen salts	3	1	2
3276 metallic salts	1	0	1
3279 inorganic chem. nec	0	0	0
3281 radioactive material	0	0	0
3282 pigments & paints	2	0	2
3283 coloring mat. nec	0	0	0
3284 medicines	54	36	18
3285 perfumes & cleansers	34	14	20
3286 plastics	17	2	15
3291 pesticides	4	0	4
3292 starches, gluten, glue	7	5	2
3293 explosives	0	0	0
3297 chemical additives	0	0	0
3298 wood & resin chem.	10	3	8
3299 chem. products nec	30	9	21
Total crude materials, inedible except fuels	187	4	184
Subtotal forest products, wood and chips	7	0	7
4110 rubber & gums	0	0	0
4150 fuel wood	0	0	0
4161 wood chips	0	0	0
4170 wood in the rough	0	0	0
4189 lumber	1	0	0
4190 forest products nec	5	0	5
Subtotal pulp and waste paper	5	1	4
4225 pulp & waste paper	5	1	4
Subtotal soil, sand, gravel, rock and stone	2	0	2
4310 building stone	0	0	0
4322 limestone	1	0	1
4323 gypsum	0	0	0
4327 phosphate rock	0	0	0
4331 sand & gravel	0	0	0
Subtotal iron ore and scrap	165	1	164
4420 iron & steel scrap	165	1	164
Subtotal marine shells	0	0	0
4515 marine shells	0	0	0
Subtotal non-ferrous ores and scrap	1	1	0
4630 copper ore	0	0	0
4650 aluminum ore	0	0	0
4680 non-ferrous scrap	1	1	0
4690 non-ferrous ores nec	0	0	0
Subtotal sulphur, clay and salt	0	0	0
4782 clay & refrac. mat.	0	0	0
Subtotal other non-metal. min.	7	0	7
4900 non-metal. min. nec	7	0	7
Total primary manufactured goods	267	47	220
Subtotal paper products	152	22	130
5110 newsprint	2	1	1
5120 paper & paperboard	132	18	115
5190 paper products nec	18	4	14
Subtotal lime, cement and glass	31	19	12
5220 cement & concrete	0	0	0
5240 glass & glass prod.	23	16	7
5290 misc. mineral prod.	8	3	5
Subtotal primary iron and steel products	23	2	21
5312 pig iron	0	0	0
5320 i&s primary forms	1	1	1
5330 i&s plates & sheets	3	1	2
5360 i&s bars & shapes	11	0	11
5370 i&s pipe & tube	2	0	2
5390 primary i&s nec	5	1	4
Subtotal primary non-ferrous metal products	60	4	57
5421 copper	2	1	1
5422 aluminum	3	1	3
5429 smelted prod. nec	4	0	4
5480 fab. metal products	50	2	48
Subtotal primary wood products	1	0	1
5540 primary wood prod.	1	0	1
Total food and farm products	460	192	268
Subtotal fish	5	2	3
6134 fish (not shellfish)	4	2	2
6136 shellfish	1	0	1
Subtotal grain	0	0	0
6241 wheat	0	0	0
6344 corn	0	0	0
6442 rice	0	0	0
6445 oats	0	0	0
Subtotal oilseeds	5	0	5
6521 peanuts	5	0	5
6522 soybeans	0	0	0
6590 oilseeds nec	0	0	0
Subtotal vegetable products	48	14	34
6653 vegetable oils	4	2	2
6654 vegetables & prod.	44	12	32
Subtotal processed grain and animal feed	24	15	9
6746 wheat flour	1	0	1
6747 grain mill products	20	15	5
6782 animal feed, prep.	4	0	3

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
Subtotal other agricultural products	378	161	217
6811 meat, fresh, frozen	11	1	10
6817 meat, prepared	18	0	18
6822 dairy products	12	4	8
6835 fish, prepared	5	5	1
6838 tallow, animal oils	0	—	0
6839 animals & prod. nec	5	0	4
6856 bananas & plantains	0	0	—
6857 fruit & nuts nec	69	48	20
6858 fruit juices	12	1	11
6861 sugar	1	0	1
6865 molasses	0	0	0
6871 coffee	2	1	1
6872 cocoa beans	12	11	1
6885 alcoholic beverages	131	56	75
6887 groceries	6	1	5
6888 water & ice	13	4	10
6889 food products nec	68	23	45
6891 tobacco & products	9	5	5
6893 cotton	0	0	0
6894 natural fibers nec	0	0	0
6899 farm products nec	2	1	1
Total all manufactured equipment, machinery and products	1,196	518	679
7110 machinery (not elec)	24	7	17
7120 electrical machinery	32	13	19
7210 vehicles & parts	27	2	25
7220 aircraft & parts	1	1	1
7230 ships & boats	0	—	0
7300 ordnance & access.	0	0	0
7400 manufac. wood prod.	3	1	3
7500 textile products	34	8	26
7600 rubber & plastic pr.	30	3	28
7800 empty containers	0	0	0
7900 manufac. prod. nec	1,044	483	561
Total waste and scrap nec	0	0	—
8900 waste and scrap nec	0	0	—
Total unknown or not elsewhere classified	9	2	8
9900 unknown or nec	9	2	8
Ton-miles (x1000)	3,974	1,516	2,458
Coastwise			

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,248	665	19	8	340	24	192
Total petroleum and petroleum products	1,223	659	19	8	326	24	186
Subtotal petroleum products	1,223	659	19	8	326	24	186
2211 gasoline	3	0	—	—	1	—	2
2221 kerosene	16	2	—	—	14	—	—
2330 distillate fuel oil	106	75	1	2	23	0	5
2340 residual fuel oil	1,088	572	18	6	289	24	179
2350 lube oil & greases	10	10	—	—	—	—	—
Total crude materials, inedible except fuels	8	1	—	—	7	—	—
Subtotal iron ore and scrap	8	1	—	—	7	—	—
4420 iron & steel scrap	8	1	—	—	7	—	—
Total food and farm products	17	5	—	—	6	—	6
Subtotal vegetable products	11	5	—	—	0	—	6
6653 vegetable oils	11	5	—	—	0	—	6
Subtotal other agricultural products	6	—	—	—	6	—	—
6889 food products nec	6	—	—	—	6	—	—
Total all manufactured equipment, machinery and products	0	—	—	—	—	0	—
7900 manufac. prod. nec	0	—	—	—	—	0	—
Ton-miles (x1000)	2,749	1,436	54	17	1,009	24	209
Internal							
Tons All Traffic (x1000)	22,062						
Ton-miles All Traffic (x1000)	63,414						

*Does not include 3,820 (x1000) tons of through traffic

*Includes 491 (x1000) tons of foreign inbound in-transits; Includes 495 (x1000) tons of foreign outbound in-transits;
Includes 97 (x1000) tons of Canadian inbound in-transits; Includes 0 (x1000) tons of Canadian outbound in-transits.

HACKENSACK RIVER, NJ (INCLUDED IN PORT OF NEW YORK)

Section Included: From mouth upstream to New York, Susquehanna & Western R. R. Bridge at Hackensack. Controlling Depth: 30 feet from the junction of Hackensack and Passaic Rivers to 300 feet south of Central Railroad of New Jersey Bridge; balance of waterway ranges from 10 to 30 feet. Project Depth: Channel, 34 feet in rock and 32 feet in other material with turning basin 25 feet deep at upper end of a point 2,000 feet above the Delaware, Lackawanna & Western R. R. Bridge at Marion-Jersey City, thence 15 feet to Hackensack. All at mean low water. Project Length: 16.5 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,916	1991	1,912	1994	1,305	1997	1,490
1989	2,504	1992	2,035	1995	1,269		
1990	2,584	1993	1,542	1996	1,254		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			Internal	
		Imports	Total	Coastwise		Upbound	Downbound	
				Receipts	Shipments			
Total, all commodities	1,490	13	1,477	1,051	38	384	3	
Total coal	951	---	951	951	---	---	---	
1100 coal lignite	951	---	951	951	---	---	---	
Total petroleum and petroleum products	426	13	414	100	---	311	3	
Subtotal petroleum products	426	13	414	100	---	311	3	
2211 gasoline	88	---	88	---	---	88	---	
2221 kerosene	3	---	3	---	---	3	---	
2330 distillate fuel oil	208	---	208	---	---	208	0	
2340 residual fuel oil	3	---	3	---	---	---	3	
2350 lube oil & greases	0	---	0	---	---	0	---	
2430 asphalt, tar & pitch	105	---	105	93	---	12	---	
2540 petroleum coke	19	13	7	7	---	---	---	
Total chemicals and related products	112	---	112	---	38	74	---	
Subtotal other chemicals and related products	112	---	112	---	38	74	---	
3274 sodium hydroxide	74	---	74	---	---	74	---	
3276 metallic salts	38	---	38	---	38	---	---	
Ton-miles (x1000)	8,622	50	8,572	4,205	76	4,283	8	
Tons All Traffic (x1000)	1,490							
Ton-miles All Traffic (x1000)	8,622							

PASSAIC RIVER, NJ (INCLUDED IN PORT OF NEW YORK)

Section Included: From mouth upstream to Gregory Avenue, Passaic. Controlling Depth: 15 feet from the junction of Hackensack and Passaic Rivers to C. R. R. of NJ Bridge; balance of waterway ranges, between 6 and 14 feet. Project Depth: 30, 20, 16 and 10 feet. All at mean low water. Project Length: About 15.4 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	6,820	1991	5,440	1994	3,780	1997	2,450
1989	7,296	1992	5,023	1995	3,586		
1990	7,116	1993	3,932	1996	3,386		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian Imports
		Imports	Exports	
Total, all commodities	141	107	3	31
Total petroleum and petroleum products	76	55	---	22
Subtotal petroleum products	76	55	---	22
2540 petroleum coke	76	55	---	22
Total chemicals and related products	9	---	---	9
Subtotal other chemicals and related products	9	---	---	9
3220 alcohols	9	---	---	9
Total crude materials, inedible except fuels	21	21	---	---
Subtotal other non-metal. min.	21	21	---	---
4900 non-metal. min. nec	21	21	---	---
Total food and farm products	34	31	3	---
Subtotal other agricultural products	34	31	3	---
6838 tallow, animal oils	3	---	3	---

PASSAIC RIVER, NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
6861 sugar	31	31	—	—
Ton-miles (x1000) Foreign & Canadian	282	214	7	62

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	2,309	118	129	1,665	385	6	7
Total petroleum and petroleum products	2,137	102	120	1,526	377	6	7
Subtotal petroleum products	2,137	102	120	1,526	377	6	7
2211 gasoline	1,168	15	31	1,048	71	—	3
2221 kerosene	150	2	30	57	60	1	—
2330 distillate fuel oil	673	26	56	396	189	4	2
2340 residual fuel oil	140	59	3	24	50	0	2
2350 lube oil & greases	7	—	—	0	7	—	—
Total chemicals and related products	37	13	9	8	7	—	—
Subtotal other chemicals and related products	37	13	9	8	7	—	—
3220 alcohols	16	13	3	—	—	—	—
3272 sulphuric acid	6	—	6	—	—	—	—
3297 chemical additives	15	—	—	8	7	—	—
Total primary manufactured goods	85	4	—	81	—	—	—
Subtotal lime, cement and glass	85	4	—	81	—	—	—
5220 cement & concrete	85	4	—	81	—	—	—
Total waste and scrap nec	50	—	—	50	—	—	—
8900 waste and scrap nec	50	—	—	50	—	—	—
Ton-miles (x1000) Domestic	3,566	310	166	2,407	665	6	12
Tons All Traffic (x1000)	2,450						
Ton-miles All Traffic (x1000)	3,848						

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ (INCLUDED IN PORT OF NEW YORK)

Section Included: From Main Ship Channel northwest of Sandy Hook through Lower New York Bay, Raritan Bay, Perth Amboy Anchorage, Arthur Kill and Kill Van Kull to upper New York Bay. Controlling Depth: 35 feet from a junction with Main Ship Channel to vicinity of Tottenville; 37 feet in Perth Amboy Anchorage; balance of waterway ranges from 20 to 35 feet. Project Depth: 37 feet in rock and 35 feet in soft material throughout, except in channel south of Shooters Island where the depth will be 30 feet. All at mean low water. Project Length: 30.8 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	105,530	1991	86,859	1994	91,559	1997	94,921
1989	101,078	1992	80,177	1995	90,557		
1990	96,268	1993	83,897	1996	92,797		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	10,374	7,602	512	2,251	9
Total coal	3	—	3	—	—
1100 coal lignite	2	—	2	—	—
1200 coal coke	2	—	2	—	—
Total petroleum and petroleum products	8,868	6,590	67	2,207	4
Subtotal crude petroleum	5,040	3,263	—	1,778	—
2100 crude petroleum	5,040	3,263	—	1,778	—
Subtotal petroleum products	3,828	3,328	67	429	4
2211 gasoline	1,661	1,575	26	60	—
2221 kerosene	154	133	—	20	0
2330 distillate fuel oil	878	673	0	205	—
2340 residual fuel oil	745	679	37	29	—
2350 lube oil & greases	8	—	4	—	4
2410 petro. jelly & waxes	0	0	0	—	—
2429 naphtha & solvents	284	208	0	75	—
2430 asphalt, tar & pitch	8	—	0	8	—
2540 petroleum coke	89	58	—	32	—

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
2640 liquid natural gas	0	—	0	—	—
Total chemicals and related products	552	435	68	44	5
Subtotal fertilizers	6	0	6	—	—
3110 nitrogenous fert.	1	—	1	—	—
3190 fert. & mixes nec	5	0	5	—	—
Subtotal other chemicals and related products	546	434	62	44	5
3211 acyclic hydrocarbons	12	12	—	—	—
3212 benzene & toluene	0	—	0	—	—
3219 other hydrocarbons	9	6	2	—	—
3220 alcohols	295	249	1	44	—
3230 carboxylic acids	13	12	1	—	—
3240 nitrogen func. comp.	8	4	4	—	—
3250 organo-inorganic comp.	1	1	0	—	—
3260 organic comp. nec	69	69	0	—	—
3273 ammonia	0	—	0	—	—
3274 sodium hydroxide	51	46	0	—	5
3275 inorg. elem., oxides, & halogen salts	5	3	2	—	—
3276 metallic salts	16	11	5	—	—
3279 inorganic chem. nec	0	0	0	—	—
3281 radioactive material	0	0	0	—	—
3282 pigments & paints	4	1	2	—	—
3283 coloring mat. nec	2	1	1	—	—
3284 medicines	1	0	0	—	—
3285 perfumes & cleansers	9	2	7	—	—
3286 plastics	35	10	25	—	—
3291 pesticides	1	0	1	—	—
3292 starches, gluten, glue	5	2	2	—	—
3293 explosives	0	—	0	—	—
3297 chemical additives	6	1	5	—	—
3298 wood & resin chem.	1	1	0	—	—
3299 chem. products nec	2	1	2	—	—
Total crude materials, inedible except fuels	236	73	163	—	0
Subtotal forest products, wood and chips	32	10	22	—	—
4110 rubber & gums	0	—	0	—	—
4150 fuel wood	9	0	9	—	—
4161 wood chips	2	—	2	—	—
4170 wood in the rough	1	0	1	—	—
4189 lumber	13	2	10	—	—
4190 forest products nec	9	8	0	—	—
Subtotal pulp and waste paper	86	—	86	—	—
4225 pulp & waste paper	86	—	86	—	—
Subtotal soil, sand, gravel, rock and stone	9	0	9	—	—
4310 building stone	4	0	4	—	—
4322 limestone	0	—	0	—	—
4323 gypsum	3	—	3	—	—
4327 phosphate rock	0	—	0	—	—
4331 sand & gravel	2	—	2	—	—
Subtotal iron ore and scrap	33	—	33	—	—
4420 iron & steel scrap	33	—	33	—	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	4	2	2	—	—
4630 copper ore	0	0	—	—	—
4650 aluminum ore	2	2	0	—	—
4670 manganese ore	0	—	0	—	—
4680 non-ferrous scrap	2	1	2	—	—
4690 non-ferrous ores nec	0	—	0	—	—
Subtotal sulphur, clay and salt	3	1	2	—	—
4741 sulphur, (dry)	0	—	0	—	—
4782 clay & refrac. mat.	3	1	2	—	—
Subtotal other non-metal. min.	68	59	9	—	0
4900 non-metal. min. nec	68	59	9	—	0
Total primary manufactured goods	123	57	66	—	0
Subtotal paper products	30	2	29	—	—
5110 newsprint	1	1	0	—	—
5120 paper & paperboard	23	1	22	—	—
5190 paper products nec	7	1	6	—	—
Subtotal lime, cement and glass	21	15	7	—	0
5220 cement & concrete	0	—	0	—	—
5240 glass & glass prod.	6	4	2	—	0
5290 misc. mineral prod.	15	10	5	—	—
Subtotal primary iron and steel products	14	4	10	—	—
5312 pig iron	2	0	2	—	—
5315 ferro alloys	1	1	0	—	—
5320 i&s primary forms	0	0	0	—	—
5330 i&s plates & sheets	6	0	6	—	—
5360 i&s bars & shapes	2	1	1	—	—
5370 i&s pipe & tube	2	1	1	—	—
5390 primary i&s nec	1	1	0	—	—
Subtotal primary non-ferrous metal products	53	34	20	—	—
5421 copper	22	17	5	—	—
5422 aluminum	6	1	6	—	—
5429 smelted prod. nec	8	4	4	—	—
5480 fab. metal products	17	11	6	—	—
Subtotal primary wood products	4	3	1	—	—
5540 primary wood prod.	4	3	1	—	—
Total food and farm products	426	354	71	—	—
Subtotal fish	25	24	1	—	—
6134 fish (not shellfish)	5	5	0	—	—
6136 shellfish	20	19	0	—	—

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Subtotal grain	1	1	0	---	---
6344 corn	1	1	0	---	---
6442 rice	0	0	---	---	---
6445 oats	0	0	0	---	---
Subtotal oilseeds	4	3	0	---	---
6521 peanuts	1	1	0	---	---
6522 soybeans	0	---	0	---	---
6534 flaxseed	0	---	0	---	---
6590 oilseeds nec	3	3	0	---	---
Subtotal vegetable products	51	43	8	---	---
6653 vegetable oils	29	29	0	---	---
6654 vegetables & prod.	22	14	8	---	---
Subtotal processed grain and animal feed	15	7	8	---	---
6746 wheat flour	0	0	0	---	---
6747 grain mill products	9	6	3	---	---
6781 hay & fodder	0	---	0	---	---
6782 animal feed, prep.	6	1	5	---	---
Subtotal other agricultural products	330	277	54	---	---
6811 meat, fresh, frozen	21	4	17	---	---
6817 meat, prepared	2	1	1	---	---
6822 dairy products	6	2	4	---	---
6835 fish, prepared	3	3	0	---	---
6838 tallow, animal oils	12	0	12	---	---
6839 animals & prod. nec	4	2	2	---	---
6856 bananas & plantains	110	110	---	---	---
6857 fruit & nuts nec	19	17	2	---	---
6858 fruit juices	40	40	1	---	---
6861 sugar	1	0	0	---	---
6865 molasses	7	7	---	---	---
6871 coffee	31	31	0	---	---
6872 cocoa beans	14	14	0	---	---
6885 alcoholic beverages	25	22	2	---	---
6888 water & ice	0	0	0	---	---
6889 food products nec	25	18	7	---	---
6891 tobacco & products	1	1	1	---	---
6893 cotton	2	0	1	---	---
6894 natural fibers nec	4	4	0	---	---
6899 farm products nec	3	0	3	---	---
Total all manufactured equipment, machinery and products	146	90	56	---	0
7110 machinery (not elec)	22	9	13	---	0
7120 electrical machinery	16	8	9	---	---
7210 vehicles & parts	9	2	6	---	---
7220 aircraft & parts	0	---	0	---	---
7230 ships & boats	0	---	0	---	---
7300 ordnance & access.	2	1	0	---	---
7400 manufac. wood prod.	3	3	0	---	---
7500 textile products	28	18	11	---	---
7600 rubber & plastic pr.	18	9	9	---	---
7900 manufac. prod. nec	48	40	7	---	---
Total unknown or not elsewhere classified	21	3	18	---	---
9900 unknown or nec	21	3	18	---	---
Ton-miles (x1000) Foreign & Canadian	78,611	63,086	3,001	12,431	93

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	35,343	14,570	20,774
Total petroleum and petroleum products	33,196	12,529	20,666
Subtotal crude petroleum	330	322	8
2100 crude petroleum	330	322	8
Subtotal petroleum products	32,866	12,208	20,658
2211 gasoline	11,231	2,197	9,034
2221 kerosene	369	33	335
2330 distillate fuel oil	9,966	3,683	6,283
2340 residual fuel oil	9,417	5,214	4,203
2350 lube oil & greases	397	397	---
2429 naphtha & solvents	260	198	62
2430 asphalt, tar & pitch	1,031	306	725
2990 petro. products nec	195	179	16
Total chemicals and related products	1,969	1,885	84
Subtotal other chemicals and related products	1,969	1,885	84
3211 acyclic hydrocarbons	7	7	---
3212 benzene & toluene	32	32	---
3219 other hydrocarbons	228	227	1
3220 alcohols	349	349	---
3230 carboxylic acids	102	102	---
3240 nitrogen func. comp.	11	11	---
3260 organic comp. nec	42	42	---
3274 sodium hydroxide	236	219	17
3276 metallic salts	5	5	---
3286 plastics	1	1	---
3297 chemical additives	911	849	62
3299 chem. products nec	45	41	4

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total crude materials, inedible except fuels	104	103	1
Subtotal soil, sand, gravel, rock and stone	104	103	1
4331 sand & gravel	104	103	1
Total primary manufactured goods	43	43	—
Subtotal lime, cement and glass	43	43	—
5220 cement & concrete	43	43	—
Total all manufactured equipment, machinery and products	31	10	22
7900 manufac. prod. nec	31	10	22
Ton-miles (x1000) Coastwise	370,484	189,792	180,693

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	28,286	559	7,660	13,441	1,193	2,581	2,852
Total petroleum and petroleum products	23,525	285	3,638	13,367	1,135	2,512	2,588
Subtotal crude petroleum	359	—	359	—	—	—	—
2100 crude petroleum	359	—	359	—	—	—	—
Subtotal petroleum products	23,166	285	3,279	13,367	1,135	2,512	2,588
2211 gasoline	9,679	10	1,444	6,201	266	542	1,215
2221 kerosene	410	2	27	318	34	14	15
2330 distillate fuel oil	7,253	143	674	4,655	198	749	833
2340 residual fuel oil	5,121	130	1,092	2,024	627	783	465
2350 lube oil & greases	219	—	7	7	10	194	2
2429 naphtha & solvents	296	—	29	26	—	195	46
2430 asphalt, tar & pitch	184	—	4	135	—	34	10
2990 petro. products nec	3	—	1	2	—	1	—
Total chemicals and related products	518	—	110	16	58	69	264
Subtotal other chemicals and related products	518	—	110	16	58	69	264
3212 benzene & toluene	1	—	1	—	—	—	—
3274 sodium hydroxide	64	—	—	6	58	—	—
3276 metallic salts	2	—	—	2	—	—	—
3297 chemical additives	448	—	109	8	—	69	262
3299 chem. products nec	2	—	—	—	—	—	2
Total crude materials, inedible except fuels	793	274	516	4	—	0	0
Subtotal forest products, wood and chips	4	—	0	4	—	0	0
4170 wood in the rough	4	—	0	4	—	0	0
Subtotal soil, sand, gravel, rock and stone	789	274	516	—	—	—	—
4331 sand & gravel	789	274	516	—	—	—	—
Total primary manufactured goods	148	—	148	—	—	—	—
Subtotal lime, cement and glass	148	—	148	—	—	—	—
5220 cement & concrete	148	—	148	—	—	—	—
Total food and farm products	1	0	—	0	—	—	—
Subtotal vegetable products	1	0	—	0	—	—	—
6653 vegetable oils	1	0	—	0	—	—	—
Total waste and scrap nec	3,302	—	3,248	54	—	—	—
8900 waste and scrap nec	3,302	—	3,248	54	—	—	—
Ton-miles (x1000) Internal	233,810	4,053	81,359	110,945	3,763	13,785	19,904
Tons All Traffic (x1000)	94,921						
Ton-miles All Traffic (x1000)	747,857						

*Does not include 20,918 (x1000) tons of through traffic

*Includes 224 (x1000) tons of foreign inbound in-transits; Includes 110 (x1000) tons of foreign outbound in-transits; Includes 75 (x1000) tons of Canadian inbound in-transits.

RARITAN RIVER TO ARTHUR KILL CUT OFF CHANNEL, NJ (INCLUDED IN PORT OF NEW YORK)

Section Included: From Raritan River Channel off South Amboy to the southerly end of Arthur Kill Channel. Controlling Depth: 18 feet mean low water. Project Depth: 20 feet mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	2,088	1991	2,663	1994	2,134	1997	2,230
1989	2,691	1992	2,192	1995	2,049		
1990	2,154	1993	1,832	1996	1,939		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic		
		Coastwise Through Upbound	Internal Through	
			Upbound	Downbnd
Total, all commodities	2,230	850	778	602
Total petroleum and petroleum products	1,354	356	396	602
Subtotal crude petroleum	8	---	---	8
2100 crude petroleum	8	---	---	8
Subtotal petroleum products	1,346	356	396	594
2211 gasoline	225	112	17	95
2221 kerosene	41	---	13	28
2330 distillate fuel oil	807	244	250	314
2340 residual fuel oil	273	---	116	157
Total crude materials, inedible except fuels	876	495	382	---
Subtotal soil, sand, gravel, rock and stone	876	495	382	---
4331 sand & gravel	876	495	382	---
Ton-miles (x1000)	2,230	850	778	602

Tons All Traffic (x1000) 2,230
 Ton-miles All Traffic (x1000) 2,230

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS

Section Included: Ambrose, Mainship, Bayside and Sandy Hook Channels. Controlling Depth: Ambrose Channel, 45 feet; Main Ship Channel, 30 feet; Sandy Hook Channel, 35 feet. Project Depth: Ambrose Channel, 45 feet, 13.6 miles; Bayside Sandy Hook Channel, 35 feet, 6.3 miles; Main Ship Channel, 30 feet, 5.2 miles. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	100,186	1991	78,407	1994	81,743	1997	85,721
1989	93,335	1992	73,247	1995	77,590		
1990	89,411	1993	72,413	1996	84,781		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign Through		Canadian Through	
		Upbound	Downbnd	Upbound	Downbnd
Total coal	449	423	7	---	19
1100 coal lignite	448	423	5	---	19
1200 coal coke	2	0	2	---	---
Total petroleum and petroleum products	32,877	26,628	174	6,071	4
Subtotal crude petroleum	13,904	9,397	0	4,507	---
2100 crude petroleum	13,904	9,397	0	4,507	---
Subtotal petroleum products	18,973	17,231	174	1,564	4
2211 gasoline	7,261	7,055	27	180	---
2221 kerosene	266	200	1	64	0
2330 distillate fuel oil	3,668	3,161	10	497	---
2340 residual fuel oil	6,276	5,850	46	381	---
2350 lube oil & greases	61	4	53	---	4
2410 petro. jelly & waxes	28	18	9	---	---
2429 naphtha & solvents	1,064	690	7	367	---
2430 asphalt, tar & pitch	12	2	2	8	---
2540 petroleum coke	326	244	16	66	---
2640 liquid natural gas	10	7	4	---	---
Total chemicals and related products	3,341	2,076	1,188	71	6
Subtotal fertilizers	72	29	42	0	0
3110 nitrogenous fert.	18	15	3	---	---
3120 phosphatic fert.	0	0	0	---	0
3130 potassic fert.	2	1	1	---	---
3190 fert. & mixes nec	51	13	38	0	---
Subtotal other chemicals and related products	3,269	2,047	1,145	71	6
3211 acyclic hydrocarbons	17	16	1	---	---

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
3212 benzene & toluene	2	0	2	—	0
3219 other hydrocarbons	77	34	44	—	—
3220 alcohols	504	383	51	70	0
3230 carboxylic acids	173	145	28	—	0
3240 nitrogen func. comp.	105	57	48	0	—
3250 organo-inorganic comp.	54	35	20	0	—
3260 organic comp. nec	472	453	19	0	—
3271 sulphur (liquid)	2	0	2	—	—
3272 sulphuric acid	4	0	4	—	—
3273 ammonia	10	—	10	—	—
3274 sodium hydroxide	98	85	9	—	5
3275 inorg. elem. oxides, & halogen salts	130	74	56	—	0
3276 metallic salts	163	118	45	0	0
3279 inorganic chem. nec	11	5	6	—	—
3281 radioactive material	5	2	3	—	—
3282 pigments & paints	125	60	65	0	0
3283 coloring mat. nec	49	27	22	0	0
3284 medicines	52	27	25	0	0
3285 perfumes & cleansers	190	67	123	0	0
3286 plastics	646	285	360	0	0
3291 pesticides	18	6	12	—	0
3292 starches, gluten, glue	88	62	26	0	—
3293 explosives	2	2	1	—	0
3297 chemical additives	125	38	87	—	—
3298 wood & resin chem.	9	5	4	—	—
3299 chem. products nec	136	62	73	0	0
Total crude materials, inedible except fuels	6,078	1,459	3,220	1,294	106
Subtotal forest products, wood and chips	623	144	435	43	0
4110 rubber & gums	10	9	1	—	—
4150 fuel wood	15	1	15	—	—
4161 wood chips	7	—	7	—	—
4170 wood in the rough	78	2	76	—	—
4189 lumber	405	39	323	43	0
4190 forest products nec	108	94	14	0	0
Subtotal pulp and waste paper	1,045	39	1,006	—	—
4225 pulp & waste paper	1,045	39	1,006	—	—
Subtotal soil, sand, gravel, rock and stone	1,443	209	67	1,166	0
4310 building stone	10	5	5	—	0
4322 limestone	2	1	1	—	—
4323 gypsum	1,268	201	9	1,058	—
4327 phosphate rock	21	1	20	—	—
4331 sand & gravel	143	3	32	108	—
Subtotal iron ore and scrap	1,556	28	1,474	0	54
4410 iron ore	62	6	2	0	54
4420 iron & steel scrap	1,494	22	1,472	—	—
Subtotal marine shells	1	1	0	—	—
4515 marine shells	1	1	0	—	—
Subtotal non-ferrous ores and scrap	183	58	125	0	0
4630 copper ore	1	0	1	—	—
4650 aluminum ore	42	34	7	—	—
4670 manganese ore	13	0	13	—	—
4680 non-ferrous scrap	112	17	95	0	0
4690 non-ferrous ores nec	15	7	8	—	—
Subtotal sulphur, clay and salt	54	11	42	—	1
4741 sulphur, (dry)	7	0	7	—	—
4782 clay & refrac. mat.	47	11	35	—	1
Subtotal slag	43	43	0	—	—
4860 slag	43	43	0	—	—
Subtotal other non-metal. min.	1,130	925	70	84	50
4900 non-metal. min. nec	1,130	925	70	84	50
Total primary manufactured goods	4,427	3,490	923	13	1
Subtotal paper products	785	406	371	8	0
5110 newsprint	58	8	49	1	—
5120 paper & paperboard	600	365	228	6	0
5190 paper products nec	127	32	94	0	0
Subtotal lime, cement and glass	2,166	2,010	151	5	0
5210 lime	0	0	0	—	—
5220 cement & concrete	1,114	1,080	34	—	—
5240 glass & glass prod.	262	213	49	1	0
5290 misc. mineral prod.	790	717	68	4	0
Subtotal primary iron and steel products	538	403	135	0	0
5312 pig iron	195	171	24	—	—
5315 ferro alloys	17	15	1	0	—
5320 i&s primary forms	16	8	8	—	—
5330 i&s plates & sheets	122	45	76	0	0
5360 i&s bars & shapes	79	69	11	—	0
5370 i&s pipe & tube	44	33	11	—	0
5390 primary i&s nec	65	61	4	0	—
Subtotal primary non-ferrous metal products	793	591	201	1	0
5421 copper	140	121	18	0	0
5422 aluminum	107	47	60	0	0
5429 smelted prod. nec	85	64	21	0	0
5480 fab. metal products	462	359	102	0	0
Subtotal primary wood products	145	80	65	—	—
5540 primary wood prod.	145	80	65	—	—
Total food and farm products	6,461	5,082	1,354	20	5
Subtotal fish	192	142	44	5	0
6134 fish (not shellfish)	120	80	36	3	0
6136 shellfish	72	62	8	2	0

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Subtotal grain	133	66	67	---	0
6241 wheat	5	0	5	---	---
6344 corn	63	5	58	---	---
6442 rice	62	61	1	---	0
6443 barley & rye	0	0	0	---	---
6445 oats	3	0	3	---	---
6447 sorghum grains	0	0	0	---	0
Subtotal oilseeds	120	52	68	0	---
6521 peanuts	11	10	1	0	---
6522 soybeans	64	1	64	---	---
6534 flaxseed	0	---	0	---	---
6590 oilseeds nec	45	42	3	---	---
Subtotal vegetable products	923	768	147	7	0
6653 vegetable oils	403	389	14	0	0
6654 vegetables & prod.	519	379	132	7	0
Subtotal processed grain and animal feed	517	274	242	0	1
6746 wheat flour	7	1	6	---	---
6747 grain mill products	326	249	77	0	0
6781 hay & fodder	11	0	11	---	---
6782 animal feed, prep.	173	24	148	---	1
Subtotal other agricultural products	4,576	3,779	787	8	3
6811 meat, fresh, frozen	166	31	134	1	0
6817 meat, prepared	51	45	6	0	---
6822 dairy products	158	125	33	0	0
6835 fish, prepared	76	64	10	2	---
6838 tallow, animal oils	85	4	80	0	2
6839 animals & prod. nec	93	37	55	1	---
6856 bananas & plantains	248	247	1	---	---
6857 fruit & nuts nec	288	174	114	1	0
6858 fruit juices	490	446	44	0	0
6861 sugar	600	592	8	---	1
6865 molasses	74	73	1	---	---
6871 coffee	223	215	8	---	---
6872 cocoa beans	256	251	5	---	---
6885 alcoholic beverages	989	920	68	0	0
6888 water & ice	131	130	1	---	---
6889 food products nec	500	346	154	0	0
6891 tobacco & products	46	20	26	---	---
6893 cotton	12	4	8	---	---
6894 natural fibers nec	15	15	1	---	---
6899 farm products nec	75	41	32	3	---
Total all manufactured equipment, machinery and products	4,926	3,355	1,561	7	3
7110 machinery (not elec)	794	459	333	1	1
7120 electrical machinery	471	284	186	0	0
7210 vehicles & parts	1,027	683	342	2	0
7220 aircraft & parts	9	2	7	---	---
7230 ships & boats	15	2	13	0	0
7300 ordnance & access.	27	5	22	---	---
7400 manufac. wood prod.	86	55	31	0	0
7500 textile products	816	594	219	2	1
7600 rubber & plastic pr.	421	282	138	1	0
7900 manufac. prod. nec	1,261	989	269	1	1
Total unknown or not elsewhere classified	155	62	93	0	0
9900 unknown or nec	155	62	93	0	0
Ton-miles (x1000) Foreign & Canadian	763,280	553,458	110,751	97,190	1,882

Commodity	Total	Domestic			
		Coastwise		Internal	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	27,007	20,777	5,139	12	1,080
Total coal	1,348	1,348	0	---	---
1100 coal lignite	1,348	1,348	0	---	---
1200 coal coke	0	---	0	---	---
Total petroleum and petroleum products	18,993	15,619	2,607	12	755
Subtotal crude petroleum	346	322	24	---	---
2100 crude petroleum	346	322	24	---	---
Subtotal petroleum products	18,647	15,297	2,583	12	755
2211 gasoline	3,749	2,569	718	---	462
2221 kerosene	111	69	40	2	---
2330 distillate fuel oil	6,082	5,032	784	9	257
2340 residual fuel oil	6,610	6,046	529	---	35
2350 lube oil & greases	451	418	33	---	---
2410 petro. jelly & waxes	97	45	52	---	---
2429 naphthia & solvents	298	198	100	---	---
2430 asphalt, tar & pitch	1,051	722	327	0	0
2540 petroleum coke	7	7	0	---	---
2640 liquid natural gas	0	0	0	---	---
2990 petro. products nec	191	191	0	---	---
Total chemicals and related products	3,511	2,827	683	---	---
Subtotal fertilizers	1	0	1	---	---
3110 nitrogenous fert.	1	---	1	---	---

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	0	—	0	—	—
3190 fert. & mixes nec	0	0	0	—	—
Subtotal other chemicals and related products	3,509	2,827	682	—	—
3211 acyclic hydrocarbons	7	7	—	—	—
3212 benzene & toluene	40	40	0	—	—
3219 other hydrocarbons	869	669	200	—	—
3220 alcohols	434	404	30	—	—
3230 carboxylic acids	124	111	12	—	—
3240 nitrogen func. comp.	11	11	0	—	—
3250 organo-inorganic comp.	3	2	1	—	—
3260 organic comp. nec	182	111	71	—	—
3272 sulphuric acid	6	0	6	—	—
3273 ammonia	0	0	0	—	—
3274 sodium hydroxide	557	397	160	—	—
3275 inorg. elem., oxides, & halogen salts	8	6	2	—	—
3276 metallic salts	6	5	1	—	—
3279 inorganic chem. nec	0	0	0	—	—
3281 radioactive material	0	0	—	—	—
3282 pigments & paints	2	0	2	—	—
3283 coloring mat. nec	0	0	0	—	—
3284 medicines	54	36	18	—	—
3285 perfumes & cleansers	34	14	20	—	—
3286 plastics	17	2	15	—	—
3291 pesticides	4	0	4	—	—
3292 starches, gluten, glue	7	5	2	—	—
3293 explosives	0	0	0	—	—
3297 chemical additives	1,055	950	105	—	—
3298 wood & resin chem.	15	6	9	—	—
3299 chem. products nec	73	50	23	—	—
Total crude materials, inedible except fuels	616	19	273	—	325
Subtotal forest products, wood and chips	7	0	7	—	—
4110 rubber & gums	0	—	0	—	—
4150 fuel wood	0	—	0	—	—
4161 wood chips	0	—	0	—	—
4170 wood in the rough	0	—	0	—	—
4189 lumber	1	0	0	—	—
4190 forest products nec	5	0	5	—	—
Subtotal pulp and waste paper	5	1	4	—	—
4225 pulp & waste paper	5	1	4	—	—
Subtotal soil, sand, gravel, rock and stone	346	15	7	—	325
4310 building stone	0	—	0	—	—
4322 limestone	16	15	1	—	—
4323 gypsum	0	—	0	—	—
4327 phosphate rock	0	—	0	—	—
4331 sand & gravel	330	—	6	—	325
Subtotal iron ore and scrap	249	1	248	—	—
4420 iron & steel scrap	249	1	248	—	—
Subtotal marine shells	0	—	0	—	—
4515 marine shells	0	—	0	—	—
Subtotal non-ferrous ores and scrap	1	1	0	—	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	0	—	0	—	—
4680 non-ferrous scrap	1	1	0	—	—
4690 non-ferrous ores nec	0	0	0	—	—
Subtotal sulphur, clay and salt	0	0	0	—	—
4782 clay & refrac. mat.	0	0	0	—	—
Subtotal other non-metal. min.	7	0	7	—	—
4900 non-metal. min. nec	7	0	7	—	—
Total primary manufactured goods	939	118	821	—	—
Subtotal paper products	152	22	130	—	—
5110 newsprint	2	1	1	—	—
5120 paper & paperboard	132	18	115	—	—
5190 paper products nec	18	4	14	—	—
Subtotal lime, cement and glass	704	90	614	—	—
5220 cement & concrete	673	71	602	—	—
5240 glass & glass prod.	23	16	7	—	—
5290 misc. mineral prod.	8	3	5	—	—
Subtotal primary iron and steel products	23	2	21	—	—
5312 pig iron	0	—	0	—	—
5320 i&s primary forms	1	1	1	—	—
5330 i&s plates & sheets	3	1	2	—	—
5360 i&s bars & shapes	11	0	11	—	—
5370 i&s pipe & tube	2	0	2	—	—
5390 primary i&s nec	5	1	4	—	—
Subtotal primary non-ferrous metal products	59	3	56	—	—
5421 copper	2	1	1	—	—
5422 aluminum	3	1	3	—	—
5429 smelted prod. nec	4	0	4	—	—
5480 fab. metal products	49	2	47	—	—
Subtotal primary wood products	1	0	1	—	—
5540 primary wood prod.	1	0	1	—	—
Total food and farm products	898	629	268	—	0
Subtotal fish	5	2	3	—	0
6134 fish (not shellfish)	4	2	2	—	0
6136 shellfish	1	0	1	—	—
Subtotal grain	0	0	0	—	—
6241 wheat	0	—	0	—	—
6344 corn	0	—	0	—	—
6442 rice	0	0	0	—	—

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise Through		Internal Through	
		Upbound	Downbnd	Upbound	Downbnd
6445 oats	0	—	0	—	—
Subtotal oilseeds	5	0	5	—	—
6521 peanuts	5	0	5	—	—
6522 soybeans	0	—	0	—	—
6590 oilseeds nec	0	—	0	—	—
Subtotal vegetable products	48	14	34	—	—
6653 vegetable oils	4	2	2	—	—
6654 vegetables & prod.	44	12	32	—	—
Subtotal processed grain and animal feed	24	15	9	—	—
6746 wheat flour	1	—	1	—	—
6747 grain mill products	20	15	5	—	—
6782 animal feed, prep.	4	0	3	—	—
Subtotal other agricultural products	815	598	217	—	—
6811 meat, fresh, frozen	11	1	10	—	—
6817 meat, prepared	18	0	18	—	—
6822 dairy products	12	4	8	—	—
6835 fish, prepared	5	5	1	—	—
6838 tallow, animal oils	0	—	0	—	—
6839 animals & prod. nec	5	0	4	—	—
6856 bananas & plantains	0	0	—	—	—
6857 fruit & nuts nec	69	48	20	—	—
6858 fruit juices	12	1	11	—	—
6861 sugar	438	438	1	—	—
6865 molasses	0	0	0	—	—
6871 coffee	2	1	1	—	—
6872 cocoa beans	12	11	1	—	—
6885 alcoholic beverages	131	56	75	—	—
6887 groceries	6	1	5	—	—
6888 water & ice	13	4	10	—	—
6889 food products nec	68	23	45	—	—
6891 tobacco & products	9	5	5	—	—
6893 cotton	0	0	0	—	—
6894 natural fibers nec	0	0	0	—	—
6899 farm products nec	2	1	1	—	—
Total all manufactured equipment, machinery and products	693	215	478	—	—
7110 machinery (not elec)	24	7	17	—	—
7120 electrical machinery	32	13	19	—	—
7210 vehicles & parts	27	2	25	—	—
7220 aircraft & parts	1	1	1	—	—
7230 ships & boats	0	—	0	—	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	3	1	3	—	—
7500 textile products	34	8	26	—	—
7600 rubber & plastic pr.	30	3	28	—	—
7800 empty containers	0	0	0	—	—
7900 manufac. prod. nec	541	180	361	—	—
Total waste and scrap nec	0	0	—	—	—
8900 waste and scrap nec	0	0	—	—	—
Total unknown or not elsewhere classified	9	2	8	—	—
9900 unknown or nec	9	2	8	—	—
Ton-miles (x1000)	173,009	130,268	38,785	22	3,934
Domestic					
Tons All Traffic (x1000)	85,721				
Ton-miles All Traffic (x1000)	936,289				

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	155,062	1991	126,861	1994	126,101	1997	135,266
1989	148,590	1992	115,311	1995	119,342		
1990	140,020	1993	116,736	1996	131,601		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	56,714	41,626	8,447	6,497	145
Total coal	341	315	7	—	19
1100 coal lignite	339	315	5	—	19
1200 coal coke	2	0	2	—	—
Total petroleum and petroleum products	32,710	26,461	174	6,071	4
Subtotal crude petroleum	13,842	9,335	0	4,507	—
2100 crude petroleum	13,842	9,335	0	4,507	—
Subtotal petroleum products	18,869	17,126	174	1,564	4
2211 gasoline	7,206	7,000	27	180	—
2221 kerosene	266	200	1	64	0

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
2330 distillate fuel oil	3,668	3,161	10	497	—
2340 residual fuel oil	6,233	5,806	46	381	—
2350 lube oil & greases	61	4	53	—	4
2410 petro. jelly & waxes	28	18	9	—	—
2429 naphtha & solvents	1,064	690	7	367	—
2430 asphalt, tar & pitch	12	2	2	8	—
2540 petroleum coke	320	238	16	66	—
2640 liquid natural gas	10	7	4	—	—
Total chemicals and related products	3,316	2,059	1,187	63	6
Subtotal fertilizers	57	15	42	0	0
3110 nitrogenous fert.	4	1	3	—	—
3120 phosphatic fert.	0	0	0	—	0
3130 potassic fert.	2	1	1	—	—
3190 fert. & mixes nec	51	13	38	0	—
Subtotal other chemicals and related products	3,259	2,044	1,145	63	6
3211 acyclic hydrocarbons	17	16	1	—	—
3212 benzene & toluene	2	0	2	—	0
3219 other hydrocarbons	77	34	44	—	—
3220 alcohols	495	383	51	62	0
3230 carboxylic acids	172	144	28	—	0
3240 nitrogen func. comp.	105	57	48	0	—
3250 organo-inorganic comp.	54	35	20	0	—
3260 organic comp. nec	472	453	19	0	—
3271 sulphur (liquid)	2	0	2	—	—
3272 sulphuric acid	4	0	4	—	—
3273 ammonia	10	—	10	—	—
3274 sodium hydroxide	97	84	9	—	5
3275 inorg. elem., oxides, & halogen salts	130	74	56	—	0
3276 metallic salts	163	118	45	0	0
3279 inorganic chem. nec	11	5	6	—	—
3281 radioactive material	5	2	3	—	—
3282 pigments & paints	125	60	65	0	0
3283 coloring mat. nec	49	27	22	0	0
3284 medicines	52	27	25	0	0
3285 perfumes & cleansers	190	67	123	0	0
3286 plastics	646	285	360	0	0
3291 pesticides	18	6	12	—	0
3292 starches, gluten, glue	88	62	26	0	—
3293 explosives	2	2	1	—	0
3297 chemical additives	125	38	87	—	—
3298 wood & resin chem.	9	5	4	—	—
3299 chem. products nec	136	62	73	0	0
Total crude materials, inedible except fuels	4,764	1,127	3,209	322	106
Subtotal forest products, wood and chips	623	144	435	43	0
4110 rubber & gums	10	9	1	—	—
4150 fuel wood	15	1	15	—	—
4161 wood chips	7	—	7	—	—
4170 wood in the rough	78	2	76	—	—
4189 lumber	405	39	323	43	0
4190 forest products nec	108	94	14	0	0
Subtotal pulp and waste paper	1,022	16	1,006	—	—
4225 pulp & waste paper	1,022	16	1,006	—	—
Subtotal soil, sand, gravel, rock and stone	524	177	67	279	0
4310 building stone	10	5	5	—	0
4322 limestone	2	1	1	—	—
4323 gypsum	401	168	9	224	—
4327 phosphate rock	21	1	20	—	—
4331 sand & gravel	90	3	32	56	—
Subtotal iron ore and scrap	1,546	28	1,464	0	54
4410 iron ore	62	6	2	0	54
4420 iron & steel scrap	1,484	22	1,463	—	—
Subtotal marine shells	1	1	0	—	—
4515 marine shells	1	1	0	—	—
Subtotal non-ferrous ores and scrap	168	44	125	0	0
4630 copper ore	1	0	1	—	—
4650 aluminum ore	27	20	7	—	—
4670 manganese ore	13	0	13	—	—
4680 non-ferrous scrap	112	17	95	0	0
4690 non-ferrous ores nec	15	7	8	—	—
Subtotal sulphur, clay and salt	54	11	42	—	1
4741 sulphur, (dry)	7	0	7	—	—
4782 clay & refrac. mat.	47	11	35	—	1
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	826	706	70	—	50
4900 non-metal. min. nec	826	706	70	—	50
Total primary manufactured goods	4,183	3,246	923	13	1
Subtotal paper products	785	406	371	8	0
5110 newsprint	58	8	49	1	—
5120 paper & paperboard	600	365	228	6	0
5190 paper products nec	126	32	94	0	0
Subtotal lime, cement and glass	1,923	1,767	151	5	0
5210 lime	0	0	0	—	—
5220 cement & concrete	871	837	34	—	—
5240 glass & glass prod.	262	213	49	1	0
5290 misc. mineral prod.	790	717	68	4	0
Subtotal primary iron and steel products	538	402	135	0	0
5312 pig iron	195	171	24	—	—
5315 ferro alloys	17	15	1	0	—
5320 i&s primary forms	16	8	8	—	—
5330 i&s plates & sheets	122	45	76	0	0
5360 i&s bars & shapes	79	69	11	—	0
5370 i&s pipe & tube	44	33	11	—	0

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
5390 primary i&s nec	65	61	4	0	—
Subtotal primary non-ferrous metal products	793	590	201	1	0
5421 copper	140	121	18	0	0
5422 aluminum	107	47	60	0	0
5429 smelted prod. nec	85	64	21	0	0
5480 fab. metal products	461	359	102	0	0
Subtotal primary wood products	145	80	65	—	—
5540 primary wood prod.	145	80	65	—	—
Total food and farm products	6,345	5,003	1,317	20	5
Subtotal fish	192	142	44	5	0
6134 fish (not shellfish)	120	80	36	3	0
6136 shellfish	72	62	8	2	0
Subtotal grain	97	66	31	—	0
6241 wheat	3	0	3	—	—
6344 corn	28	5	23	—	—
6442 rice	62	61	1	—	0
6443 barley & rye	0	0	0	—	—
6445 oats	3	0	3	—	—
6447 sorghum grains	0	0	0	—	0
Subtotal oilseeds	120	52	68	0	—
6521 peanuts	11	10	1	0	—
6522 soybeans	64	1	64	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	45	42	3	—	—
Subtotal vegetable products	919	765	147	7	0
6653 vegetable oils	400	386	14	0	0
6654 vegetables & prod.	519	379	132	7	0
Subtotal processed grain and animal feed	516	274	241	0	1
6746 wheat flour	7	1	6	—	—
6747 grain mill products	326	249	77	0	0
6781 hay & fodder	11	0	11	—	—
6782 animal feed, prep.	172	24	147	—	1
Subtotal other agricultural products	4,501	3,704	787	8	3
6811 meat, fresh, frozen	166	31	134	1	0
6817 meat, prepared	51	45	6	0	—
6822 dairy products	158	125	33	0	0
6835 fish, prepared	76	64	10	2	—
6838 tallow, animal oils	85	4	80	0	2
6839 animals & prod. nec	93	37	55	1	—
6856 bananas & plantains	248	247	1	—	—
6857 fruit & nuts nec	288	174	114	1	0
6858 fruit juices	490	446	44	0	0
6861 sugar	581	572	8	—	1
6865 molasses	20	20	1	—	—
6871 coffee	223	215	8	—	—
6872 cocoa beans	256	251	5	—	—
6885 alcoholic beverages	989	920	68	0	0
6888 water & ice	131	130	1	—	—
6889 food products nec	498	344	154	0	0
6891 tobacco & products	46	20	26	—	—
6893 cotton	12	4	8	—	—
6894 natural fibers nec	15	15	1	—	—
6899 farm products nec	75	41	32	3	—
Total all manufactured equipment, machinery and products	4,900	3,353	1,537	7	3
7110 machinery (not elec)	776	458	316	1	1
7120 electrical machinery	464	284	180	0	0
7210 vehicles & parts	1,027	683	342	2	0
7220 aircraft & parts	9	2	7	—	—
7230 ships & boats	15	2	12	0	0
7300 ordnance & access.	27	5	22	—	—
7400 manufac. wood prod.	86	55	31	0	0
7500 textile products	816	594	219	2	1
7600 rubber & plastic pr.	420	281	138	1	0
7900 manufac. prod. nec	1,260	989	269	1	1
Total unknown or not elsewhere classified	155	62	93	0	0
9900 unknown or nec	155	62	93	0	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	78,553	20,258	24,405	2,709	7,816	23,364
Total coal	951	951	0	—	—	—
1100 coal lignite	951	951	0	—	—	—
1200 coal coke	0	—	0	—	—	—
Total petroleum and petroleum products	63,873	15,251	22,157	43	7,811	18,612
Subtotal crude petroleum	713	322	24	—	—	367
2100 crude petroleum	713	322	24	—	—	367
Subtotal petroleum products	63,160	14,929	22,132	43	7,811	18,244
2211 gasoline	21,793	2,390	9,449	6	4,355	5,593
2221 kerosene	969	39	385	—	265	279
2330 distillate fuel oil	19,816	4,794	6,707	3	2,314	5,998
2340 residual fuel oil	17,788	6,466	4,739	35	774	5,774
2350 lube oil & greases	617	397	1	—	—	219
2410 petro. jelly & waxes	1	0	1	—	—	—

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
2429 naphtha & solvents	603	198	109	—	—	296
2430 asphalt, tar & pitch	1,356	446	725	—	101	83
2540 petroleum coke	7	7	0	—	—	—
2640 liquid natural gas	0	0	0	—	—	—
2990 petro. products nec	211	191	16	—	2	1
Total chemicals and related products	2,834	2,050	256	—	2	527
Subtotal fertilizers	1	0	1	—	—	—
3110 nitrogenous fert.	1	—	1	—	—	—
3120 phosphatic fert.	0	—	0	—	—	—
3130 potassic fert.	0	—	0	—	—	—
3190 fert. & mixes nec	0	0	0	—	—	—
Subtotal other chemicals and related products	2,833	2,050	255	—	2	527
3211 acyclic hydrocarbons	7	7	—	—	—	—
3212 benzene & toluene	41	40	0	—	—	1
3219 other hydrocarbons	229	227	2	—	—	—
3220 alcohols	377	368	9	—	—	—
3230 carboxylic acids	114	107	7	—	—	—
3240 nitrogen func. comp.	11	11	0	—	—	—
3250 organo-inorganic comp.	3	2	1	—	—	—
3260 organic comp. nec	48	44	4	—	—	—
3272 sulphuric acid	6	0	6	—	—	—
3273 ammonia	0	0	0	—	—	—
3274 sodium hydroxide	310	219	17	—	—	74
3275 inorg. elem., oxides, & halogen salts	3	1	2	—	—	—
3276 metallic salts	47	5	39	—	2	—
3279 inorganic chem. nec	0	0	0	—	—	—
3281 radioactive material	0	0	—	—	—	—
3282 pigments & paints	2	0	2	—	—	—
3283 coloring mat. nec	0	0	0	—	—	—
3284 medicines	54	36	18	—	—	—
3285 perfumes & cleansers	34	14	20	—	—	—
3286 plastics	17	2	15	—	—	—
3291 pesticides	4	0	4	—	—	—
3292 starches, gluten, glue	7	5	2	—	—	—
3293 explosives	0	0	0	—	—	—
3297 chemical additives	1,430	909	73	—	—	448
3298 wood & resin chem.	10	3	8	—	—	—
3299 chem. products nec	78	50	25	—	—	4
Total crude materials, inedible except fuels	4,514	737	764	2,269	0	745
Subtotal forest products, wood and chips	11	0	7	—	0	4
4110 rubber & gums	0	—	0	—	—	—
4150 fuel wood	0	—	0	—	—	—
4161 wood chips	0	—	0	—	—	—
4170 wood in the rough	4	—	0	—	0	4
4189 lumber	1	0	0	—	—	—
4190 forest products nec	5	0	5	—	—	—
Subtotal pulp and waste paper	5	1	4	—	—	—
4225 pulp & waste paper	5	1	4	—	—	—
Subtotal soil, sand, gravel, rock and stone	3,838	690	497	2,269	—	382
4310 building stone	1	—	0	1	—	—
4322 limestone	1	—	1	—	—	—
4323 gypsum	0	—	0	—	—	—
4327 phosphate rock	0	—	0	—	—	—
4331 sand & gravel	3,835	690	496	2,268	—	382
Subtotal iron ore and scrap	652	44	248	—	—	360
4420 iron & steel scrap	652	44	248	—	—	360
Subtotal marine shells	0	—	0	—	—	—
4515 marine shells	0	—	0	—	—	—
Subtotal non-ferrous ores and scrap	1	1	0	—	—	—
4630 copper ore	0	—	0	—	—	—
4650 aluminum ore	0	—	0	—	—	—
4680 non-ferrous scrap	1	1	0	—	—	—
4690 non-ferrous ores nec	0	0	0	—	—	—
Subtotal sulphur, clay and salt	0	0	0	—	—	—
4782 clay & refrac. mat.	0	0	0	—	—	—
Subtotal other non-metal. min.	7	0	7	—	—	—
4900 non-metal. min. nec	7	0	7	—	—	—
Total primary manufactured goods	711	94	220	397	—	—
Subtotal paper products	152	22	130	—	—	—
5110 newsprint	2	1	1	—	—	—
5120 paper & paperboard	132	18	115	—	—	—
5190 paper products nec	18	4	14	—	—	—
Subtotal lime, cement and glass	475	66	12	397	—	—
5220 cement & concrete	444	47	0	397	—	—
5240 glass & glass prod.	23	16	7	—	—	—
5290 misc. mineral prod.	8	3	5	—	—	—
Subtotal primary iron and steel products	23	2	21	—	—	—
5312 pig iron	0	—	0	—	—	—
5320 i&s primary forms	1	1	1	—	—	—
5330 i&s plates & sheets	3	1	2	—	—	—
5360 i&s bars & shapes	11	0	11	—	—	—
5370 i&s pipe & tube	2	0	1	—	—	—
5390 primary i&s nec	5	1	4	—	—	—
Subtotal primary non-ferrous metal products	60	4	57	—	—	—
5421 copper	2	1	1	—	—	—
5422 aluminum	3	1	3	—	—	—
5429 smelted prod. nec	4	0	4	—	—	—
5480 fab. metal products	50	2	48	—	—	—
Subtotal primary wood products	1	0	1	—	—	—
5540 primary wood prod.	1	0	1	—	—	—

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total food and farm products	919	629	268	—	0	21
Subtotal fish	5	2	3	—	0	—
6134 fish (not shellfish)	4	2	2	—	0	—
6136 shellfish	1	0	1	—	—	—
Subtotal grain	0	0	0	—	—	—
6241 wheat	0	—	0	—	—	—
6344 corn	0	—	0	—	—	—
6442 rice	0	0	0	—	—	—
6445 oats	0	—	0	—	—	—
Subtotal oilseeds	5	0	5	—	—	—
6521 peanuts	5	0	5	—	—	—
6522 soybeans	0	—	0	—	—	—
6590 oilseeds nec	0	—	0	—	—	—
Subtotal vegetable products	59	14	34	—	—	11
6653 vegetable oils	15	2	2	—	—	11
6654 vegetables & prod.	44	12	32	—	—	—
Subtotal processed grain and animal feed	24	15	9	—	—	—
6746 wheat flour	1	—	1	—	—	—
6747 grain mill products	20	15	5	—	—	—
6782 animal feed, prep.	4	0	3	—	—	—
Subtotal other agricultural products	825	598	217	—	—	9
6811 meat, fresh, frozen	11	1	10	—	—	—
6817 meat, prepared	18	0	18	—	—	—
6822 dairy products	12	4	8	—	—	—
6835 fish, prepared	5	5	1	—	—	—
6838 tallow, animal oils	0	—	0	—	—	—
6839 animals & prod. nec	5	0	4	—	—	—
6856 bananas & plantains	0	—	—	—	—	—
6857 fruit & nuts nec	69	48	20	—	—	—
6858 fruit juices	12	1	11	—	—	—
6861 sugar	438	438	1	—	—	—
6865 molasses	0	0	0	—	—	—
6871 coffee	2	1	1	—	—	—
6872 cocoa beans	12	11	1	—	—	—
6885 alcoholic beverages	131	56	75	—	—	—
6887 groceries	6	1	5	—	—	—
6888 water & ice	13	4	10	—	—	—
6889 food products nec	78	23	45	—	—	9
6891 tobacco & products	9	5	5	—	—	—
6893 cotton	0	0	0	—	—	—
6894 natural fibers nec	0	0	0	—	—	—
6899 farm products nec	2	1	1	—	—	—
Total all manufactured equipment, machinery and products	1,438	543	732	—	—	162
7110 machinery (not elec)	24	7	17	—	—	—
7120 electrical machinery	32	13	19	—	—	—
7210 vehicles & parts	27	2	25	—	—	—
7220 aircraft & parts	1	1	1	—	—	—
7230 ships & boats	0	—	0	—	—	—
7300 ordnance & access.	0	0	0	—	—	—
7400 manufac. wood prod.	3	1	3	—	—	—
7500 textile products	34	8	26	—	—	—
7600 rubber & plastic pr.	30	3	28	—	—	—
7800 empty containers	0	0	0	—	—	—
7900 manufac. prod. nec	1,285	508	615	—	—	162
Total waste and scrap nec	3,302	0	—	—	3	3,298
8900 waste and scrap nec	3,302	0	—	—	3	3,298
Total unknown or not elsewhere classified	9	2	8	—	—	—
9900 unknown or nec	9	2	8	—	—	—

*Includes 1,198 (x1000) tons of foreign inbound in-transits; Includes 776 (x1000) tons of foreign outbound in-transits;
Includes 390 (x1000) tons of Canadian inbound in-transits; Includes 0 (x1000) tons of Canadian outbound in-transits.

SUMMARY OF TRAFFIC TOTAL WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1997
(thousand short tons)

Locality	*Foreign/Canadian		Domestic				Total	Percent	Through Traffic
	Imports	Exports	Coastwise		Internal				
			Receipts	Shipmnts	Receipts Shipmnts	Intraport			
BAY RIDGE AND RED HOOK CHANNELS, NY	310	25	1	1	182	—	519	0.34	2,290
BRONX RIVER, NY	—	—	—	—	62	—	62	0.04	—
BUTTERMILK CHANNEL, NY	384	211	—	—	52	—	647	0.42	31,513
CHEESEQUAKE CREEK, NJ	—	—	—	—	—	—	—	0.00	—
CONEY ISLAND CHANNEL, NY	—	—	—	—	—	—	—	0.00	775
CONEY ISLAND CREEK, NY	—	—	1	—	15	—	16	0.01	—
EAST CHESTER CREEK, NY	—	—	423	—	585	—	1,008	0.66	—
EAST RIVER, NY	671	1	1,363	—	2,175	274	4,484	2.94	29,119
EAST ROCKAWAY INLET, NY	—	—	—	—	—	—	—	0.00	714
ECHO BAY HARBOR, NY	—	—	—	—	—	—	—	0.00	—
ELIZABETH RIVER, NJ	—	—	—	—	—	—	—	0.00	—
FLUSHING BAY AND CREEK, NY	—	—	3	—	2,024	—	2,027	1.33	—
GOWANUS CANAL, NY	—	—	—	—	445	—	445	0.29	—
GOWANUS CREEK CHANNEL, NY	72	5	191	—	1,580	—	1,849	1.21	445
GRAVESEND BAY, NY	1,060	—	35	35	796	—	1,926	1.26	16
GREAT KILLS HARBOR, STATEN ISLAND, NY	—	—	—	—	—	—	—	0.00	—
HACKENSACK RIVER, NJ	13	—	1,051	38	388	—	1,490	0.98	—
HARLEM RIVER, NY	—	19	—	—	0	—	19	0.01	—
HUDSON RIVER CHANNEL, NY AND NJ	404	155	3	—	759	—	1,321	0.87	16,982
HUDSON RIVER, NY (LOWER SECTION)	34	0	351	—	57	—	442	0.29	16,521
JAMAICA BAY, NY	—	—	8	—	925	—	934	0.61	0
KEYPORT HARBOR, NJ	—	—	—	—	—	—	—	0.00	—
LARCHMONT HARBOR, NY	—	—	—	—	—	—	—	0.00	—
LEMON CREEK, STATEN ISLAND, NY	—	—	—	—	—	—	—	0.00	—
LONG ISLAND SOUND AT CITY ISLAND, NY	—	—	—	—	2	—	2	0.00	—
MAMARONECK HARBOR, NY	—	—	—	—	—	—	—	0.00	—
MANHASSET BAY, NY	—	—	—	—	84	—	84	0.06	—
NEW ROCHELLE HARBOR, NY	—	—	—	—	—	—	—	0.00	—
NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ	9,853	521	14,570	20,774	22,854	5,433	74,003	48.47	20,918
NEWARK BAY, NJ	9,157	5,399	903	1,534	1,032	216	18,242	11.95	3,820
NEWTOWN CREEK, NY	—	—	1	0	1,421	—	1,422	0.93	—
PASSAIC RIVER, NJ	138	3	118	129	2,049	12	2,450	1.60	—
PORT CHESTER HARBOR, NY	—	—	145	—	74	—	220	0.14	—
RAHWAY RIVER, NJ	—	—	—	—	—	—	—	0.00	—
RARITAN RIVER TO ARTHUR KILL CUT OFF CHANNEL, NJ	—	—	—	—	—	—	—	0.00	2,230
RARITAN RIVER, NJ	—	—	4	850	1,555	—	2,409	1.58	—
SANDY HOOK BAY AT LEONARDO, NJ	—	—	—	—	—	—	—	0.00	—
SANDY HOOK BAY, NJ	—	—	—	—	27	—	27	0.02	—
SHEEPSHEAD BAY, NY	—	—	—	—	0	—	0	0.00	—
SHOAL HARBOR AND COMPTON CREEK, NJ	—	—	—	—	0	—	0	0.00	—
UPPER BAY, NEW YORK HARBOR, NY AND NJ	26,027	2,252	1,085	1,044	6,048	24	36,481	23.90	80,883
WALLABOUT CHANNEL, NY	—	—	—	—	—	—	—	0.00	—
WAYCAKE CREEK, NJ	—	—	—	—	—	—	—	0.00	—
WESTCHESTER CREEK, NY	—	—	—	—	142	—	142	0.09	—
TOTAL (UNADJUSTED)	48,122	8,591	20,257	24,405	45,335	5,959	152,670	—	—
PERCENT (UNADJUSTED)	31.52	5.63	13.27	15.99	29.69	3.90	—	100.00	—
NET VOLUME OF TONNAGE FOR THE AREA	48,122	8,591	20,258	24,405	10,525	23,364	135,266	—	—
PERCENT (ADJUSTED)	35.58	6.35	14.98	18.04	7.78	17.27	—	100.00	—

*Total includes overseas Foreign and Canadian Tonnage. For a breakdown, see the individual tables.

HUDSON RIVER, NY, MOUTH OF SPUYTEN DUYVIL CREEK (HARLEM RIVER) TO WATERFORD, NY

Section Included: Mouth of Spuyten Duyvil Creek (Harlem River) to Waterford, NY. Controlling Depth: 32 feet mean low water from New York City to 1,500 feet south of north limit of 32-foot project; thence 14 feet to head of project at Waterford, NY. Project Depth: 34 feet in rock and 32 feet in soft material mean low water from New York City to Albany; 14 feet lowest low water to Waterford. Project Length: about 155 miles, Navigation Season: Lower section: 12 months. Upper Section: For barges 8 months, for oceangoing vessels 12 months.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	21,243	1991	16,085	1994	15,331	1997	17,309
1989	18,511	1992	15,468	1995	14,592		
1990	16,402	1993	15,730	1996	15,529		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports*	Imports*
Total, all commodities	2,034	981	73	980
Total coal	109	109	---	---
1100 coal lignite	109	109	---	---
Total petroleum and petroleum products	167	167	---	---
Subtotal crude petroleum	62	62	---	---
2100 crude petroleum	62	62	---	---
Subtotal petroleum products	105	105	---	---
2211 gasoline	55	55	---	---
2340 residual fuel oil	43	43	---	---
2540 petroleum coke	6	6	---	---
Total chemicals and related products	25	17	0	8
Subtotal fertilizers	14	14	---	---
3110 nitrogenous fert.	14	14	---	---
Subtotal other chemicals and related products	11	3	0	8
3220 alcohols	8	0	0	8
3230 carboxylic acids	1	1	---	---
3240 nitrogen func. comp.	0	0	---	---
3250 organo-inorganic comp.	0	---	0	---
3274 sodium hydroxide	1	1	---	---
3283 coloring mat. nec	0	0	---	---
3284 medicines	0	0	---	---
3286 plastics	0	0	0	---
3292 starches, gluten, glue	0	0	---	---
Total crude materials, inedible except fuels	1,314	332	10	971
Subtotal forest products, wood and chips	0	0	---	---
4190 forest products nec	0	0	---	---
Subtotal pulp and waste paper	23	22	1	---
4225 pulp & waste paper	23	22	1	---
Subtotal soil, sand, gravel, rock and stone	919	32	---	887
4323 gypsum	867	32	---	834
4331 sand & gravel	53	---	---	53
Subtotal iron ore and scrap	10	---	10	---
4420 iron & steel scrap	10	---	10	---
Subtotal non-ferrous ores and scrap	15	15	---	---
4650 aluminum ore	15	15	---	---
4680 non-ferrous scrap	0	0	---	---
Subtotal slag	43	43	---	---
4860 slag	43	43	---	---
Subtotal other non-metal. min.	304	220	---	84
4900 non-metal. min. nec	304	220	---	84
Total primary manufactured goods	244	243	0	---
Subtotal paper products	0	0	---	---
5190 paper products nec	0	0	---	---
Subtotal lime, cement and glass	243	243	---	---
5220 cement & concrete	243	243	---	---
5240 glass & glass prod.	0	0	---	---
5290 misc. mineral prod.	0	0	---	---
Subtotal primary iron and steel products	0	0	---	---
5360 i&s bars & shapes	0	0	---	---
5390 primary i&s nec	0	0	---	---
Subtotal primary non-ferrous metal products	1	1	0	---
5480 fab. metal products	1	1	0	---
Total food and farm products	150	112	38	---
Subtotal fish	0	0	---	---
6134 fish (not shellfish)	0	0	---	---
Subtotal grain	37	---	37	---
6241 wheat	1	---	1	---
6344 corn	35	---	35	---
Subtotal vegetable products	4	4	0	---
6653 vegetable oils	4	4	---	---
6654 vegetables & prod.	0	0	0	---
Subtotal processed grain and animal feed	1	0	1	---
6747 grain mill products	0	0	---	---
6782 animal feed, prep.	1	---	1	---
Subtotal other agricultural products	108	108	0	---
6835 fish, prepared	0	0	---	---
6838 tallow, animal oils	0	0	---	---
6839 animals & prod. nec	0	0	---	---

HUDSON RIVER, NY, MOUTH OF SPUYTEN DUYPIL CREEK (HARLEM RIVER) TO WATERFORD, NY
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports*	Imports*
6858 fruit juices	0	0	—	—
6861 sugar	43	43	—	—
6865 molasses	53	53	—	—
6871 coffee	0	0	—	—
6872 cocoa beans	10	10	—	—
6885 alcoholic beverages	0	0	0	—
6889 food products nec	1	1	—	—
Total all manufactured equipment, machinery and products	26	1	24	0
7110 machinery (not elec)	18	0	17	0
7120 electrical machinery	7	0	6	—
7210 vehicles & parts	0	—	0	—
7230 ships & boats	1	—	1	—
7400 manufac. wood prod.	0	0	—	—
7500 textile products	0	0	—	—
7600 rubber & plastic pr.	0	0	0	—
7900 manufac. prod. nec	1	1	0	—
Ton-miles (x1000)	182,024	98,699	8,348	74,977
Foreign & Canadian				

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound	Intra Downbnd
Total, all commodities	15,275	1,402	2,945	7,873	2,709	82	264
Total coal	39	39	—	—	—	—	—
1100 coal lignite	39	39	—	—	—	—	—
Total petroleum and petroleum products	9,005	1,012	—	7,868	43	81	2
Subtotal petroleum products	9,005	1,012	—	7,868	43	81	2
2211 gasoline	4,710	318	—	4,386	6	—	—
2221 kerosene	302	33	—	265	—	3	—
2330 distillate fuel oil	2,696	275	—	2,339	3	77	2
2340 residual fuel oil	914	106	—	774	35	—	—
2430 asphalt, tar & pitch	382	281	—	101	—	—	—
2990 petro. products nec	2	—	—	2	—	—	—
Total chemicals and related products	2	—	—	2	—	—	—
Subtotal other chemicals and related products	2	—	—	2	—	—	—
3276 metallic salts	2	—	—	2	—	—	—
Total crude materials, inedible except fuels	3,985	—	1,453	0	2,269	1	263
Subtotal forest products, wood and chips	0	—	—	0	—	—	—
4170 wood in the rough	0	—	—	0	—	—	—
Subtotal soil, sand, gravel, rock and stone	3,985	—	1,453	—	2,269	1	263
4310 building stone	1	—	—	—	1	—	—
4331 sand & gravel	3,984	—	1,453	—	2,268	1	263
Total primary manufactured goods	1,889	—	1,492	—	397	—	—
Subtotal lime, cement and glass	1,889	—	1,492	—	397	—	—
5220 cement & concrete	1,889	—	1,492	—	397	—	—
Total food and farm products	351	351	—	—	—	—	—
Subtotal other agricultural products	351	351	—	—	—	—	—
6861 sugar	351	351	—	—	—	—	—
Total waste and scrap nec	3	—	—	3	—	—	—
8900 waste and scrap nec	3	—	—	3	—	—	—
Ton-miles (x1000)	1,074,707	101,251	199,802	658,577	98,280	5,649	11,147
Domestic							
Tons All Traffic (x1000)	17,309						
Ton-miles All Traffic (x1000)	1,256,730						

*Includes 2 (x1000) tons of foreign outbound in-transits; Includes 118 (x1000) tons of Canadian inbound in-transits.

HUDSON RIVER, NY, DEEPWATER IN UPPER BAY, NY TO WATERFORD, NY (CONSOLIDATED REPORT)

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	24,167	1991	18,665	1994	16,732	1997	18,630
1989	21,355	1992	16,950	1995	15,822		
1990	19,288	1993	17,529	1996	17,473		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	2,592	1,385	174	980	54
Total coal	143	143	—	—	—
1100 coal lignite	143	143	—	—	—
1200 coal coke	0	0	—	—	—
Total petroleum and petroleum products	289	289	0	—	—
Subtotal crude petroleum	62	62	—	—	—
2100 crude petroleum	62	62	—	—	—
Subtotal petroleum products	226	226	0	—	—
2211 gasoline	164	164	—	—	—
2340 residual fuel oil	43	43	0	—	—
2350 lube oil & greases	0	0	0	—	—
2410 petro. jelly & waxes	0	0	0	—	—
2429 naphtha & solvents	0	—	0	—	—
2540 petroleum coke	19	19	—	—	—
2640 liquid natural gas	0	—	0	—	—
Total chemicals and related products	36	26	2	8	—
Subtotal fertilizers	14	14	—	—	—
3110 nitrogenous fert.	14	14	—	—	—
3130 potassic fert.	0	0	—	—	—
3190 fert. & mixes nec	0	0	—	—	—
Subtotal other chemicals and related products	22	12	2	8	—
3211 acyclic hydrocarbons	0	0	—	—	—
3219 other hydrocarbons	0	0	0	—	—
3220 alcohols	9	1	0	8	—
3230 carboxylic acids	1	1	—	—	—
3240 nitrogen func. comp.	1	0	0	—	—
3250 organo-inorganic comp.	0	0	0	—	—
3260 organic comp. nec	0	0	—	—	—
3274 sodium hydroxide	1	1	0	—	—
3275 inorg. elem. oxides, & halogen salts	0	0	0	—	—
3276 metallic salts	1	1	0	—	—
3279 inorganic chem. nec	0	0	0	—	—
3281 radioactive material	0	0	0	—	—
3282 pigments & paints	1	0	0	—	—
3283 coloring mat. nec	1	0	0	—	—
3284 medicines	0	0	0	—	—
3285 perfumes & cleansers	1	1	0	—	—
3286 plastics	4	3	0	—	—
3291 pesticides	0	0	—	—	—
3292 starches, gluten, glue	0	0	0	—	—
3297 chemical additives	0	0	0	—	—
3298 wood & resin chem.	0	0	—	—	—
3299 chem. products nec	0	0	0	—	—
Total crude materials, inedible except fuels	1,430	343	62	972	54
Subtotal forest products, wood and chips	5	1	4	0	—
4110 rubber & gums	0	0	—	—	—
4170 wood in the rough	0	0	0	—	—
4189 lumber	3	0	3	0	—
4190 forest products nec	1	1	—	—	—
Subtotal pulp and waste paper	26	22	3	—	—
4225 pulp & waste paper	26	22	3	—	—
Subtotal soil, sand, gravel, rock and stone	919	32	—	887	—
4310 building stone	0	0	—	—	—
4322 limestone	0	0	—	—	—
4323 gypsum	867	32	—	834	—
4331 sand & gravel	53	—	—	53	—
Subtotal iron ore and scrap	108	—	54	—	54
4410 iron ore	54	—	—	—	54
4420 iron & steel scrap	54	—	54	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—
Subtotal non-ferrous ores and scrap	15	15	0	—	—
4650 aluminum ore	15	15	—	—	—
4680 non-ferrous scrap	0	0	0	—	—
4690 non-ferrous ores nec	0	0	—	—	—
Subtotal sulphur, clay and salt	1	0	1	—	—
4782 clay & refrac. mat.	1	0	1	—	—
Subtotal slag	43	43	—	—	—
4860 slag	43	43	—	—	—
Subtotal other non-metal. min.	314	229	0	84	—
4900 non-metal. min. nec	314	229	0	84	—
Total primary manufactured goods	353	350	2	0	—
Subtotal paper products	8	7	1	0	—
5120 paper & paperboard	7	6	0	0	—
5190 paper products nec	0	0	0	—	—
Subtotal lime, cement and glass	337	337	0	—	—
5220 cement & concrete	309	309	—	—	—
5240 glass & glass prod.	1	1	0	—	—

HUDSON RIVER, NY, DEEPWATER IN UPPER BAY, NY TO WATERFORD, NY (CONSOLIDATED REPORT)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
5290 misc. mineral prod.	27	27	0	---	---
Subtotal primary iron and steel products	1	1	0	---	---
5312 pig iron	0	0	0	---	---
5315 ferro alloys	0	0	---	---	---
5330 i&s plates & sheets	0	0	0	---	---
5360 i&s bars & shapes	0	0	---	---	---
5370 i&s pipe & tube	0	0	0	---	---
5390 primary i&s nec	0	0	0	---	---
Subtotal primary non-ferrous metal products	5	4	1	---	---
5421 copper	1	1	0	---	---
5422 aluminum	0	0	0	---	---
5429 smelted prod. nec	1	1	0	---	---
5480 fab. metal products	3	3	0	---	---
Subtotal primary wood products	2	1	0	---	---
5540 primary wood prod.	2	1	0	---	---
Total food and farm products	189	147	42	0	---
Subtotal fish	1	1	0	0	---
6134 fish (not shellfish)	1	1	0	0	---
6136 shellfish	0	0	0	---	---
Subtotal grain	38	1	37	---	---
6241 wheat	1	---	1	---	---
6344 corn	35	---	35	---	---
6442 rice	1	1	---	---	---
Subtotal oilseeds	0	0	---	---	---
6590 oilseeds nec	0	0	---	---	---
Subtotal vegetable products	7	7	1	0	---
6653 vegetable oils	5	5	0	---	---
6654 vegetables & prod.	3	2	0	0	---
Subtotal processed grain and animal feed	5	2	3	---	---
6746 wheat flour	0	0	0	---	---
6747 grain mill products	2	2	0	---	---
6781 hay & fodder	2	---	2	---	---
6782 animal feed, prep.	1	0	1	---	---
Subtotal other agricultural products	138	136	2	0	---
6811 meat, fresh, frozen	1	0	1	---	---
6817 meat, prepared	1	1	0	---	---
6822 dairy products	1	1	0	---	---
6835 fish, prepared	1	1	0	0	---
6838 tallow, animal oils	0	0	0	---	---
6839 animals & prod. nec	1	1	0	0	---
6856 bananas & plantains	0	0	0	---	---
6857 fruit & nuts nec	3	2	0	---	---
6858 fruit juices	4	4	0	---	---
6861 sugar	45	45	---	---	---
6865 molasses	53	53	---	---	---
6871 coffee	3	3	0	---	---
6872 cocoa beans	12	12	---	---	---
6885 alcoholic beverages	7	6	0	---	---
6888 water & ice	1	1	---	---	---
6889 food products nec	5	5	0	---	---
6891 tobacco & products	0	0	0	---	---
6894 natural fibers nec	0	0	---	---	---
6899 farm products nec	1	1	0	---	---
Total all manufactured equipment, machinery and products	151	85	66	0	---
7110 machinery (not elec)	28	8	20	0	---
7120 electrical machinery	11	4	7	---	---
7210 vehicles & parts	89	52	37	---	---
7220 aircraft & parts	0	0	0	---	---
7230 ships & boats	1	0	1	---	---
7300 ordnance & access.	0	0	0	---	---
7400 manufac. wood prod.	1	1	0	---	---
7500 textile products	6	6	0	0	---
7600 rubber & plastic pr.	3	3	0	---	---
7900 manufac. prod. nec	12	12	1	0	---
Total unknown or not elsewhere classified	2	1	1	---	---
9900 unknown or nec	2	1	1	---	---
Ton-miles (x1000) Foreign & Canadian	184,279	100,311	8,772	74,980	216

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	16,037	1,405	2,945	8,072	3,269	82	264
Total coal	39	39	---	---	---	---	---
1100 coal lignite	39	39	---	---	---	---	---
Total petroleum and petroleum products	9,203	1,012	---	8,065	44	81	2
Subtotal petroleum products	9,203	1,012	---	8,065	44	81	2
2211 gasoline	4,715	318	---	4,391	6	---	---
2221 kerosene	340	33	---	304	---	3	---
2330 distillate fuel oil	2,769	275	---	2,412	3	77	2
2340 residual fuel oil	995	106	---	855	35	---	---
2350 lube oil & greases	0	---	---	0	---	---	---
2430 asphalt, tar & pitch	382	281	---	101	---	---	---

HUDSON RIVER, NY, DEEPWATER IN UPPER BAY, NY TO WATERFORD, NY (CONSOLIDATED REPORT)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
2990 petro. products nec	3	—	—	2	1	—	—
Total chemicals and related products	2	—	—	2	—	—	—
Subtotal other chemicals and related products	2	—	—	2	—	—	—
3276 metallic salts	2	—	—	2	—	—	—
Total crude materials, inedible except fuels	4,003	3	1,453	1	2,282	1	263
Subtotal forest products, wood and chips	0	—	—	0	—	—	—
4170 wood in the rough	0	—	—	0	—	—	—
Subtotal soil, sand, gravel, rock and stone	3,985	—	1,453	—	2,269	1	263
4310 building stone	1	—	—	—	1	—	—
4331 sand & gravel	3,984	—	1,453	—	2,268	1	263
Subtotal iron ore and scrap	17	3	—	1	14	—	—
4420 iron & steel scrap	17	3	—	1	14	—	—
Total primary manufactured goods	1,889	—	1,492	—	397	—	—
Subtotal lime, cement and glass	1,889	—	1,492	—	397	—	—
5220 cement & concrete	1,889	—	1,492	—	397	—	—
Total food and farm products	351	351	—	—	—	—	—
Subtotal other agricultural products	351	351	—	—	—	—	—
6861 sugar	351	351	—	—	—	—	—
Total waste and scrap nec	550	—	—	3	546	—	—
8900 waste and scrap nec	550	—	—	3	546	—	—
Ton-miles (x1000) Domestic	1,080,766	101,257	199,802	660,103	102,807	5,649	11,147
Tons All Traffic (x1000)	18,630						
Ton-miles All Traffic (x1000)	1,265,044						

*Includes 3 (x1000) tons of foreign inbound in-transits; Includes 4 (x1000) tons of foreign outbound in-transits;
Includes 118 (x1000) tons of Canadian inbound in-transits.

TARRYTOWN HARBOR, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)

Section Included: A channel along the wharf front; and northerly and southerly connecting channels to deep water in the Hudson River. Controlling Depth: 9 feet in north branch and 8 feet along wharf front and 7 feet in south branch. Project Depth: 12 feet. All at mean low water. Project Length: 1 mile. Navigation Season: 10 months of the year.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	461	1991	416	1994	339	1997	269
1989	397	1992	627	1995	232		
1990	178	1993	302	1996	232		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal Receipts
Total, all commodities	269	269
Total petroleum and petroleum products	7	7
Subtotal petroleum products	7	7
2330 distillate fuel oil	7	7
Total crude materials, inedible except fuels	263	263
Subtotal forest products, wood and chips	0	0
4170 wood in the rough	0	0
Subtotal soil, sand, gravel, rock and stone	263	263
4331 sand & gravel	263	263

PORT OF ALBANY, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)

Section Included: From the southerly end of Cabbage Island or Island Creek to the northerly limits of the cities of Rensselaer and Albany. Controlling Depth: 32 feet mean low water from the southerly end of Cabbage Island to 4,500 feet south of north limit of 32-foot project; thence 27 feet to north limit of 32-foot project; thence 14 feet to Waterford. Project Depth: 34 feet in rock and 32 feet in soft material to a point about 2,200 feet south of Dunn Memorial Bridge; thence 27 feet deep and 400 feet wide to 900 feet south of the Mall Dunn Bridge; thence 14 feet to Waterford. All at mean low water except from Albany to Troy Lock and Dam which is at lowest low water. Navigation Season: For barges, 8 months; for oceangoing vessels, 12 months.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	8,061	1991	5,967	1994	6,107	1997	6,819
1989	7,325	1992	5,674	1995	5,803		
1990	7,117	1993	6,053	1996	5,768		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports*	Imports*	Total	Coastwise Receipts	Internal		
							Receipts	Shipments	Intraport
Total, all commodities	6,819	779	72	473	5,495	692	4,793	7	4
Total petroleum and petroleum products	5,650	161	---	---	5,489	692	4,787	7	4
Subtotal crude petroleum	62	62	---	---	---	---	---	---	---
2100 crude petroleum	62	62	---	---	---	---	---	---	---
Subtotal petroleum products	5,588	98	---	---	5,489	692	4,787	7	4
2211 gasoline	3,401	55	---	---	3,346	285	3,061	---	---
2221 kerosene	209	---	---	---	209	29	180	---	---
2330 distillate fuel oil	1,412	---	---	---	1,412	226	1,180	2	4
2340 residual fuel oil	445	43	---	---	401	47	349	5	---
2430 asphalt, tar & pitch	119	---	---	---	119	104	15	---	---
2990 petro. products nec	2	---	---	---	2	---	2	---	---
Total chemicals and related products	27	17	---	8	2	---	2	---	---
Subtotal fertilizers	14	14	---	---	---	---	---	---	---
3110 nitrogenous fert.	14	14	---	---	---	---	---	---	---
Subtotal other chemicals and related products	12	2	---	8	2	---	2	---	---
3220 alcohols	8	---	---	8	---	---	---	---	---
3230 carboxylic acids	1	1	---	---	---	---	---	---	---
3274 sodium hydroxide	1	1	---	---	---	---	---	---	---
3276 metallic salts	2	---	---	---	2	---	2	---	---
Total crude materials, inedible except fuels	799	324	10	465	---	---	---	---	---
Subtotal pulp and waste paper	23	22	1	---	---	---	---	---	---
4225 pulp & waste paper	23	22	1	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	413	32	---	381	---	---	---	---	---
4323 gypsum	413	32	---	381	---	---	---	---	---
Subtotal iron ore and scrap	10	---	10	---	---	---	---	---	---
4420 iron & steel scrap	10	---	10	---	---	---	---	---	---
Subtotal non-ferrous ores and scrap	6	6	---	---	---	---	---	---	---
4650 aluminum ore	6	6	---	---	---	---	---	---	---
Subtotal slag	43	43	---	---	---	---	---	---	---
4860 slag	43	43	---	---	---	---	---	---	---
Subtotal other non-metal. min.	304	220	---	84	---	---	---	---	---
4900 non-metal. min. nec	304	220	---	84	---	---	---	---	---

PORT OF ALBANY, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports*	Imports*	Total	Coastwise Receipts	Receipts	Internal Shipments	Intraport
Total primary manufactured goods	220	220	0	---	---	---	---	---	---
Subtotal lime, cement and glass	220	220	---	---	---	---	---	---	---
5220 cement & concrete	220	220	---	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	0	---	0	---	---	---	---	---	---
5480 fab. metal products	0	---	0	---	---	---	---	---	---
Total food and farm products	96	58	38	---	---	---	---	---	---
Subtotal grain	37	---	37	---	---	---	---	---	---
6241 wheat	1	---	1	---	---	---	---	---	---
6344 corn	35	---	35	---	---	---	---	---	---
Subtotal vegetable products	4	4	---	---	---	---	---	---	---
6653 vegetable oils	4	4	---	---	---	---	---	---	---
Subtotal processed grain and animal feed	1	---	1	---	---	---	---	---	---
6782 animal feed, prep.	1	---	1	---	---	---	---	---	---
Subtotal other agricultural products	55	55	---	---	---	---	---	---	---
6865 molasses	53	53	---	---	---	---	---	---	---
6889 food products nec	1	1	---	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	24	---	24	0	---	---	---	---	---
7110 machinery (not elec)	17	---	17	0	---	---	---	---	---
7120 electrical machinery	6	---	6	---	---	---	---	---	---
7900 manufac. prod. nec	0	---	0	---	---	---	---	---	---
Total waste and scrap nec	3	---	---	---	3	---	3	---	---
8900 waste and scrap nec	3	---	---	---	3	---	3	---	---

*Includes 2 (x1000) tons of foreign outbound in-transits; Includes 118 (x1000) tons of Canadian inbound in-transits.

HEMPSTEAD HARBOR, NY

Section Included: From Long Island Sound to Roslyn Town Wharf. Controlling Depth: 6 feet from entrance of bar beach to 2,750 feet above entrance, thence 6 feet to 0.0 feet to head of project. Project Depth: 13 feet and 6 feet. All at mean low water. Project Length: 2.3 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,452	1991	782	1994	1,094	1997	1,510
1989	1,293	1992	678	1995	1,051		
1990	1,018	1993	835	1996	1,521		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total*	Coastwise Receipts
Total, all commodities	1,294	1,294
Total petroleum and petroleum products	556	556
Subtotal petroleum products	556	556
2211 gasoline	452	452
2330 distillate fuel oil	105	105
Total crude materials, inedible except fuels	738	738
Subtotal soil, sand, gravel, rock and stone	738	738
4331 sand & gravel	738	738

*Does not include 217 (x1000) tons of through traffic

PORT JEFFERSON HARBOR, NY

Section Included: From deep water in Long Island Sound to Port Jefferson Harbor, thence to village of Port Jefferson. Controlling Depth: 27 feet, turning basin 11 feet. Project Depth: 40 feet in entrance channel, 30 feet in turning basin, all at mean low water. Project Length: 2.3 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	3,839	1991	2,232	1994	2,101	1997	2,793
1989	2,801	1992	2,354	1995	2,018		
1990	2,998	1993	2,433	1996	2,988		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign Imports	Domestic		
			Total	Coastwise	
				Receipts	Shipments
Total, all commodities	2,793	90	2,702	2,695	8
Total petroleum and petroleum products	2,422	90	2,331	2,324	8
Subtotal petroleum products	2,422	90	2,331	2,324	8
2211 gasoline	976	---	976	976	---
2221 kerosene	23	---	23	23	---
2330 distillate fuel oil	1,256	90	1,166	1,158	8
2340 residual fuel oil	167	---	167	167	---
Total crude materials, inedible except fuels	371	---	371	371	---
Subtotal soil, sand, gravel, rock and stone	371	---	371	371	---
4331 sand & gravel	371	---	371	371	---
Total food and farm products	0	---	0	---	0
Subtotal other agricultural products	0	---	0	---	0
6887 groceries	0	---	0	---	0
Total all manufactured equipment, machinery and products	0	---	0	---	0
7110 machinery (not elec)	0	---	0	---	0

Other Harbors and Waterways 1997

Harbor or Waterway Project	Commodity	Thousand Short Tons
BRONX RIVER, NY (INCLUDED IN PORT OF NEW YORK)	4331 sand & gravel	10
	4420 iron & steel scrap	52
	Total Tons(x1000)	62
	Total Ton-miles(x1000)	125
BROWNS CREEK, NY	6888 water & ice	0
	7110 machinery (not elec)	0
	7900 manufac. prod. nec	2
	8900 waste and scrap nec	3
Total Tons(x1000)	5	
Total Ton-miles(x1000)	5	
BURLINGTON HARBOR, VT	No Commerce Reported	
CHEESEQUAKE CREEK, NJ (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
CONEY ISLAND CREEK, NY (INCLUDED IN PORT OF NEW YORK)	4331 sand & gravel	16
	Total Tons(x1000)	16
	Total Ton-miles(x1000)	16
ECHO BAY HARBOR, NY (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
ELIZABETH RIVER, NJ (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
FIRE ISLAND INLET, NY	No Commerce Reported	
GLEN COVE CREEK, NY	4331 sand & gravel	217
	Total Tons(x1000)	217
	Total Ton-miles(x1000)	217
GLEN COVE HARBOR, NY	No Commerce Reported	
GREAT KILLS HARBOR, STATEN ISLAND, NY (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
GREAT SOUTH BAY, NY (INCLUDING STATISTICS FOR PATCHOQUE RIVER, NY)	2211 gasoline	1
	2330 distillate fuel oil	0
	2340 residual fuel oil	1
	2990 petro. products nec	0
	6136 shellfish	0
	6888 water & ice	0
	7110 machinery (not elec)	0
	7900 manufac. prod. nec	11
	8900 waste and scrap nec	3
	Total Tons(x1000)	17
Total Ton-miles(x1000)	122	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
GREENPORT HARBOR, NY	No Commerce Reported	
HARLEM RIVER, NY (INCLUDED IN PORT OF NEW YORK)	1100 coal lignite	19
	2330 distillate fuel oil	0
	Total Tons(x1000)	19
	Total Ton-miles(x1000)	58
HUNTINGTON HARBOR, NY	No Commerce Reported	
JONES INLET, NY	No Commerce Reported	
KEYPORT HARBOR, NJ (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
LAKE MONTAUK HARBOR, NY	No Commerce Reported	
LARCHMONT HARBOR, NY (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
LEMON CREEK, STATEN ISLAND, NY (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
LONG ISLAND INTRACOASTAL WATERWAY, NY	2211 gasoline	1
	6136 shellfish	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	35
MAMARONECK HARBOR, NY (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
MANHASSET BAY, NY (INCLUDED IN PORT OF NEW YORK)	2330 distillate fuel oil	84
	Total Tons(x1000)	84
	Total Ton-miles(x1000)	294
MATTITUCK HARBOR, NY	6136 shellfish	0
	Total Tons(x1000)	0
NARROWS OF LAKE CHAMPLAIN, NY AND VT	No Commerce Reported	
NEW ROCHELLE HARBOR, NY (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
NORTHPORT HARBOR, NY	3282 pigments & paints	0
	6889 food products nec	0
	7110 machinery (not elec)	0
	Total Tons(x1000)	0

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
OROWOC CREEK, NY	No Commerce Reported	
PATCHOGUE RIVER, NY (INCLUDED IN STATISTICS FOR GREAT SOUTH BAY, NY)	No Commerce Reported	
PECONIC RIVER, NY	7110 machinery (not elec)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
PEEKSKILL HARBOR, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)	No Commerce Reported	
PORT CHESTER HARBOR, NY (INCLUDED IN PORT OF NEW YORK)	2211 gasoline	0
	2330 distillate fuel oil	75
	4331 sand & gravel	144
	Total Tons(x1000)	220
	Total Ton-miles(x1000)	221
PORT HENRY HARBOR, NY	No Commerce Reported	
RAHWAY RIVER, NJ (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
RONDOUT HARBOR, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)	2330 distillate fuel oil	67
	Total Tons(x1000)	67
ROUSES POINT, NY	No Commerce Reported	
SAG HARBOR, NY	No Commerce Reported	
SANDY HOOK BAY AT LEONARDO, NJ (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
SANDY HOOK BAY, NJ	No Commerce Reported	
SANDY HOOK CHANNEL, NY	No Commerce Reported	
SAUGERTIES HARBOR, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)	No Commerce Reported	
SHARK RIVER, NJ	No Commerce Reported	
SHEEPSHEAD BAY, NY	2330 distillate fuel oil	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SHINNECOCK INLET, NY	No Commerce Reported	
SHOAL HARBOR AND COMPTON CREEK, NJ (INCLUDED IN PORT OF NEW YORK)	6134 fish (not shellfish)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
SHREWSBURY RIVER, NJ	No Commerce Reported	
WALLABOUT CHANNEL, NY (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
WAYCAKE CREEK, NJ (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
WESTCHESTER CREEK, NY (INCLUDED IN PORT OF NEW YORK)	2330 distillate fuel oil	135
	2340 residual fuel oil	7
	Total Tons(x1000)	142
	Total Ton-miles(x1000)	410
Non-project		
GOWANUS CANAL, NY (INCLUDED IN PORT OF NEW YORK)	2330 distillate fuel oil	198
	2340 residual fuel oil	83
	4331 sand & gravel	164
	Total Tons(x1000)	445
	Total Ton-miles(x1000)	636
GRAVESEND BAY, NY (INCLUDED IN PORT OF NEW YORK)	2100 crude petroleum	811
	2211 gasoline	211
	2330 distillate fuel oil	236
	2340 residual fuel oil	370
	2350 lube oil & greases	0
	2430 asphalt, tar & pitch	4
	3220 alcohols	1
	3260 organic comp. nec	8
	4331 sand & gravel	16
	8900 waste and scrap nec	285
	Total Tons(x1000)	1,942
	Total Ton-miles(x1000)	2,024
OYSTER BAY, NY	2211 gasoline	123
	2330 distillate fuel oil	340
	4331 sand & gravel	1
	Total Tons(x1000)	463
	Total Ton-miles(x1000)	645

DELAWARE RIVER BETWEEN PHILADELPHIA, PA, AND TRENTON, NJ

Section Included: Allegheny Ave., Philadelphia, PA, to Trenton, NJ 30.5 miles and an auxiliary channel east of Burlington Island extending from the main channel to the upper end of United States Pipe & Foundry Co. At East Burlington, 1.4 miles. Controlling Depth in middle half of channel to U. S. Steel Co: Nov. 1989, 39.1 feet, 23.5 miles to the upper end of Newbold Island in Nov. 1989, 15.6 feet, 0.5 miles; in July 1988, 11.4 feet to Trenton Marine Terminal, 5.2 miles; and in July 1988, 10.7 feet to the Pennsylvania Railroad Bridge at Trenton 1.3 miles. Auxiliary Channel Burlington Island in January 1985, 8.2 feet. Project Depth: 40 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	11,760	1991	6,027	1994	5,979	1997	6,849
1989	11,232	1992	5,648	1995	6,088		
1990	8,604	1993	5,667	1996	6,439		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
Total, all commodities	2,711	1,975	229	507
Total coal	30	—	30	—
1100 coal lignite	1	—	1	—
1200 coal coke	29	—	29	—
Total petroleum and petroleum products	503	454	5	44
Subtotal crude petroleum	183	183	—	—
2100 crude petroleum	183	183	—	—
Subtotal petroleum products	319	271	5	44
2330 distillate fuel oil	11	11	—	—
2340 residual fuel oil	300	255	1	44
2350 lube oil & greases	4	—	4	—
2410 petro. jelly & waxes	5	4	0	—
2429 naphtha & solvents	0	—	0	—
2430 asphalt, tar & pitch	0	—	0	—
2540 petroleum coke	0	—	0	—
Total chemicals and related products	368	275	94	—
Subtotal fertilizers	47	45	2	—
3110 nitrogenous fert.	23	22	2	—
3130 potassic fert.	0	0	—	—
3190 fert. & mixes nec	23	23	0	—
Subtotal other chemicals and related products	322	230	92	—
3211 acyclic hydrocarbons	43	—	43	—
3219 other hydrocarbons	97	96	1	—
3220 alcohols	36	35	1	—
3230 carboxylic acids	23	22	1	—
3240 nitrogen func. comp.	1	0	1	—
3250 organo-inorganic comp.	1	0	1	—
3260 organic comp. nec	25	17	8	—
3274 sodium hydroxide	29	29	0	—
3275 inorg. elem. oxides, & halogen salts	5	4	1	—
3276 metallic salts	8	7	1	—
3279 inorganic chem. nec	0	0	0	—
3281 radioactive material	0	—	0	—
3282 pigments & paints	7	—	7	—
3283 coloring mat. nec	1	1	0	—
3284 medicines	5	0	5	—
3285 perfumes & cleansers	5	4	1	—
3286 plastics	27	10	17	—
3291 pesticides	1	0	1	—
3292 starches, gluten, glue	5	4	1	—
3297 chemical additives	1	—	1	—
3298 wood & resin chem.	1	1	0	—
3299 chem. products nec	2	0	2	—
Total crude materials, inedible except fuels	824	336	24	463
Subtotal forest products, wood and chips	10	10	0	—
4170 wood in the rough	0	0	0	—
4189 lumber	2	2	0	—
4190 forest products nec	8	8	0	—
Subtotal pulp and waste paper	19	0	19	—
4225 pulp & waste paper	19	0	19	—
Subtotal soil, sand, gravel, rock and stone	337	22	1	315
4310 building stone	0	0	0	—
4323 gypsum	337	22	0	315
4331 sand & gravel	1	0	1	—
Subtotal iron ore and scrap	195	46	0	149
4410 iron ore	195	46	—	149
4420 iron & steel scrap	0	—	0	—
Subtotal non-ferrous ores and scrap	1	0	0	—
4650 aluminum ore	0	0	0	—
4680 non-ferrous scrap	0	0	0	—
4690 non-ferrous ores nec	0	—	0	—
Subtotal sulphur, clay and salt	12	11	1	—
4782 clay & refrac. mat.	12	11	1	—
Subtotal slag	83	83	—	—
4860 slag	83	83	—	—
Subtotal other non-metal. min.	166	165	2	—
4900 non-metal. min. nec	166	165	2	—
Total primary manufactured goods	594	560	34	0
Subtotal paper products	20	1	19	—
5110 newsprint	1	—	1	—
5120 paper & paperboard	8	1	7	—

DELAWARE RIVER BETWEEN PHILADELPHIA, PA, AND TRENTON, NJ
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
5190 paper products nec	11	0	11	---
Subtotal lime, cement and glass	11	4	7	---
5220 cement & concrete	0	---	0	---
5240 glass & glass prod.	5	1	4	---
5290 misc. mineral prod.	6	3	3	---
Subtotal primary iron and steel products	543	538	5	0
5312 pig iron	1	---	1	---
5315 ferro alloys	3	3	---	---
5320 i&s primary forms	152	152	0	---
5330 i&s plates & sheets	288	284	4	0
5360 i&s bars & shapes	35	35	0	---
5370 i&s pipe & tube	7	7	0	---
5390 primary i&s nec	56	56	0	---
Subtotal primary non-ferrous metal products	12	9	3	---
5421 copper	2	0	1	---
5422 aluminum	1	0	0	---
5429 smelted prod. nec	5	5	0	---
5480 fab. metal products	5	3	1	---
Subtotal primary wood products	7	7	0	---
5540 primary wood prod.	7	7	0	---
Total food and farm products	304	286	18	0
Subtotal fish	3	3	0	---
6134 fish (not shellfish)	1	1	---	---
6136 shellfish	2	2	0	---
Subtotal grain	11	11	1	---
6344 corn	11	11	1	---
Subtotal oilseeds	6	6	0	---
6522 soybeans	6	6	---	---
6590 oilseeds nec	0	0	0	---
Subtotal vegetable products	9	6	3	---
6653 vegetable oils	0	---	0	---
6654 vegetables & prod.	9	6	3	---
Subtotal processed grain and animal feed	3	0	3	---
6747 grain mill products	2	0	2	---
6781 hay & fodder	0	---	0	---
6782 animal feed, prep.	2	0	1	---
Subtotal other agricultural products	272	260	12	0
6811 meat, fresh, frozen	18	16	2	---
6817 meat, prepared	15	15	0	---
6822 dairy products	5	3	2	---
6835 fish, prepared	1	1	0	---
6838 tallow, animal oils	0	---	0	---
6839 animals & prod. nec	4	4	1	0
6856 bananas & plantains	14	14	---	---
6857 fruit & nuts nec	148	148	0	---
6858 fruit juices	13	13	0	---
6861 sugar	0	0	0	---
6865 molasses	0	0	---	---
6871 coffee	21	21	---	---
6872 cocoa beans	14	14	0	---
6885 alcoholic beverages	1	0	0	---
6889 food products nec	14	9	5	---
6891 tobacco & products	1	1	---	---
6893 cotton	0	---	0	---
6899 farm products nec	2	0	1	---
Total all manufactured equipment, machinery and products	89	64	25	0
7110 machinery (not elec)	23	18	5	---
7120 electrical machinery	9	5	4	---
7210 vehicles & parts	6	3	4	---
7220 aircraft & parts	0	---	0	---
7230 ships & boats	0	---	0	---
7300 ordnance & access.	0	0	0	---
7400 manufac. wood prod.	3	3	0	---
7500 textile products	8	4	4	0
7600 rubber & plastic pr.	10	5	5	---
7900 manufac. prod. nec	30	26	4	---
Total unknown or not elsewhere classified	0	0	0	---
9900 unknown or nec	0	0	0	---
Ton-miles (x1000) Foreign & Canadian	42,929	31,102	2,031	9,796

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	4,138	558	213	2,143	866	349	10
Total coal	877	---	0	872	5	---	---
1100 coal lignite	872	---	0	872	---	---	---
1200 coal coke	5	---	---	---	5	---	---
Total petroleum and petroleum products	1,759	242	22	909	577	10	---
Subtotal petroleum products	1,759	242	22	909	577	10	---
2211 gasoline	662	77	9	577	---	---	---
2221 kerosene	19	5	---	2	5	6	---

DELAWARE RIVER BETWEEN PHILADELPHIA, PA. AND TRENTON, NJ
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd		
2330	distillate fuel oil	240	36	—	190	9	4	—
2340	residual fuel oil	797	100	10	140	547	—	—
2350	lube oil & greases	12	11	0	0	—	—	—
2410	petro. jelly & waxes	12	12	—	—	—	—	—
2429	naphtha & solvents	3	—	3	—	—	—	—
2430	asphalt, tar & pitch	0	0	—	—	—	—	—
2540	petroleum coke	14	—	—	—	14	—	—
2640	liquid natural gas	0	0	0	—	—	—	—
Total chemicals and related products		1,457	306	166	358	277	339	10
Subtotal other chemicals and related products		1,457	306	166	358	277	339	10
3211	acyclic hydrocarbons	3	—	3	—	—	—	—
3219	other hydrocarbons	957	243	17	358	—	339	—
3220	alcohols	333	30	19	—	274	—	10
3230	carboxylic acids	5	5	0	—	—	—	—
3240	nitrogen func. comp.	0	—	0	—	—	—	—
3260	organic comp. nec	124	—	124	—	—	—	—
3272	sulphuric acid	0	—	0	—	—	—	—
3273	ammonia	0	0	—	—	—	—	—
3274	sodium hydroxide	5	5	—	—	—	—	—
3275	inorg. elem., oxides, & halogen salts	0	0	0	—	—	—	—
3276	metallic salts	0	—	0	—	—	—	—
3279	inorganic chem. nec	0	—	0	—	—	—	—
3282	pigments & paints	0	—	0	—	—	—	—
3283	coloring mat. nec	0	0	0	—	—	—	—
3284	medicines	3	3	1	—	—	—	—
3285	perfumes & cleansers	1	0	0	—	—	—	—
3286	plastics	1	0	1	—	—	—	—
3291	pesticides	1	0	0	—	—	—	—
3292	starches, gluten, glue	0	0	0	—	—	—	—
3297	chemical additives	22	19	—	—	3	—	—
3299	chem. products nec	0	0	0	—	—	—	—
Total crude materials, inedible except fuels		1	0	1	—	—	—	—
Subtotal forest products, wood and chips		0	—	0	—	—	—	—
4170	wood in the rough	0	—	0	—	—	—	—
4189	lumber	0	—	0	—	—	—	—
4190	forest products nec	0	—	0	—	—	—	—
Subtotal soil, sand, gravel, rock and stone		0	—	0	—	—	—	—
4322	limestone	0	—	0	—	—	—	—
4327	phosphate rock	0	—	0	—	—	—	—
4331	sand & gravel	0	—	0	—	—	—	—
Subtotal iron ore and scrap		0	0	0	—	—	—	—
4420	iron & steel scrap	0	0	0	—	—	—	—
Subtotal non-ferrous ores and scrap		0	0	—	—	—	—	—
4680	non-ferrous scrap	0	0	—	—	—	—	—
Subtotal sulphur, clay and salt		0	—	0	—	—	—	—
4782	clay & refrac. mat.	0	—	0	—	—	—	—
Subtotal other non-metal. min.		0	—	0	—	—	—	—
4900	non-metal. min. nec	0	—	0	—	—	—	—
Total primary manufactured goods		8	4	3	—	2	—	—
Subtotal paper products		1	0	1	—	—	—	—
5110	newsprint	0	—	0	—	—	—	—
5120	paper & paperboard	0	—	0	—	—	—	—
5190	paper products nec	0	0	0	—	—	—	—
Subtotal lime, cement and glass		0	0	0	—	—	—	—
5220	cement & concrete	0	0	0	—	—	—	—
5240	glass & glass prod.	0	0	0	—	—	—	—
5290	misc. mineral prod.	0	—	0	—	—	—	—
Subtotal primary iron and steel products		0	—	0	—	—	—	—
5330	i&s plates & sheets	0	—	0	—	—	—	—
5370	i&s pipe & tube	0	—	0	—	—	—	—
5390	primary i&s nec	0	—	0	—	—	—	—
Subtotal primary non-ferrous metal products		7	4	1	—	2	—	—
5422	aluminum	0	0	0	—	—	—	—
5429	smelted prod. nec	0	—	0	—	—	—	—
5480	fab. metal products	6	4	1	—	2	—	—
Subtotal primary wood products		0	—	0	—	—	—	—
5540	primary wood prod.	0	—	0	—	—	—	—
Total food and farm products		15	3	11	1	—	—	—
Subtotal fish		1	1	0	—	—	—	—
6134	fish (not shellfish)	1	1	0	—	—	—	—
6136	shellfish	0	—	0	—	—	—	—
Subtotal oilseeds		0	—	0	—	—	—	—
6522	soybeans	0	—	0	—	—	—	—
Subtotal vegetable products		2	0	2	—	—	—	—
6653	vegetable oils	0	0	0	—	—	—	—
6654	vegetables & prod.	2	0	1	—	—	—	—
Subtotal processed grain and animal feed		1	0	1	—	—	—	—
6746	wheat flour	0	—	0	—	—	—	—
6747	grain mill products	0	0	0	—	—	—	—
6782	animal feed, prep.	0	0	0	—	—	—	—

DELAWARE RIVER BETWEEN PHILADELPHIA, PA, AND TRENTON, NJ
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Subtotal other agricultural products	12	2	8	1	---	---	---
6811 meat, fresh, frozen	0	0	0	---	---	---	---
6817 meat, prepared	0	---	0	---	---	---	---
6822 dairy products	1	---	1	---	---	---	---
6835 fish, prepared	1	1	0	---	---	---	---
6839 animals & prod. nec	0	0	0	---	---	---	---
6857 fruit & nuts nec	1	0	1	---	---	---	---
6858 fruit juices	1	0	1	---	---	---	---
6861 sugar	0	---	0	---	---	---	---
6871 coffee	0	0	---	---	---	---	---
6872 cocoa beans	0	0	---	---	---	---	---
6885 alcoholic beverages	0	0	0	---	---	---	---
6887 groceries	2	0	1	---	---	---	---
6888 water & ice	1	---	0	1	---	---	---
6889 food products nec	3	1	3	---	---	---	---
6891 tobacco & products	0	0	0	---	---	---	---
6893 cotton	0	0	0	---	---	---	---
Total all manufactured equipment, machinery and products	20	2	10	2	5	---	---
7110 machinery (not elec)	1	0	1	---	---	---	---
7120 electrical machinery	2	1	1	---	---	---	---
7210 vehicles & parts	1	0	1	---	---	---	---
7300 ordnance & access.	0	---	0	---	---	---	---
7400 manufac. wood prod.	0	0	0	---	---	---	---
7500 textile products	1	1	1	---	---	---	---
7600 rubber & plastic pr.	1	0	1	---	---	---	---
7800 empty containers	0	0	0	---	---	---	---
7900 manufac. prod. nec	15	1	6	2	5	---	---
Total waste and scrap nec	0	0	0	---	---	---	---
8900 waste and scrap nec	0	0	0	---	---	---	---
Total unknown or not elsewhere classified	0	0	0	---	---	---	---
9900 unknown or nec	0	0	0	---	---	---	---
Ton-miles (x1000) Domestic	40,076	1,362	622	35,691	1,567	813	21
Tons All Traffic (x1000)	6,849						
Ton-miles All Traffic (x1000)	83,006						

*Includes 30 (x1000) tons of foreign inbound in-transits; Includes 35 (x1000) tons of foreign outbound in-transits.

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)

Section Included: Deepwater in Delaware Bay to Allegheny Ave., Philadelphia, PA, 96.5 miles. Controlling Depth in middle half of channel: In Sept. 1989, 39.3 feet to the Philadelphia Naval Base, 88 miles: Thence in May 1989, 38 feet in middle half of the west side of the channel and in Sept. 1989, 34.7 feet in middle half of the east side of the channel through Philadelphia Harbor, 8.5 miles. Project Depth: 40 feet from the sea to Philadelphia Naval Base, thence 40 feet deep on the west side and 37 feet deep on the east side of the channel to Allegheny Ave. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	118,259	1991	109,917	1994	120,416	1997	112,245
1989	116,865	1992	113,168	1995	121,092		
1990	125,594	1993	120,510	1996	103,959		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports*	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total, all commodities	68,430	54,551	1,390	4,880	955	4,490	202	1,645	316
Total coal	435	78	4	---	40	---	---	---	314
1100 coal lignite	406	78	4	---	11	---	---	---	314
1200 coal coke	29	---	0	---	29	---	---	---	---
Total petroleum and petroleum products	51,892	46,967	262	968	138	3,367	109	82	---
Subtotal crude petroleum	49,802	46,188	---	488	---	3,126	---	---	---
2100 crude petroleum	49,802	46,188	---	488	---	3,126	---	---	---
Subtotal petroleum products	2,091	779	262	480	138	241	109	82	---
2211 gasoline	75	---	75	---	---	---	---	---	---
2221 kerosene	0	---	0	---	---	---	---	---	---
2330 distillate fuel oil	356	295	0	40	---	22	---	---	---
2340 residual fuel oil	997	298	43	397	1	178	---	82	---
2350 lube oil & greases	37	0	18	12	7	---	---	---	---

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports*	Through	
				Upbound	Downbnd			Upbound	Downbnd
2410 petro. jelly & waxes	10	2	1	5	1	—	—	—	—
2429 naphtha & solvents	184	137	3	20	3	22	0	—	—
2430 asphalt, tar & pitch	110	—	1	—	0	—	109	—	—
2540 petroleum coke	270	32	85	7	126	19	—	—	—
2640 liquid natural gas	52	15	36	—	—	—	—	—	—
Total chemicals and related products	1,621	675	149	434	168	56	70	68	0
Subtotal fertilizers	144	28	1	111	5	—	—	—	—
3110 nitrogenous fert.	116	25	0	88	2	—	—	—	—
3120 phosphatic fert.	0	—	0	—	—	—	—	—	—
3130 potassic fert.	0	—	—	0	—	—	—	—	—
3190 fert. & mixes nec	28	3	0	23	2	—	—	—	—
Subtotal other chemicals and related products	1,477	648	149	322	164	56	70	68	0
3211 acyclic hydrocarbons	114	66	5	—	43	—	—	—	—
3212 benzene & toluene	160	—	13	—	—	50	56	41	—
3219 other hydrocarbons	125	23	4	96	2	—	—	—	—
3220 alcohols	164	103	3	39	2	6	—	10	0
3230 carboxylic acids	33	3	4	23	3	—	—	—	—
3240 nitrogen func. comp.	10	2	6	0	2	—	—	—	—
3250 organo-inorganic comp.	5	1	2	0	2	—	—	—	—
3260 organic comp. nec	386	356	3	17	11	—	—	—	—
3272 sulphuric acid	22	0	0	5	0	—	—	17	—
3274 sodium hydroxide	85	12	0	58	0	—	15	—	—
3275 inorg. elem., oxides, & halogen salts	32	10	2	16	4	—	—	—	—
3276 metallic salts	56	4	5	41	7	—	—	—	—
3279 inorganic chem. nec	7	0	1	1	5	—	—	—	—
3281 radioactive material	1	0	0	0	0	—	—	—	—
3282 pigments & paints	22	1	10	1	10	—	0	—	—
3283 coloring mat. nec	6	2	1	3	0	—	—	—	—
3284 medicines	14	5	4	0	5	—	—	0	—
3285 perfumes & cleansers	18	4	6	4	4	—	—	—	—
3286 plastics	153	29	64	12	48	—	—	0	—
3291 pesticides	6	3	1	0	2	—	—	—	—
3292 starches, gluten, glue	34	21	3	4	6	—	0	—	—
3293 explosives	0	0	0	—	0	—	—	—	—
3297 chemical additives	5	0	3	0	2	—	—	—	—
3298 wood & resin chem.	2	0	0	1	0	—	—	—	—
3299 chem. products nec	19	3	9	1	6	—	0	—	—
Total crude materials, inedible except fuels	5,915	1,802	600	896	84	1,018	23	1,491	2
Subtotal forest products, wood and chips	169	26	3	35	43	—	—	62	—
4110 rubber & gums	7	0	0	7	0	—	—	—	—
4150 fuel wood	0	—	0	—	—	—	—	—	—
4170 wood in the rough	14	2	1	0	10	—	—	—	—
4189 lumber	138	22	2	20	32	—	—	62	—
4190 forest products nec	10	1	0	8	0	—	—	—	—
Subtotal pulp and waste paper	201	84	26	3	31	35	23	—	—
4225 pulp & waste paper	201	84	26	3	31	35	23	—	—
Subtotal soil, sand, gravel, rock and stone	1,740	0	11	59	1	388	—	1,281	—
4310 building stone	3	0	2	0	0	—	—	—	—
4322 limestone	1	—	1	—	—	—	—	—	—
4323 gypsum	1,691	—	0	22	0	388	—	1,281	—
4327 phosphate rock	1	—	1	—	—	—	—	—	—
4331 sand & gravel	45	0	7	37	1	—	—	—	—
Subtotal iron ore and scrap	2,527	1,262	469	52	0	595	—	149	—
4410 iron ore	2,052	1,262	0	46	—	595	—	149	—
4420 iron & steel scrap	475	—	468	6	0	—	—	—	—
Subtotal marine shells	0	0	—	—	—	—	—	—	—
4515 marine shells	0	0	—	—	—	—	—	—	—
Subtotal non-ferrous ores and scrap	191	17	1	169	2	—	—	0	2
4630 copper ore	0	—	0	—	—	—	—	—	—

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports*	Through	
				Upbound	Downbnd			Upbound	Downbnd
4650 aluminum ore	6	4	0	2	0	—	—	—	—
4670 manganese ore	1	—	—	1	—	—	—	—	—
4680 non-ferrous scrap	48	1	1	45	1	—	0	—	—
4690 non-ferrous ores nec	135	12	0	121	0	—	—	—	2
Subtotal sulphur, clay and salt	132	14	68	47	3	—	—	—	—
4741 sulphur, (dry)	1	1	0	0	—	—	—	—	—
4782 clay & refrac. mat.	131	13	68	47	3	—	—	—	—
Subtotal slag	143	49	0	95	—	—	—	—	—
4860 slag	143	49	0	95	—	—	—	—	—
Subtotal other non-metal. min.	813	350	23	435	4	—	—	0	—
4900 non-metal. min. nec	813	350	23	435	4	—	—	0	—
Total primary manufactured goods	4,879	3,540	164	906	218	49	0	2	1
Subtotal paper products	1,071	707	93	71	150	49	0	2	0
5110 newsprint	80	27	2	—	3	48	—	—	—
5120 paper & paperboard	959	678	82	65	131	0	0	2	0
5190 paper products nec	33	2	9	5	17	—	—	—	—
Subtotal lime, cement and glass	80	17	19	13	31	—	—	—	—
5210 lime	0	—	—	—	0	—	—	—	—
5220 cement & concrete	0	0	0	0	0	—	—	—	—
5240 glass & glass prod.	38	6	11	2	20	—	—	—	—
5290 misc. mineral prod.	41	11	8	11	11	—	—	—	—
Subtotal primary iron and steel products	3,343	2,533	29	762	19	—	—	0	1
5312 pig iron	12	1	4	6	1	—	—	—	—
5315 ferro alloys	52	44	1	6	1	—	—	—	—
5320 i&s primary forms	1,416	1,210	0	205	0	—	—	—	—
5330 i&s plates & sheets	1,389	1,012	11	350	15	—	—	0	1
5360 i&s bars & shapes	299	170	4	125	1	—	—	—	—
5370 i&s pipe & tube	65	48	9	7	1	—	—	—	—
5390 primary i&s nec	111	48	0	62	1	—	—	0	—
Subtotal primary non-ferrous metal products	116	29	22	50	15	0	—	—	0
5421 copper	13	6	0	2	4	—	—	—	—
5422 aluminum	21	6	4	6	4	—	—	—	—
5429 smelted prod. nec	48	6	7	34	1	—	—	—	—
5480 fab. metal products	34	10	10	7	6	0	—	—	0
Subtotal primary wood products	269	254	1	11	3	0	—	0	—
5540 primary wood prod.	269	254	1	11	3	0	—	0	—
Total food and farm products	3,064	1,385	62	1,532	83	0	0	1	0
Subtotal fish	28	10	2	15	1	—	—	0	—
6134 fish (not shellfish)	21	7	2	12	0	—	—	0	—
6136 shellfish	7	3	0	3	0	—	—	—	—
Subtotal grain	29	11	0	13	5	—	—	—	—
6344 corn	23	9	0	13	1	—	—	—	—
6442 rice	6	2	0	0	4	—	—	—	—
6443 barley & rye	0	0	—	—	0	—	—	—	—
6445 oats	0	—	—	—	0	—	—	—	—
6447 sorghum grains	0	—	—	—	0	—	—	—	—
Subtotal oilseeds	10	4	0	6	0	—	—	—	—
6521 peanuts	0	—	0	—	0	—	—	—	—
6522 soybeans	7	1	—	6	0	—	—	—	—
6534 flaxseed	0	—	—	—	0	—	—	—	—
6590 oilseeds nec	3	3	—	0	0	—	—	—	—
Subtotal vegetable products	61	11	11	22	17	—	—	—	0
6653 vegetable oils	2	0	0	1	1	—	—	—	—
6654 vegetables & prod.	59	11	10	22	16	—	—	—	0
Subtotal processed grain and animal feed	24	6	6	1	10	—	0	—	—
6746 wheat flour	0	—	0	—	0	—	—	—	—
6747 grain mill products	10	0	3	1	6	—	0	—	—
6781 hay & fodder	2	—	1	—	1	—	—	—	—
6782 animal feed, prep.	11	5	2	0	4	—	—	—	—

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports*	Through	
				Upbound	Downbnd			Upbound	Downbnd
Subtotal other agricultural products	2,912	1,344	43	1,474	48	0	—	1	0
6811 meat, fresh, frozen	308	213	15	73	6	—	—	—	0
6817 meat, prepared	28	4	0	18	6	—	—	—	—
6822 dairy products	67	55	4	3	5	—	—	—	—
6835 fish, prepared	4	0	1	2	0	—	—	—	—
6838 tallow, animal oils	0	—	0	0	0	—	—	—	—
6839 animals & prod. nec	17	11	1	4	1	0	—	0	—
6856 bananas & plantains	1,280	457	—	822	—	—	—	—	—
6857 fruit & nuts nec	725	323	2	394	5	—	—	—	—
6858 fruit juices	148	69	2	75	2	—	—	1	—
6861 sugar	1	0	0	0	0	—	—	—	—
6865 molasses	0	0	—	0	—	—	—	—	—
6871 coffee	37	8	0	28	0	0	—	0	—
6872 cocoa beans	146	124	1	21	0	0	—	—	—
6885 alcoholic beverages	64	50	0	12	2	—	—	—	—
6888 water & ice	14	10	0	4	0	—	—	—	—
6889 food products nec	55	13	10	15	17	0	—	—	—
6891 tobacco & products	12	6	4	1	1	—	—	—	—
6893 cotton	2	—	2	—	0	—	—	—	—
6894 natural fibers nec	0	0	0	—	—	—	—	—	—
6899 farm products nec	3	1	0	1	2	—	—	—	—
Total all manufactured equipment, machinery and products	607	101	144	143	218	0	0	1	0
7110 machinery (not elec)	166	26	62	45	32	—	0	0	—
7120 electrical machinery	46	5	15	9	16	0	0	0	—
7210 vehicles & parts	189	17	14	30	128	—	0	0	0
7220 aircraft & parts	0	—	0	0	0	—	—	0	—
7230 ships & boats	4	0	3	0	1	—	—	—	—
7300 ordnance & access.	1	0	1	0	0	—	—	—	—
7400 manufac. wood prod.	14	4	1	7	2	—	—	0	—
7500 textile products	53	18	13	9	13	—	—	0	—
7600 rubber & plastic pr.	43	10	14	9	11	0	—	0	0
7900 manufac. prod. nec	91	22	20	34	15	0	0	0	0
Total unknown or not elsewhere classified	16	2	6	2	6	0	—	—	—
9900 unknown or nec	16	2	6	2	6	0	—	—	—
Ton-miles Foreign & Canadian (x1000)	6,295,145	5,142,098	128,037	408,490	71,607	374,389	19,049	130,934	20,540

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	17,951	2,681	8,869	1,697	4,704
Total coal	1,303	—	—	—	1,303
1100 coal lignite	1,303	—	—	—	1,303
Total petroleum and petroleum products	13,530	1,206	8,362	934	3,028
Subtotal crude petroleum	388	16	364	8	—
2100 crude petroleum	388	16	364	8	—
Subtotal petroleum products	13,142	1,190	7,998	926	3,028
2211 gasoline	2,390	104	1,745	172	370
2221 kerosene	143	—	110	5	28
2330 distillate fuel oil	3,611	262	3,059	58	233
2340 residual fuel oil	4,995	273	2,151	322	2,249
2350 lube oil & greases	626	480	131	11	4
2410 petro. jelly & waxes	78	—	0	78	—
2429 naphtha & solvents	174	38	62	8	66
2430 asphalt, tar & pitch	1,102	33	725	272	72
2540 petroleum coke	7	—	0	—	7
2640 liquid natural gas	0	—	0	0	0
2990 petro. products nec	15	—	15	—	—
Total chemicals and related products	1,982	1,367	100	344	170
Subtotal fertilizers	35	31	0	4	—
3110 nitrogenous fert.	35	31	0	4	—
Subtotal other chemicals and related products	1,947	1,335	100	341	170
3211 acyclic hydrocarbons	4	—	0	—	3
3212 benzene & toluene	25	—	25	—	—

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbd
3219 other hydrocarbons	285	19	0	249	17
3220 alcohols	78	24	5	30	19
3230 carboxylic acids	6	1	0	5	0
3240 nitrogen func. comp.	0	—	—	—	0
3250 organo-inorganic comp.	0	—	0	—	—
3260 organic comp. nec	125	—	1	0	124
3272 sulphuric acid	16	3	10	3	0
3273 ammonia	0	—	0	—	—
3274 sodium hydroxide	245	224	—	17	4
3275 inorg. elem.oxides, & halogen salts	10	6	5	0	0
3276 metallic salts	0	—	0	—	0
3279 inorganic chem. nec	0	—	0	—	0
3282 pigments & paints	2	—	1	—	0
3283 coloring mat. nec	0	—	—	0	0
3284 medicines	4	—	0	3	1
3285 perfumes & cleansers	4	—	3	0	1
3286 plastics	2	—	1	0	1
3291 pesticides	1	—	0	0	0
3292 starches, gluten, glue	1	—	0	0	0
3297 chemical additives	1,076	1,039	6	31	—
3298 wood & resin chem.	9	9	—	—	—
3299 chem. products nec	54	11	41	1	0
Total crude materials, inedible except fuels	53	7	20	1	25
Subtotal forest products, wood and chips	3	2	1	0	0
4110 rubber & gums	1	1	0	—	—
4161 wood chips	0	—	0	—	—
4170 wood in the rough	0	—	0	—	0
4189 lumber	1	0	0	0	0
4190 forest products nec	1	0	0	—	0
Subtotal pulp and waste paper	6	5	0	0	—
4225 pulp & waste paper	6	5	0	0	—
Subtotal soil, sand, gravel, rock and stone	25	—	0	—	25
4322 limestone	25	—	0	—	24
4327 phosphate rock	0	—	—	—	0
4331 sand & gravel	0	—	—	—	0
Subtotal iron ore and scrap	17	—	17	0	0
4420 iron & steel scrap	17	—	17	0	0
Subtotal non-ferrous ores and scrap	0	—	0	0	—
4650 aluminum ore	0	—	0	—	—
4680 non-ferrous scrap	0	—	—	0	—
Subtotal sulphur, clay and salt	0	—	—	—	0
4782 clay & refrac. mat.	0	—	—	—	0
Subtotal other non-metal. min.	2	—	2	—	0
4900 non-metal. min. nec	2	—	2	—	0
Total primary manufactured goods	518	11	94	340	73
Subtotal paper products	15	4	9	2	1
5110 newsprint	0	—	0	—	0
5120 paper & paperboard	2	—	0	2	0
5190 paper products nec	13	4	8	0	0
Subtotal lime, cement and glass	401	0	6	324	71
5220 cement & concrete	394	—	—	323	71
5240 glass & glass prod.	5	—	5	0	0
5290 misc. mineral prod.	2	0	1	1	0
Subtotal primary iron and steel products	25	—	17	8	0
5330 i&s plates & sheets	0	—	0	—	0
5360 i&s bars & shapes	0	—	0	0	—
5370 i&s pipe & tube	1	—	0	—	0
5390 primary i&s nec	24	—	16	8	0
Subtotal primary non-ferrous metal products	76	7	61	6	1
5421 copper	0	—	0	—	—
5422 aluminum	0	—	0	0	0
5429 smelted prod. nec	5	—	5	—	0
5480 fab. metal products	70	7	56	6	1
Subtotal primary wood products	1	—	1	—	0
5540 primary wood prod.	1	—	1	—	0
Total food and farm products	223	59	145	9	11
Subtotal fish	1	—	1	1	0
6134 fish (not shellfish)	1	—	0	1	0
6136 shellfish	0	—	0	—	0
Subtotal grain	0	—	0	—	—
6344 corn	0	—	0	—	—
Subtotal oilseeds	0	—	—	—	0
6522 soybeans	0	—	—	—	0
Subtotal vegetable products	4	—	2	1	2
6653 vegetable oils	0	—	0	0	0
6654 vegetables & prod.	4	—	2	1	1
Subtotal processed grain and animal feed	5	—	4	0	1
6746 wheat flour	0	—	0	—	0
6747 grain mill products	1	—	1	0	0
6781 hay & fodder	0	—	3	—	—
6782 animal feed, prep.	3	—	0	—	0
Subtotal other agricultural products	213	59	138	8	8
6811 meat, fresh, frozen	4	—	4	0	0
6817 meat, prepared	0	—	0	—	0
6822 dairy products	5	—	4	—	1
6835 fish, prepared	1	—	0	1	0
6839 animals & prod. nec	1	—	1	0	0
6857 fruit & nuts nec	1	—	0	0	1
6858 fruit juices	2	—	1	0	1

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
6861 sugar	4	—	—	4	0
6871 coffee	0	—	0	0	—
6872 cocoa beans	0	—	—	0	—
6885 alcoholic beverages	3	—	1	2	0
6887 groceries	167	58	106	0	1
6888 water & ice	2	—	1	1	0
6889 food products nec	23	—	19	1	3
6891 tobacco & products	1	0	0	0	0
6893 cotton	0	—	0	0	0
6899 farm products nec	0	—	0	—	—
Total all manufactured equipment, machinery and products	340	31	148	69	92
7110 machinery (not elec)	13	1	10	0	1
7120 electrical machinery	28	3	23	1	1
7210 vehicles & parts	23	1	22	0	1
7230 ships & boats	0	—	0	—	—
7300 ordnance & access.	0	—	—	—	0
7400 manufac. wood prod.	1	—	1	0	0
7500 textile products	9	1	7	1	1
7600 rubber & plastic pr.	14	1	7	6	1
7800 empty containers	0	—	—	0	0
7900 manufac. prod. nec	253	24	79	62	88
Total waste and scrap nec	0	—	—	0	0
8900 waste and scrap nec	0	—	—	0	0
Total unknown or not elsewhere classified	1	—	1	0	0
9900 unknown or nec	1	—	1	0	0
Ton-miles (x1000) Coastwise	1,468,509	224,792	720,599	136,020	387,099

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	25,865	1,443	2,113	1,525	2,228	1,515	937	15,494	609
Total coal	1,266	389	—	—	—	872	5	—	—
1100 coal lignite	1,261	389	—	—	—	872	—	—	—
1200 coal coke	5	—	—	—	—	—	5	—	—
Total petroleum and petroleum products	23,121	940	2,096	1,368	1,988	210	604	15,447	468
Subtotal crude petroleum	14,535	37	—	50	—	—	—	14,448	—
2100 crude petroleum	14,535	37	—	50	—	—	—	14,448	—
Subtotal petroleum products	8,586	903	2,096	1,318	1,988	210	604	998	468
2211 gasoline	1,599	12	69	594	260	90	173	313	89
2221 kerosene	62	3	2	12	3	4	12	11	15
2330 distillate fuel oil	2,345	51	1,154	280	349	75	88	258	89
2340 residual fuel oil	3,330	837	818	300	475	41	313	293	252
2350 lube oil & greases	22	—	7	0	0	—	—	10	3
2429 naphtha & solvents	240	—	45	94	47	—	—	34	20
2430 asphalt, tar & pitch	925	—	—	37	854	—	4	30	—
2540 petroleum coke	14	—	—	—	—	—	14	—	—
2990 petro. products nec	49	—	—	—	—	—	—	49	—
Total chemicals and related products	1,113	36	3	145	213	276	274	37	129
Subtotal fertilizers	28	28	—	—	—	—	—	—	—
3110 nitrogenous fert.	28	28	—	—	—	—	—	—	—
Subtotal other chemicals and related products	1,085	8	3	145	213	276	274	37	129
3212 benzene & toluene	35	—	—	6	21	—	—	1	7
3219 other hydrocarbons	365	—	—	82	—	276	—	7	—
3220 alcohols	274	—	—	—	—	—	274	—	—
3272 sulphuric acid	62	—	—	—	31	—	—	—	31
3274 sodium hydroxide	80	8	—	—	33	—	—	2	37
3276 metallic salts	109	—	—	—	109	—	—	—	—

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
3297 chemical additives	160	—	3	57	19	—	—	26	55
Total crude materials, inedible except fuels	204	60	13	8	27	67	28	1	—
Subtotal soil, sand, gravel, rock and stone	1	1	—	—	—	—	—	—	—
4331 sand & gravel	1	1	—	—	—	—	—	—	—
Subtotal iron ore and scrap	140	59	—	—	17	36	26	1	—
4420 iron & steel scrap	140	59	—	—	17	36	26	1	—
Subtotal marine shells	22	1	13	8	1	—	—	—	—
4515 marine shells	22	1	13	8	1	—	—	—	—
Subtotal non-ferrous ores and scrap	41	—	—	—	9	30	2	—	—
4680 non-ferrous scrap	11	—	—	—	9	—	2	—	—
4690 non-ferrous ores nec	30	—	—	—	—	30	—	—	—
Total primary manufactured goods	104	0	0	—	—	84	20	—	0
Subtotal primary iron and steel products	18	—	—	—	—	—	18	—	—
5360 i&s bars & shapes	17	—	—	—	—	—	17	—	—
5370 i&s pipe & tube	0	—	—	—	—	—	0	—	—
Subtotal primary non-ferrous metal products	21	0	0	—	—	19	2	—	0
5480 fab. metal products	21	0	0	—	—	19	2	—	0
Subtotal primary wood products	65	—	—	—	—	65	—	—	—
5540 primary wood prod.	65	—	—	—	—	65	—	—	—
Total food and farm products	32	6	0	4	1	2	—	9	11
Subtotal fish	5	—	—	2	0	2	—	—	—
6134 fish (not shellfish)	4	—	—	2	—	2	—	—	—
6136 shellfish	1	—	—	1	0	0	—	—	—
Subtotal other agricultural products	27	6	0	1	0	—	—	9	11
6887 groceries	8	6	0	—	0	—	—	1	1
6888 water & ice	19	—	—	1	0	—	—	8	10
Total all manufactured equipment, machinery and products	25	12	0	0	0	4	7	1	1
7110 machinery (not elec)	4	2	0	0	0	2	—	—	—
7220 aircraft & parts	0	—	—	—	0	—	—	—	—
7400 manufac. wood prod.	0	—	—	0	—	—	—	—	—
7600 rubber & plastic pr.	1	—	—	—	—	—	1	—	—
7900 manufac. prod. nec	19	10	—	—	—	2	5	1	1
Ton-miles Internal (x1000)	1,169,720	26,266	25,462	30,335	39,813	44,116	26,887	969,746	7,096

Tons All Traffic (x1000) 112,245
Ton-miles All Traffic (x1000) 8,933,374

*Includes 590 (x1000) tons of foreign inbound in-transits; Includes 191 (x1000) tons of foreign outbound in-transits;
Includes 113 (x1000) tons of Canadian inbound in-transits; Includes 12 (x1000) tons of Canadian outbound in-transits.

DELAWARE RIVER AT CAMDEN, NJ (INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA)

Section Included: Newton Creek, NJ to Cooper Point, NJ, 4 miles. Controlling Depth: May 1989, 30 feet from Newton Creek to Berkely St. and thence in May 1989, 17.4 feet to Cooper Point. Project Depth: 18 feet, 30 feet and 37 feet at mean low water (37 feet deferred for restudy).

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	4,032	1991	5,668	1994	5,669	1997	6,570
1989	4,163	1992	4,855	1995	5,919		
1990	4,379	1993	4,664	1996	5,765		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
Total, all commodities	4,197	3,041	716	441
Total coal	41	41	0	—
1100 coal lignite	41	41	0	—
Total petroleum and petroleum products	1,201	1,067	90	44
Subtotal crude petroleum	740	740	—	—
2100 crude petroleum	740	740	—	—
Subtotal petroleum products	461	327	90	44
2330 distillate fuel oil	54	54	—	—
2340 residual fuel oil	317	273	0	44
2350 lube oil & greases	4	—	4	—
2410 petro. jelly & waxes	1	—	1	—
2429 naphtha & solvents	0	—	0	—
2540 petroleum coke	85	—	85	—
2640 liquid natural gas	0	—	0	—
Total chemicals and related products	38	15	14	9
Subtotal fertilizers	0	—	0	—
3110 nitrogenous fert.	0	—	0	—
3120 phosphatic fert.	0	—	0	—
3190 fert. & mixes nec	0	—	0	—
Subtotal other chemicals and related products	38	15	14	9
3211 acyclic hydrocarbons	0	—	0	—
3212 benzene & toluene	9	—	—	9
3219 other hydrocarbons	0	0	0	—
3220 alcohols	1	—	1	—
3230 carboxylic acids	0	—	0	—
3240 nitrogen func. comp.	1	—	1	—
3250 organo-inorganic comp.	0	0	0	—
3260 organic comp. nec	14	14	0	—
3274 sodium hydroxide	0	—	0	—
3275 inorg. elem., oxides, & halogen salts	0	0	0	—
3276 metallic salts	1	—	1	—
3279 inorganic chem. nec	0	—	0	—
3281 radioactive material	0	0	—	—
3282 pigments & paints	1	—	1	—
3283 coloring mat. nec	0	0	0	—
3284 medicines	0	0	0	—
3285 perfumes & cleansers	2	0	2	—
3286 plastics	4	0	4	—
3291 pesticides	0	0	0	—
3292 starches, gluten, glue	0	0	0	—
3297 chemical additives	1	—	1	—
3298 wood & resin chem.	0	—	0	—
3299 chem. products nec	2	0	1	—
Total crude materials, inedible except fuels	1,097	186	523	388
Subtotal forest products, wood and chips	15	14	1	—
4110 rubber & gums	0	0	0	—
4170 wood in the rough	2	2	0	—
4189 lumber	12	11	1	—
4190 forest products nec	0	0	0	—
Subtotal pulp and waste paper	15	—	15	—
4225 pulp & waste paper	15	—	15	—
Subtotal soil, sand, gravel, rock and stone	390	—	2	388
4310 building stone	2	—	2	—
4323 gypsum	388	—	—	388
4331 sand & gravel	1	—	1	—
Subtotal iron ore and scrap	533	65	468	—
4410 iron ore	65	65	0	—
4420 iron & steel scrap	468	—	468	—
Subtotal non-ferrous ores and scrap	12	12	0	—
4680 non-ferrous scrap	1	1	0	—
4690 non-ferrous ores nec	11	11	—	—
Subtotal sulphur, clay and salt	25	—	25	—
4782 clay & refrac. mat.	25	—	25	—
Subtotal slag	49	49	—	—
4860 slag	49	49	—	—
Subtotal other non-metal. min.	59	47	12	—
4900 non-metal. min. nec	59	47	12	—
Total primary manufactured goods	1,031	1,005	26	—
Subtotal paper products	19	4	15	—
5110 newsprint	5	3	1	—
5120 paper & paperboard	10	0	10	—
5190 paper products nec	4	0	4	—

DELAWARE RIVER AT CAMDEN, NJ (INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
Subtotal lime, cement and glass	2	0	2	---
5220 cement & concrete	0	---	0	---
5240 glass & glass prod.	1	0	1	---
5290 misc. mineral prod.	1	0	1	---
Subtotal primary iron and steel products	831	826	5	---
5312 pig iron	0	---	0	---
5315 ferro alloys	3	3	---	---
5320 i&s primary forms	64	64	0	---
5330 i&s plates & sheets	630	628	2	---
5360 i&s bars & shapes	70	69	0	---
5370 i&s pipe & tube	28	25	3	---
5390 primary i&s nec	37	36	0	---
Subtotal primary non-ferrous metal products	12	8	4	---
5421 copper	1	1	0	---
5422 aluminum	3	2	1	---
5429 smelted prod. nec	2	2	---	---
5480 fab. metal products	6	3	3	---
Subtotal primary wood products	167	167	0	---
5540 primary wood prod.	167	167	0	---
Total food and farm products	736	710	26	0
Subtotal fish	2	0	1	---
6134 fish (not shellfish)	1	0	1	---
6136 shellfish	0	0	0	---
Subtotal grain	7	7	0	---
6344 corn	7	7	0	---
6443 barley & rye	0	0	---	---
Subtotal oilseeds	1	1	0	---
6521 peanuts	0	---	0	---
6522 soybeans	0	0	---	---
6590 oilseeds nec	1	---	---	---
Subtotal vegetable products	8	4	4	---
6653 vegetable oils	0	---	0	---
6654 vegetables & prod.	8	4	4	---
Subtotal processed grain and animal feed	2	0	2	---
6746 wheat flour	0	---	0	---
6747 grain mill products	1	0	1	---
6781 hay & fodder	0	---	0	---
6782 animal feed, prep.	1	---	1	---
Subtotal other agricultural products	716	697	19	0
6811 meat, fresh, frozen	41	37	4	---
6817 meat, prepared	0	0	0	---
6822 dairy products	2	---	2	---
6835 fish, prepared	0	0	0	---
6838 tallow, animal oils	0	---	0	---
6839 animals & prod. nec	0	0	0	---
6856 bananas & plantains	284	284	---	---
6857 fruit & nuts nec	287	286	1	---
6858 fruit juices	43	42	1	---
6861 sugar	0	---	0	---
6871 coffee	5	5	0	0
6872 cocoa beans	42	41	1	0
6885 alcoholic beverages	1	1	0	---
6888 water & ice	0	---	0	---
6889 food products nec	7	2	4	0
6891 tobacco & products	3	0	2	---
6893 cotton	1	---	1	---
6894 natural fibers nec	0	---	0	---
Total all manufactured equipment, machinery and products	52	17	35	---
7110 machinery (not elec)	11	3	8	---
7120 electrical machinery	6	1	5	---
7210 vehicles & parts	7	0	7	---
7230 ships & boats	2	0	2	---
7300 ordnance & access.	0	---	0	---
7400 manufac. wood prod.	3	2	0	---
7500 textile products	12	8	5	---
7600 rubber & plastic pr.	4	1	3	---
7900 manufac. prod. nec	7	2	5	---
Total unknown or not elsewhere classified	3	1	2	---
9900 unknown or nec	3	1	2	---

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	2,373	372	599	651	715	35
Total petroleum and petroleum products	1,694	240	142	588	689	35
Subtotal petroleum products	1,694	240	142	588	689	35
2211 gasoline	198	94	---	85	20	---
2221 kerosene	34	5	7	11	12	---
2330 distillate fuel oil	222	36	52	109	25	---
2340 residual fuel oil	1,191	85	81	358	632	35
2350 lube oil & greases	2	---	1	1	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---
2430 asphalt, tar & pitch	46	20	---	26	---	---
2540 petroleum coke	0	---	0	---	---	---
2640 liquid natural gas	0	---	0	---	---	---

DELAWARE RIVER AT CAMDEN, NJ (INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
2990 petro. products nec	1	—	1	—	—	—
Total chemicals and related products	74	24	51	—	—	—
Subtotal fertilizers	13	13	0	—	—	—
3110 nitrogenous fert.	13	13	0	—	—	—
Subtotal other chemicals and related products	62	11	50	—	—	—
3211 acyclic hydrocarbons	0	—	0	—	—	—
3219 other hydrocarbons	0	—	0	—	—	—
3220 alcohols	2	—	2	—	—	—
3230 carboxylic acids	0	—	0	—	—	—
3250 organo-inorganic comp.	0	—	0	—	—	—
3272 sulphuric acid	0	—	0	—	—	—
3273 ammonia	0	—	0	—	—	—
3275 inorg. elem. oxides, & halogen salts	5	—	5	—	—	—
3276 metallic salts	0	—	0	—	—	—
3279 inorganic chem. nec	0	—	0	—	—	—
3282 pigments & paints	1	—	1	—	—	—
3284 medicines	0	—	0	—	—	—
3285 perfumes & cleansers	3	—	3	—	—	—
3286 plastics	1	—	1	—	—	—
3291 pesticides	0	—	0	—	—	—
3292 starches, gluten, glue	0	—	0	—	—	—
3299 chem. products nec	49	11	37	—	—	—
Total crude materials, inedible except fuels	113	7	20	60	26	—
Subtotal forest products, wood and chips	3	2	1	—	—	—
4110 rubber & gums	1	1	0	—	—	—
4161 wood chips	0	—	0	—	—	—
4170 wood in the rough	0	—	0	—	—	—
4189 lumber	1	0	0	—	—	—
4190 forest products nec	1	0	0	—	—	—
Subtotal pulp and waste paper	6	5	0	—	—	—
4225 pulp & waste paper	6	5	0	—	—	—
Subtotal soil, sand, gravel, rock and stone	0	—	0	—	—	—
4322 limestone	0	—	0	—	—	—
Subtotal iron ore and scrap	94	—	17	60	17	—
4420 iron & steel scrap	94	—	17	60	17	—
Subtotal non-ferrous ores and scrap	9	—	0	—	9	—
4650 aluminum ore	0	—	0	—	—	—
4680 non-ferrous scrap	9	—	—	—	9	—
Subtotal other non-metal. min.	2	—	2	—	—	—
4900 non-metal. min. nec	2	—	2	—	—	—
Total primary manufactured goods	105	11	94	—	—	—
Subtotal paper products	12	4	8	—	—	—
5110 newsprint	0	—	0	—	—	—
5120 paper & paperboard	0	—	0	—	—	—
5190 paper products nec	12	4	8	—	—	—
Subtotal lime, cement and glass	6	0	6	—	—	—
5240 glass & glass prod.	5	—	5	—	—	—
5290 misc. mineral prod.	1	0	1	—	—	—
Subtotal primary iron and steel products	17	—	17	—	—	—
5330 i&s plates & sheets	0	—	0	—	—	—
5360 i&s bars & shapes	0	—	0	—	—	—
5370 i&s pipe & tube	0	—	0	—	—	—
5390 primary i&s nec	16	—	16	—	—	—
Subtotal primary non-ferrous metal products	68	7	61	—	—	—
5421 copper	0	—	0	—	—	—
5422 aluminum	0	—	0	—	—	—
5429 smelted prod. nec	5	—	5	—	—	—
5480 fab. metal products	63	7	56	—	—	—
Subtotal primary wood products	1	—	1	—	—	—
5540 primary wood prod.	1	—	1	—	—	—
Total food and farm products	205	59	145	2	—	—
Subtotal fish	1	—	1	—	—	—
6134 fish (not shellfish)	0	—	0	—	—	—
6136 shellfish	0	—	0	—	—	—
Subtotal grain	0	—	0	—	—	—
6344 corn	0	—	0	—	—	—
Subtotal vegetable products	2	—	2	—	—	—
6653 vegetable oils	0	—	0	—	—	—
6654 vegetables & prod.	2	—	2	—	—	—
Subtotal processed grain and animal feed	4	—	4	—	—	—
6746 wheat flour	0	—	0	—	—	—
6747 grain mill products	1	—	1	—	—	—
6781 hay & fodder	0	—	0	—	—	—
6782 animal feed, prep.	3	—	3	—	—	—
Subtotal other agricultural products	199	59	138	2	—	—
6811 meat, fresh, frozen	4	—	4	—	—	—
6817 meat, prepared	0	—	0	—	—	—
6822 dairy products	4	—	4	—	—	—
6835 fish, prepared	0	—	0	—	—	—
6839 animals & prod. nec	1	—	1	—	—	—
6857 fruit & nuts nec	0	—	0	—	—	—
6858 fruit juices	1	—	1	—	—	—
6871 coffee	0	—	0	—	—	—
6885 alcoholic beverages	1	—	1	—	—	—
6887 groceries	165	58	106	—	—	—
6888 water & ice	3	—	1	2	—	—
6889 food products nec	19	—	19	—	—	—
6891 tobacco & products	1	0	0	—	—	—
6893 cotton	0	—	0	—	—	—

DELAWARE RIVER AT CAMDEN, NJ (INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
6899 farm products nec	0	—	0	—	—	—
Total all manufactured equipment, machinery and products	181	31	148	2	—	—
7110 machinery (not elec)	13	1	10	2	—	—
7120 electrical machinery	26	3	23	—	—	—
7210 vehicles & parts	23	1	22	—	—	—
7230 ships & boats	0	—	0	—	—	—
7400 manufac. wood prod.	1	—	1	—	—	—
7500 textile products	7	1	7	—	—	—
7600 rubber & plastic pr.	8	1	7	—	—	—
7900 manufac. prod. nec	103	24	79	—	—	—
Total unknown or not elsewhere classified	1	—	1	—	—	—
9900 unknown or nec	1	—	1	—	—	—

*Includes 40 (x1000) tons of foreign inbound in-transits; Includes 128 (x1000) tons of foreign outbound in-transits.

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	118,632	1991	110,201	1994	120,692	1997	112,605
1989	117,300	1992	113,484	1995	121,422		
1990	125,941	1993	120,824	1996	104,292		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports*	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total, all commodities	68,430	56,526	1,619	2,904	726	4,997	202	1,138	316
Total coal	435	78	33	—	11	—	—	—	314
1100 coal lignite	406	78	4	—	11	—	—	—	314
1200 coal coke	29	—	29	—	—	—	—	—	—
Total petroleum and petroleum products	51,892	47,422	267	514	133	3,410	109	38	—
Subtotal crude petroleum	49,802	46,372	—	304	—	3,126	—	—	—
2100 crude petroleum	49,802	46,372	—	304	—	3,126	—	—	—
Subtotal petroleum products	2,091	1,050	267	210	133	285	109	38	—
2211 gasoline	75	—	75	—	—	—	—	—	—
2221 kerosene	0	—	0	—	—	—	—	—	—
2330 distillate fuel oil	356	306	0	28	—	22	—	—	—
2340 residual fuel oil	997	553	44	141	—	221	—	38	—
2350 lube oil & greases	37	0	22	12	4	—	—	—	—
2410 petro. jelly & waxes	10	6	1	1	1	—	—	—	—
2429 naphtha & solvents	184	137	3	20	3	22	0	—	—
2430 asphalt, tar & pitch	110	—	1	—	—	—	109	—	—
2540 petroleum coke	270	32	85	7	126	19	—	—	—
2640 liquid natural gas	52	15	36	—	—	—	—	—	—
Total chemicals and related products	1,621	950	243	159	75	56	70	68	0
Subtotal fertilizers	144	73	2	67	3	—	—	—	—
3110 nitrogenous fert.	116	47	2	67	1	—	—	—	—
3120 phosphatic fert.	0	—	0	—	—	—	—	—	—
3130 potassic fert.	0	0	—	—	—	—	—	—	—
3190 fert. & mixes nec	28	25	0	—	2	—	—	—	—
Subtotal other chemicals and related products	1,477	877	240	92	72	56	70	68	0
3211 acyclic hydrocarbons	114	66	48	—	0	—	—	—	—
3212 benzene & toluene	160	—	13	—	—	50	56	41	—
3219 other hydrocarbons	125	119	5	0	2	—	—	—	—
3220 alcohols	164	138	4	4	2	6	—	10	0
3230 carboxylic acids	33	25	5	1	2	—	—	—	—
3240 nitrogen func. comp.	10	2	7	0	0	—	—	—	—
3250 organo-inorganic comp.	5	1	3	0	0	—	—	—	—
3260 organic comp. nec	386	372	11	0	3	—	—	—	—
3272 sulphuric acid	22	0	0	5	0	—	—	17	—

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports*	Through	
				Upbound	Downbnd			Upbound	Downbnd
3274 sodium hydroxide	85	41	0	29	0	—	15	—	—
3275 inorg. elem.,oxides, & halogen salts	32	14	2	12	3	—	—	—	—
3276 metallic salts	56	11	6	34	6	—	—	—	—
3279 inorganic chem. nec	7	0	1	1	5	—	—	—	—
3281 radioactive material	1	0	0	0	—	—	—	—	—
3282 pigments & paints	22	1	17	1	3	—	0	—	—
3283 coloring mat. nec	6	3	1	2	0	—	—	—	—
3284 medicines	14	5	9	0	0	—	—	0	—
3285 perfumes & cleansers	18	8	7	0	3	—	—	—	—
3286 plastics	153	39	81	2	31	—	—	0	—
3291 pesticides	6	3	2	0	1	—	—	—	—
3292 starches, gluten, glue	34	25	4	0	5	—	0	—	—
3293 explosives	0	0	0	—	0	—	—	—	—
3297 chemical additives	5	0	4	0	1	—	—	—	—
3298 wood & resin chem.	2	1	0	0	0	—	—	—	—
3299 chem. products nec	19	3	11	1	4	—	0	—	—
Total crude materials, inedible except fuels	5,915	2,138	624	559	60	1,481	23	1,028	2
Subtotal forest products, wood and chips	169	36	3	25	42	—	—	62	—
4110 rubber & gums	7	0	0	7	0	—	—	—	—
4150 fuel wood	0	—	0	—	—	—	—	—	—
4170 wood in the rough	14	2	1	0	10	—	—	—	—
4189 lumber	138	24	2	18	32	—	—	62	—
4190 forest products nec	10	9	0	1	0	—	—	—	—
Subtotal pulp and waste paper	201	84	45	3	11	35	23	—	—
4225 pulp & waste paper	201	84	45	3	11	35	23	—	—
Subtotal soil, sand, gravel, rock and stone	1,740	23	11	37	1	702	—	966	—
4310 building stone	3	0	2	0	0	—	—	—	—
4322 limestone	1	—	1	—	—	—	—	—	—
4323 gypsum	1,691	22	0	—	0	702	—	966	—
4327 phosphate rock	1	—	1	—	—	—	—	—	—
4331 sand & gravel	45	0	7	37	0	—	—	—	—
Subtotal iron ore and scrap	2,527	1,308	469	6	0	744	—	—	—
4410 iron ore	2,052	1,308	0	—	—	744	—	—	—
4420 iron & steel scrap	475	—	469	6	0	—	—	—	—
Subtotal marine shells	0	0	—	—	—	—	—	—	—
4515 marine shells	0	0	—	—	—	—	—	—	—
Subtotal non-ferrous ores and scrap	191	18	1	169	1	—	—	0	2
4630 copper ore	0	—	0	—	—	—	—	—	—
4650 aluminum ore	6	4	0	2	0	—	—	—	—
4670 manganese ore	1	—	—	1	1	—	—	—	—
4680 non-ferrous scrap	48	2	1	45	0	—	—	0	—
4690 non-ferrous ores nec	135	12	0	121	—	—	—	—	2
Subtotal sulphur, clay and salt	132	25	69	36	2	—	—	—	—
4741 sulphur, (dry)	1	1	0	0	—	—	—	—	—
4782 clay & refrac. mat.	131	24	69	36	2	—	—	—	—
Subtotal slag	143	131	0	12	—	—	—	—	—
4860 slag	143	131	0	12	—	—	—	0	—
Subtotal other non-metal. min.	813	515	25	270	2	—	—	0	—
4900 non-metal. min. nec	813	515	25	270	2	—	—	0	—
Total primary manufactured goods	4,879	4,099	198	346	184	49	0	2	1
Subtotal paper products	1,071	708	112	70	131	49	0	2	0
5110 newsprint	80	27	3	—	2	48	—	—	—
5120 paper & paperboard	959	679	89	64	124	0	0	2	0
5190 paper products nec	33	2	20	5	5	—	—	—	—
Subtotal lime, cement and glass	80	21	26	8	24	—	—	—	—
5210 lime	0	—	—	—	0	—	—	—	—
5220 cement & concrete	0	0	0	0	0	—	—	—	—
5240 glass & glass prod.	38	7	15	1	16	—	—	—	—

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports*	Through	
				Upbound	Downbnd			Upbound	Downbnd
5290 misc. mineral prod.	41	14	11	8	8	—	—	—	—
Subtotal primary iron and steel products	3,343	3,071	34	224	14	0	—	0	1
5312 pig iron	12	1	5	6	0	—	—	—	—
5315 ferro alloys	52	48	1	3	1	—	—	—	—
5320 i&s primary forms	1,416	1,362	1	53	0	—	—	—	—
5330 i&s plates & sheets	1,389	1,296	15	66	11	0	—	—	1
5360 i&s bars & shapes	299	205	4	90	0	—	—	—	—
5370 i&s pipe & tube	65	55	9	0	1	—	—	—	—
5390 primary i&s nec	111	105	0	6	1	—	—	0	—
Subtotal primary non-ferrous metal products	116	38	25	41	12	0	—	—	0
5421 copper	13	6	2	2	3	—	—	—	—
5422 aluminum	21	7	4	6	3	—	—	—	—
5429 smelted prod. nec	48	12	8	28	1	—	—	—	—
5480 fab. metal products	34	13	11	4	5	0	—	—	0
Subtotal primary wood products	269	261	1	3	3	0	—	0	—
5540 primary wood prod.	269	261	1	3	3	0	—	0	—
Total food and farm products	3,064	1,671	81	1,246	64	0	0	1	0
Subtotal fish	28	13	2	12	1	—	—	0	—
6134 fish (not shellfish)	21	8	2	11	0	—	—	0	—
6136 shellfish	7	4	0	2	0	—	—	—	—
Subtotal grain	29	21	1	2	5	—	—	—	—
6344 corn	23	19	1	2	0	—	—	—	—
6442 rice	6	2	0	0	4	—	—	—	—
6443 barley & rye	0	0	—	—	0	—	—	—	—
6445 oats	0	—	—	—	0	—	—	—	—
6447 sorghum grains	0	—	—	—	0	—	—	—	—
Subtotal oilseeds	10	10	0	0	0	—	—	—	—
6521 peanuts	0	—	0	—	0	—	—	—	—
6522 soybeans	7	7	—	—	0	—	—	—	—
6534 flaxseed	0	—	—	—	0	—	—	—	—
6590 oilseeds nec	3	3	0	0	0	—	—	—	—
Subtotal vegetable products	61	17	14	16	14	—	0	—	—
6653 vegetable oils	2	0	1	1	0	—	—	—	—
6654 vegetables & prod.	59	17	13	15	14	—	0	—	—
Subtotal processed grain and animal feed	24	6	10	1	7	—	0	—	—
6746 wheat flour	0	—	0	—	0	—	—	—	—
6747 grain mill products	10	0	5	1	4	—	0	—	—
6781 hay & fodder	2	—	1	—	1	—	—	—	—
6782 animal feed, prep.	11	5	4	0	2	—	—	—	—
Subtotal other agricultural products	2,912	1,604	54	1,214	37	0	—	1	0
6811 meat, fresh, frozen	308	229	17	57	4	—	—	—	0
6817 meat, prepared	28	19	0	3	6	—	—	—	—
6822 dairy products	67	57	6	0	3	—	—	—	—
6835 fish, prepared	4	1	1	2	0	—	—	—	—
6838 tallow, animal oils	0	—	0	0	0	—	—	—	—
6839 animals & prod. nec	17	15	1	0	1	0	—	0	—
6856 bananas & plantains	1,280	471	—	808	—	—	—	—	—
6857 fruit & nuts nec	725	471	3	247	5	—	—	—	—
6858 fruit juices	148	81	2	62	2	—	—	1	—
6861 sugar	1	0	0	—	0	—	—	—	—
6865 molasses	0	—	—	—	—	—	—	—	—
6871 coffee	37	30	0	7	0	0	—	0	—
6872 cocoa beans	146	138	1	7	0	0	—	—	—
6885 alcoholic beverages	64	50	1	12	1	—	—	—	—
6888 water & ice	14	10	0	4	0	—	—	—	—
6889 food products nec	55	22	14	6	12	0	—	—	—
6891 tobacco & products	12	7	4	0	1	—	—	—	—
6893 cotton	2	—	2	—	0	—	—	—	—
6894 natural fibers nec	0	0	0	—	—	—	—	—	—
6899 farm products nec	3	1	2	0	0	—	—	—	—
Total all manufactured equipment, machinery and products	607	165	168	79	194	0	0	1	0
7110 machinery (not elec)	166	44	67	27	27	—	0	0	—
7120 electrical machinery	46	9	19	5	12	0	0	0	—
7210 vehicles & parts	189	19	18	28	124	—	0	0	0

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports*	Through	
				Upbound	Downbnd			Upbound	Downbnd
7220 aircraft & parts	0	—	0	0	0	—	—	0	—
7230 ships & boats	4	0	3	0	1	—	—	—	—
7300 ordnance & access.	1	0	1	0	0	—	—	—	—
7400 manufac. wood prod.	14	7	1	4	2	—	—	0	—
7500 textile products	53	22	17	5	9	0	—	0	—
7600 rubber & plastic pr.	43	15	19	3	6	0	0	0	—
7900 manufac. prod. nec	91	48	24	8	11	0	0	0	0
Total unknown or not elsewhere classified	16	3	6	1	6	0	—	—	—
9900 unknown or nec	16	3	6	1	6	0	—	—	—
Ton-miles Foreign & Canadian (x1000)	6,338,074	5,378,634	153,876	203,056	47,799	436,930	19,053	78,188	20,536

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	17,951	3,238	9,081	1,140	4,491
Total coal	1,303	—	0	—	1,303
1100 coal lignite	1,303	—	0	—	1,303
Total petroleum and petroleum products	13,530	1,447	8,384	693	3,006
Subtotal crude petroleum	388	16	364	8	—
2100 crude petroleum	388	16	364	8	—
Subtotal petroleum products	13,142	1,431	8,020	684	3,006
2211 gasoline	2,390	181	1,754	95	361
2221 kerosene	143	5	110	—	28
2330 distillate fuel oil	3,611	298	3,059	22	233
2340 residual fuel oil	4,995	373	2,161	222	2,239
2350 lube oil & greases	626	491	131	—	4
2410 petro. jelly & waxes	78	12	0	66	—
2429 naphtha & solvents	174	38	65	8	62
2430 asphalt, tar & pitch	1,102	33	725	271	72
2540 petroleum coke	7	—	0	—	7
2640 liquid natural gas	0	0	—	—	—
2990 petro. products nec	15	—	15	—	—
Total chemicals and related products	1,982	1,673	266	38	4
Subtotal fertilizers	35	31	0	4	—
3110 nitrogenous fert.	35	31	0	4	—
Subtotal other chemicals and related products	1,947	1,641	266	35	4
3211 acyclic hydrocarbons	4	—	4	—	—
3212 benzene & toluene	25	—	25	—	—
3219 other hydrocarbons	285	262	17	6	—
3220 alcohols	78	54	24	—	—
3230 carboxylic acids	6	6	0	—	—
3240 nitrogen func. comp.	0	—	0	—	—
3250 organo-inorganic comp.	0	—	0	—	—
3260 organic comp. nec	125	—	125	0	0
3272 sulphuric acid	16	3	10	3	—
3273 ammonia	0	0	0	—	—
3274 sodium hydroxide	245	229	—	12	4
3275 inorg. elem. oxides, & halogen salts	10	6	5	—	0
3276 metallic salts	0	—	0	—	—
3279 inorganic chem. nec	0	—	0	—	—
3282 pigments & paints	2	—	2	—	—
3283 coloring mat. nec	0	0	0	—	—
3284 medicines	4	3	1	—	—
3285 perfumes & cleansers	4	0	3	—	0
3286 plastics	2	0	2	0	—
3291 pesticides	1	0	0	—	—
3292 starches, gluten, glue	1	0	1	0	—
3297 chemical additives	1,076	1,058	6	13	—
3298 wood & resin chem.	9	9	—	—	—
3299 chem. products nec	54	11	41	1	—
Total crude materials, inedible except fuels	53	8	21	0	25
Subtotal forest products, wood and chips	3	2	1	0	0
4110 rubber & gums	1	1	0	—	—
4161 wood chips	0	—	0	—	—
4170 wood in the rough	0	—	0	—	—
4189 lumber	1	0	0	0	0
4190 forest products nec	1	0	1	—	0
Subtotal pulp and waste paper	6	5	0	0	—
4225 pulp & waste paper	6	5	0	0	—
Subtotal soil, sand, gravel, rock and stone	25	—	0	—	24
4322 limestone	25	—	0	—	24
4327 phosphate rock	0	—	0	—	—
4331 sand & gravel	0	—	0	—	—

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Subtotal iron ore and scrap	17	0	17	---	---
4420 iron & steel scrap	17	0	17	---	---
Subtotal non-ferrous ores and scrap	0	0	0	---	---
4650 aluminum ore	0	---	0	---	---
4680 non-ferrous scrap	0	0	---	---	---
Subtotal sulphur, clay and salt	0	---	0	---	---
4782 clay & refrac. mat.	0	---	0	---	---
Subtotal other non-metal. min.	2	---	2	---	---
4900 non-metal. min. nec	2	---	2	---	---
Total primary manufactured goods	518	15	97	336	71
Subtotal paper products	15	4	9	2	0
5110 newsprint	0	---	0	---	---
5120 paper & paperboard	2	---	0	2	0
5190 paper products nec	13	4	9	0	---
Subtotal lime, cement and glass	401	0	7	324	71
5220 cement & concrete	394	0	0	323	71
5240 glass & glass prod.	5	0	5	---	---
5290 misc. mineral prod.	2	0	1	1	---
Subtotal primary iron and steel products	25	---	17	8	---
5330 i&s plates & sheets	0	---	0	---	---
5360 i&s bars & shapes	0	---	0	0	---
5370 i&s pipe & tube	1	---	1	---	---
5390 primary i&s nec	24	---	16	8	---
Subtotal primary non-ferrous metal products	76	11	62	3	0
5421 copper	0	---	0	---	---
5422 aluminum	0	0	0	0	0
5429 smelted prod. nec	5	---	5	---	---
5480 fab. metal products	70	11	57	3	---
Subtotal primary wood products	1	---	1	---	---
5540 primary wood prod.	1	---	1	---	---
Total food and farm products	223	62	155	6	---
Subtotal fish	1	1	1	---	---
6134 fish (not shellfish)	1	1	1	---	---
6136 shellfish	0	---	0	---	---
Subtotal grain	0	---	0	---	---
6344 corn	0	---	0	---	---
Subtotal oilseeds	0	---	0	---	---
6522 soybeans	0	---	0	---	---
Subtotal vegetable products	4	0	3	0	---
6653 vegetable oils	0	0	0	---	---
6654 vegetables & prod.	4	0	3	0	---
Subtotal processed grain and animal feed	5	0	5	---	---
6746 wheat flour	0	---	0	---	---
6747 grain mill products	1	0	0	---	---
6781 hay & fodder	0	---	0	---	---
6782 animal feed, prep.	3	0	3	---	---
Subtotal other agricultural products	213	61	146	6	---
6811 meat, fresh, frozen	4	0	4	---	---
6817 meat, prepared	0	---	0	---	---
6822 dairy products	5	---	5	---	---
6835 fish, prepared	1	1	0	---	---
6839 animals & prod. nec	1	0	1	---	---
6857 fruit & nuts nec	1	0	1	---	---
6858 fruit juices	2	0	2	---	---
6861 sugar	4	---	0	4	---
6871 coffee	0	0	0	---	---
6872 cocoa beans	0	0	---	---	---
6885 alcoholic beverages	3	0	1	2	---
6887 groceries	167	59	108	---	---
6888 water & ice	2	---	1	1	---
6889 food products nec	23	1	22	---	---
6891 tobacco & products	1	0	1	---	---
6893 cotton	0	0	0	---	---
6899 farm products nec	0	---	0	---	---
Total all manufactured equipment, machinery and products	340	34	158	66	82
7110 machinery (not elec)	13	2	11	0	0
7120 electrical machinery	28	4	24	---	---
7210 vehicles & parts	23	1	22	0	---
7230 ships & boats	0	---	0	---	---
7300 ordnance & access.	0	---	0	---	---
7400 manufac. wood prod.	1	0	1	---	---
7500 textile products	9	1	7	0	0
7600 rubber & plastic pr.	14	0	7	5	---
7800 empty containers	0	0	0	---	---
7900 manufac. prod. nec	253	25	85	61	82
Total waste and scrap nec	0	0	0	---	---
8900 waste and scrap nec	0	0	0	---	---
Total unknown or not elsewhere classified	1	0	1	---	---
9900 unknown or nec	1	0	1	---	---
Ton-miles (x1000) Coastwise	1,470,494	283,884	743,031	78,290	365,289

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	26,224	2,773	1,719	712	2,700	186	466	16,656	1,014
Total coal	1,266	1,261	---	---	5	---	---	---	---
1100 coal lignite	1,261	1,261	---	---	---	---	---	---	---
1200 coal coke	5	---	---	---	5	---	---	---	---
Total petroleum and petroleum products	23,131	1,119	1,706	638	2,174	31	418	16,187	859
Subtotal crude petroleum	14,535	37	---	50	---	---	---	14,448	---
2100 crude petroleum	14,535	37	---	50	---	---	---	14,448	---
Subtotal petroleum products	8,596	1,082	1,706	588	2,174	31	418	1,738	859
2211 gasoline	1,599	94	69	99	260	8	173	808	89
2221 kerosene	69	5	2	12	9	1	7	18	15
2330 distillate fuel oil	2,348	121	1,152	161	356	5	81	381	92
2340 residual fuel oil	3,330	862	430	185	634	17	154	408	640
2350 lube oil & greases	22	---	7	---	0	---	---	10	3
2429 naphtha & solvents	240	---	45	94	47	---	---	34	20
2430 asphalt, tar & pitch	925	---	---	37	854	---	4	30	---
2540 petroleum coke	14	---	---	---	14	---	---	---	---
2990 petro. products nec	49	---	---	---	---	---	---	49	---
Total chemicals and related products	1,462	312	---	63	486	---	---	458	143
Subtotal fertilizers	28	28	---	---	---	---	---	---	---
3110 nitrogenous fert.	28	28	---	---	---	---	---	---	---
Subtotal other chemicals and related products	1,434	284	---	63	486	---	---	458	143
3212 benzene & toluene	35	---	---	6	21	---	---	1	7
3219 other hydrocarbons	704	276	---	---	---	---	---	428	---
3220 alcohols	284	---	---	---	274	---	---	---	10
3272 sulphuric acid	62	---	---	---	31	---	---	---	31
3274 sodium hydroxide	80	8	---	---	33	---	---	2	37
3276 metallic salts	109	---	---	---	109	---	---	---	---
3297 chemical additives	160	---	---	57	19	---	---	26	58
Total crude materials, inedible except fuels	204	60	13	8	27	67	28	1	---
Subtotal soil, sand, gravel, rock and stone	1	1	---	---	---	---	---	---	---
4331 sand & gravel	1	1	---	---	---	---	---	---	---
Subtotal iron ore and scrap	140	59	---	---	17	36	26	1	---
4420 iron & steel scrap	140	59	---	---	17	36	26	1	---
Subtotal marine shells	22	1	13	8	1	---	---	---	---
4515 marine shells	22	1	13	8	1	---	---	---	---
Subtotal non-ferrous ores and scrap	41	---	---	---	9	30	2	---	---
4680 non-ferrous scrap	11	---	---	---	9	---	2	---	---
4690 non-ferrous ores nec	30	---	---	---	---	30	---	---	---
Total primary manufactured goods	104	0	---	---	2	84	18	---	0
Subtotal primary iron and steel products	18	---	---	---	---	---	18	---	---
5360 i&s bars & shapes	17	---	---	---	---	---	17	---	---
5370 i&s pipe & tube	0	---	---	---	---	---	0	---	---

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal primary non-ferrous metal products	21	0	---	---	2	19	0	---	0
5480 fab. metal products	21	0	---	---	2	19	0	---	0
Subtotal primary wood products	65	---	---	---	---	65	---	---	---
5540 primary wood prod.	65	---	---	---	---	65	---	---	---
Total food and farm products	32	6	0	2	1	2	---	10	11
Subtotal fish	5	---	---	2	0	2	---	---	---
6134 fish (not shellfish)	4	---	---	2	---	2	---	---	---
6136 shellfish	1	---	---	1	0	0	---	---	---
Subtotal other agricultural products	27	6	0	---	0	---	---	10	11
6887 groceries	8	6	0	---	0	---	---	1	1
6888 water & ice	19	---	---	---	0	---	---	9	10
Total all manufactured equipment, machinery and products	25	14	0	0	5	2	1	1	1
7110 machinery (not elec)	4	2	0	0	0	2	---	---	---
7220 aircraft & parts	0	---	---	---	0	---	---	---	---
7400 manufac. wood prod.	0	---	---	0	---	---	---	---	---
7600 rubber & plastic pr.	1	---	---	---	---	---	1	---	---
7900 manufac. prod. nec	19	13	---	---	5	---	---	1	1
Ton-miles Internal (x1000)	1,207,812	91,168	22,349	12,153	56,377	3,388	11,882	1,000,258	10,238

Tons All Traffic (x1000) 112,605
Ton-miles All Traffic (x1000) 9,016,380

*Includes 620 (x1000) tons of foreign inbound in-transits; Includes 226 (x1000) tons of foreign outbound in-transits;
Includes 113 (x1000) tons of Canadian inbound in-transits; Includes 12 (x1000) tons of Canadian outbound in-transits.

SUMMARY OF TRAFFIC DELAWARE RIVER AND TRIBUTARIES, TRENTON, NJ TO THE SEA
Freight Traffic, 1997
(thousand short tons)

Locality	Total	*Foreign-Canadian		Coastwise		Domestic		
		Imports	Exports	Receipts	Shipmnts	Receipts	Shipments	Intraport
ARTIFICIAL ISLAND NJ AND VICINITY	93	51	40	---	---	---	2	---
BORDENTOWN-FIELDSBORO NJ	3	3	---	---	---	---	---	---
BRISTOL PA AND VICINITY	25	---	---	---	---	25	---	---
BURLINGTON-FLORENCE-ROEBLING NJ	617	315	---	---	---	302	---	---
CAMDEN-GLOUCESTER NJ	6,570	3,481	716	372	599	651	715	35
CHESTER AREA, PA	1,061	498	179	3	---	257	124	---
LOWER DELAWARE BAY DEL	14,840	450	45	9	368	227	13,712	29
LOWER DELAWARE BAY NJ	879	---	---	---	---	5	854	20
MARCUS HOOK, PA	21,520	11,395	173	967	1,381	5,502	1,977	125
NEW CASTLE AREA, DE	7,470	1,458	28	249	2,240	3,131	363	---
PAULSBORO, NJ	24,392	13,516	180	700	4,246	3,325	2,340	85
PENN MANOR AREA, PA	1,151	988	33	---	---	111	19	---
PENNSGROVE-CARNEY POINT NJ	420	---	---	---	---	420	---	---
PHILADELPHIA HARBOR, PA	44,968	29,490	467	1,093	3,013	7,077	2,552	1,275
RIVERTON-DELANCO-BEVERLY NJ	---	---	---	---	---	---	---	---
THOMPSON POINT NJ AND VICINITY	44	---	---	---	---	44	---	---
TRENTON HARBOR, NJ	1,124	---	---	15	---	1,110	---	---
WILMINGTON HARBOR, DE	4,401	2,815	472	121	59	431	503	---
TOTAL (UNADJUSTED)	129,578	64,461	2,333	3,530	11,905	22,616	23,163	1,570
NET VOLUME OF TONNAGE FOR THE AREA	108,894	64,461	2,333	3,530	11,905	25,095	---	1,570

* Overseas foreign and Canadian tonnages

SCHUYLKILL RIVER, PA (INCLUDED IN PHILADELPHIA HARBOR,PA)

Section Included: Delaware River to University Avenue Bridge, Philadelphia, 6.5 miles. Controlling Depth: In middle half of channel Nov. 1989, 23.1 feet to upper end of Berth #1, Arco Ballast Wharf, Nov. 1989, 16.3 feet to Passyunk Avenue Bridge, (minimum depth in right outside quarter 30.8 feet), 4 miles; thence in Oct. 1989, 14.9 feet to Gibson Point, 1 mile; thence in Oct. 1989, 9.2 feet to University Avenue Bridge; 1.5 miles. Project Depth: 33 feet to Passyunk Avenue Bridge; thence 26 feet to Gibson Point; and thence 22 feet to University Avenue Bridge.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	9,124	1991	8,096	1994	8,725	1997	6,993
1989	7,694	1992	8,167	1995	7,796		
1990	9,120	1993	9,119	1996	6,476		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign	Canadian
		Imports	Imports*
Total, all commodities	71	30	41
Total chemicals and related products	41	---	41
Subtotal other chemicals and related products	41	---	41
3212 benzene & toluene	41	---	41
Total crude materials, inedible except fuels	30	30	---
Subtotal other non-metal. min.	30	30	---
4900 non-metal. min. nec	30	30	---
Ton-miles (x1000)	285	122	163
Foreign & Canadian			

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	6,922	161	2,765	882	2,671	414	29
Total petroleum and petroleum products	6,512	161	2,765	782	2,366	409	29
Subtotal crude petroleum	4	---	---	4	---	---	---
2100 crude petroleum	4	---	---	4	---	---	---
Subtotal petroleum products	6,508	161	2,765	778	2,366	409	29
2211 gasoline	670	23	314	118	109	102	3
2221 kerosene	77	---	28	14	12	23	---
2330 distillate fuel oil	1,761	---	176	176	1,297	109	4
2340 residual fuel oil	3,599	54	2,184	338	892	131	---
2350 lube oil & greases	7	---	---	---	7	---	---
2410 petro. jelly & waxes	1	1	---	---	---	---	---
2429 naphtha & solvents	276	8	62	94	45	44	22
2430 asphalt, tar & pitch	116	75	---	37	4	---	---
Total chemicals and related products	345	---	---	64	276	5	---
Subtotal other chemicals and related products	345	---	---	64	276	5	---
3212 benzene & toluene	7	---	---	7	---	---	---
3219 other hydrocarbons	281	---	---	---	276	5	---
3297 chemical additives	57	---	---	57	---	---	---
Total crude materials, inedible except fuels	64	---	---	36	28	---	---
Subtotal iron ore and scrap	63	---	---	36	26	---	---
4420 iron & steel scrap	63	---	---	36	26	---	---
Subtotal non-ferrous ores and scrap	2	---	---	---	2	---	---
4680 non-ferrous scrap	2	---	---	---	2	---	---
Total food and farm products	0	---	---	---	0	---	---
Subtotal other agricultural products	0	---	---	---	0	---	---
6887 groceries	0	---	---	---	0	---	---
Total all manufactured equipment, machinery and products	0	---	---	---	0	---	---
7900 manufac. prod. nec	0	---	---	---	0	---	---
Ton-miles (x1000)	22,418	482	9,195	3,918	7,806	937	79
Domestic							

Tons All Traffic (x1000) **6,993**

Ton-miles All Traffic (x1000) **22,703**

*Includes 8 (x1000) tons of Canadian inbound in-transits.

PHILADELPHIA HARBOR, PA (INCLUDED IN DELAWARE RIVER BETWEEN PHILADELPHIA, PA AND TRENTON, NJ;
DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA AND SCHUYLKILL RIVER, PA)

Section Included: Delaware River from the lower dock at Hog Island, below the mouth of Schuylkill River, to the mouth of Poquessing Creek, the upper limit of the city, 23 miles and Schuylkill River from its mouth to Fairmount Dam, 8.4 miles. For controlling and project depth see tables of individual referenced projects.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	37,827	1991	37,257	1994	40,746	1997	44,968
1989	36,060	1992	39,667	1995	40,634		
1990	41,830	1993	42,708	1996	41,882		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	29,958	28,753	429	737	38
Total coal	2	---	2	---	---
1100 coal lignite	2	---	2	---	---
1200 coal coke	0	---	0	---	---
Total petroleum and petroleum products	23,659	23,630	12	17	---
Subtotal crude petroleum	23,477	23,477	---	---	---
2100 crude petroleum	23,477	23,477	---	---	---
Subtotal petroleum products	181	152	12	17	---
2330 distillate fuel oil	87	87	0	---	---
2340 residual fuel oil	64	46	1	17	---
2350 lube oil & greases	6	---	6	---	---
2410 petro. jelly & waxes	7	6	1	---	---
2429 naphtha & solvents	1	---	1	---	---
2430 asphalt, tar & pitch	0	---	0	---	---
2540 petroleum coke	12	12	0	---	---
2640 liquid natural gas	4	---	4	---	---
Total chemicals and related products	626	443	127	41	15
Subtotal fertilizers	71	69	2	---	---
3110 nitrogenous fert.	48	46	2	---	---
3130 potassic fert.	0	0	---	---	---
3190 fert. & mixes nec	23	23	0	---	---
Subtotal other chemicals and related products	555	374	125	41	15
3211 acyclic hydrocarbons	44	---	44	---	---
3212 benzene & toluene	41	---	---	41	---
3219 other hydrocarbons	110	108	2	---	---
3220 alcohols	37	35	1	---	---
3230 carboxylic acids	25	23	2	---	---
3240 nitrogen func. comp.	3	0	2	---	---
3250 organo-inorganic comp.	2	0	2	---	---
3260 organic comp. nec	128	118	9	---	---
3272 sulphuric acid	0	0	---	---	---
3274 sodium hydroxide	54	39	0	---	15
3275 inorg. elem., oxides, & halogen salts	7	5	2	---	---
3276 metallic salts	10	7	3	---	---
3279 inorganic chem. nec	1	0	1	---	---
3281 radioactive material	0	0	0	---	---
3282 pigments & paints	9	0	9	---	---
3283 coloring mat. nec	1	1	0	---	---
3284 medicines	5	0	5	---	---
3285 perfumes & cleansers	7	4	2	---	---
3286 plastics	41	12	30	---	---
3291 pesticides	1	0	1	---	---
3292 starches, gluten, glue	22	20	2	---	---
3293 explosives	0	0	0	---	---
3297 chemical additives	2	---	2	---	---
3298 wood & resin chem.	1	1	0	---	---
3299 chem. products nec	4	0	4	---	---
Total crude materials, inedible except fuels	2,084	1,378	52	630	23
Subtotal forest products, wood and chips	19	18	1	---	---
4110 rubber & gums	0	0	---	---	---
4170 wood in the rough	0	0	0	---	---
4189 lumber	12	12	1	---	---
4190 forest products nec	7	6	0	---	---
Subtotal pulp and waste paper	167	83	26	35	23
4225 pulp & waste paper	167	83	26	35	23
Subtotal soil, sand, gravel, rock and stone	9	0	9	---	---
4310 building stone	1	0	1	---	---
4322 limestone	1	---	1	---	---
4323 gypsum	0	---	0	---	---
4327 phosphate rock	1	---	1	---	---
4331 sand & gravel	7	0	6	---	---
Subtotal iron ore and scrap	1,793	1,197	0	595	---
4410 iron ore	1,793	1,197	0	595	---
4420 iron & steel scrap	0	---	0	---	---
Subtotal marine shells	0	0	---	---	---
4515 marine shells	0	0	---	---	---
Subtotal non-ferrous ores and scrap	7	6	1	---	---
4630 copper ore	0	---	0	---	---
4650 aluminum ore	4	4	0	---	---
4680 non-ferrous scrap	2	1	1	---	---
4690 non-ferrous ores nec	1	1	0	---	---
Subtotal sulphur, clay and salt	16	12	3	---	---
4741 sulphur, (dry)	0	---	0	---	---

PHILADELPHIA HARBOR, PA (INCLUDED IN DELAWARE RIVER BETWEEN PHILADELPHIA, PA AND TRENTON, NJ;
 DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA AND SCHUYLKILL RIVER, PA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
4782 clay & refrac. mat.	16	12	3	—	—
Subtotal slag	0	—	0	—	—
4860 slag	0	—	0	—	—
Subtotal other non-metal. min.	73	61	12	—	—
4900 non-metal. min. nec	73	61	12	—	—
Total primary manufactured goods	2,519	2,341	130	49	0
Subtotal paper products	827	688	90	49	0
5110 newsprint	73	23	2	48	—
5120 paper & paperboard	739	664	74	0	0
5190 paper products nec	15	1	14	—	—
Subtotal lime, cement and glass	20	6	14	—	—
5220 cement & concrete	0	0	0	—	—
5240 glass & glass prod.	9	1	8	—	—
5290 misc. mineral prod.	11	5	6	—	—
Subtotal primary iron and steel products	1,552	1,541	11	0	—
5312 pig iron	5	1	4	—	—
5315 ferro alloys	37	37	0	—	—
5320 i&s primary forms	1,120	1,120	0	—	—
5330 i&s plates & sheets	316	311	5	0	—
5360 i&s bars & shapes	56	56	1	—	—
5370 i&s pipe & tube	13	13	1	—	—
5390 primary i&s nec	4	4	0	—	—
Subtotal primary non-ferrous metal products	34	20	14	0	—
5421 copper	7	5	2	—	—
5422 aluminum	2	1	2	—	—
5429 smelted prod. nec	14	9	5	—	—
5480 fab. metal products	11	5	5	0	—
Subtotal primary wood products	86	85	0	0	—
5540 primary wood prod.	86	85	0	0	—
Total food and farm products	908	863	44	0	0
Subtotal fish	13	12	1	—	—
6134 fish (not shellfish)	9	8	0	—	—
6136 shellfish	4	4	0	—	—
Subtotal grain	14	14	1	—	—
6344 corn	13	12	1	—	—
6442 rice	2	2	0	—	—
Subtotal oilseeds	9	9	0	—	—
6521 peanuts	0	—	0	—	—
6522 soybeans	7	7	—	—	—
6590 oilseeds nec	2	2	0	—	—
Subtotal vegetable products	21	13	8	—	—
6653 vegetable oils	0	0	0	—	—
6654 vegetables & prod.	20	13	7	—	—
Subtotal processed grain and animal feed	12	5	7	—	0
6747 grain mill products	4	0	4	—	0
6781 hay & fodder	0	—	0	—	—
6782 animal feed, prep.	8	5	3	—	—
Subtotal other agricultural products	839	811	28	0	—
6811 meat, fresh, frozen	197	187	10	—	—
6817 meat, prepared	18	18	0	—	—
6822 dairy products	60	57	3	—	—
6835 fish, prepared	2	1	1	—	—
6838 tallow, animal oils	0	—	0	—	—
6839 animals & prod. nec	15	14	1	0	—
6856 bananas & plantains	185	185	—	—	—
6857 fruit & nuts nec	175	174	1	—	—
6858 fruit juices	28	28	0	—	—
6861 sugar	0	0	0	—	—
6865 molasses	0	0	—	—	—
6871 coffee	25	25	—	0	—
6872 cocoa beans	86	86	0	—	—
6885 alcoholic beverages	11	11	1	—	—
6888 water & ice	0	0	—	—	—
6889 food products nec	26	17	8	—	—
6891 tobacco & products	7	6	1	—	—
6893 cotton	1	—	1	—	—
6894 natural fibers nec	0	0	—	—	—
6899 farm products nec	3	1	2	—	—
Total all manufactured equipment, machinery and products	158	97	61	0	0
7110 machinery (not elec)	43	28	15	—	0
7120 electrical machinery	16	7	9	0	—
7210 vehicles & parts	18	11	6	—	—
7220 aircraft & parts	0	—	0	—	—
7230 ships & boats	0	0	0	—	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	5	5	0	—	—
7500 textile products	19	11	8	0	—
7600 rubber & plastic pr.	15	6	9	0	0
7900 manufac. prod. nec	42	29	13	0	0
Total unknown or not elsewhere classified	2	1	1	0	—
9900 unknown or nec	2	1	1	0	—

PHILADELPHIA HARBOR, PA (INCLUDED IN DELAWARE RIVER BETWEEN PHILADELPHIA, PA AND TRENTON, NJ;
 DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA AND SCHUYLKILL RIVER, PA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	15,010	1,093	3,013	7,077	2,552	1,275
Total coal	0	—	0	—	—	—
1100 coal lignite	0	—	0	—	—	—
Total petroleum and petroleum products	12,984	496	2,823	6,841	2,186	640
Subtotal crude petroleum	4,999	—	2	4,997	—	—
2100 crude petroleum	4,999	—	2	4,997	—	—
Subtotal petroleum products	7,985	496	2,820	1,844	2,186	640
2211 gasoline	737	78	323	122	109	105
2221 kerosene	77	—	28	14	12	23
2330 distillate fuel oil	1,901	71	176	239	1,295	120
2340 residual fuel oil	4,798	208	2,228	1,330	747	285
2350 lube oil & greases	25	11	0	—	11	3
2410 petro. jelly & waxes	13	13	—	—	—	—
2429 naphtha & solvents	318	40	66	101	7	104
2430 asphalt, tar & pitch	116	75	—	37	4	—
2640 liquid natural gas	0	0	0	—	—	—
Total chemicals and related products	1,883	587	166	186	314	631
Subtotal fertilizers	47	19	—	28	—	—
3110 nitrogenous fert.	47	19	—	28	—	—
Subtotal other chemicals and related products	1,837	568	166	158	314	631
3211 acyclic hydrocarbons	3	—	3	—	—	—
3212 benzene & toluene	7	—	—	7	—	—
3219 other hydrocarbons	962	243	17	82	—	620
3220 alcohols	333	30	19	—	274	10
3230 carboxylic acids	5	5	0	—	—	—
3240 nitrogen func. comp.	0	0	0	—	—	—
3260 organic comp. nec	124	—	124	—	—	—
3272 sulphuric acid	0	—	0	—	—	—
3273 ammonia	0	0	—	—	—	—
3274 sodium hydroxide	104	67	—	—	37	—
3275 inorg. elem. oxides, & halogen salts	6	6	0	—	—	—
3276 metallic salts	0	—	0	—	—	—
3279 inorganic chem. nec	0	—	0	—	—	—
3282 pigments & paints	0	—	0	—	—	—
3283 coloring mat. nec	0	0	0	—	—	—
3284 medicines	3	3	1	—	—	—
3285 perfumes & cleansers	1	0	0	—	—	—
3286 plastics	1	0	1	—	—	—
3291 pesticides	1	0	0	—	—	—
3292 starches, gluten, glue	0	0	0	—	—	—
3297 chemical additives	277	204	—	69	3	—
3298 wood & resin chem.	9	9	—	—	—	—
3299 chem. products nec	0	0	0	—	—	—
Total crude materials, inedible except fuels	67	0	1	37	29	—
Subtotal forest products, wood and chips	0	—	0	—	—	—
4170 wood in the rough	0	—	0	—	—	—
4189 lumber	0	—	0	—	—	—
4190 forest products nec	0	—	0	—	—	—
Subtotal soil, sand, gravel, rock and stone	1	—	0	1	—	—
4322 limestone	0	—	0	—	—	—
4327 phosphate rock	0	—	0	—	—	—
4331 sand & gravel	1	—	0	1	—	—
Subtotal iron ore and scrap	64	0	0	36	27	—
4420 iron & steel scrap	64	0	0	36	27	—
Subtotal non-ferrous ores and scrap	2	0	—	—	2	—
4680 non-ferrous scrap	2	0	—	—	2	—
Subtotal sulphur, clay and salt	0	—	0	—	—	—
4782 clay & refrac. mat.	0	—	0	—	—	—
Subtotal other non-metal. min.	0	—	0	—	—	—
4900 non-metal. min. nec	0	—	0	—	—	—
Total primary manufactured goods	9	4	3	0	2	—
Subtotal paper products	1	0	1	—	—	—
5110 newsprint	0	—	0	—	—	—
5120 paper & paperboard	0	—	0	—	—	—
5190 paper products nec	0	0	0	—	—	—
Subtotal lime, cement and glass	0	0	0	—	—	—
5220 cement & concrete	0	0	0	—	—	—
5240 glass & glass prod.	0	0	0	—	—	—
5290 misc. mineral prod.	0	—	0	—	—	—
Subtotal primary iron and steel products	0	—	0	—	—	—
5330 i&s plates & sheets	0	—	0	—	—	—
5370 i&s pipe & tube	0	—	0	—	—	—
5390 primary i&s nec	0	—	0	—	—	—
Subtotal primary non-ferrous metal products	7	4	1	0	2	—
5422 aluminum	0	0	0	—	—	—
5429 smelted prod. nec	0	—	0	—	—	—
5480 fab. metal products	6	4	1	0	2	—
Subtotal primary wood products	0	—	0	—	—	—
5540 primary wood prod.	0	—	0	—	—	—
Total food and farm products	35	3	11	—	17	4
Subtotal fish	1	1	0	—	—	—
6134 fish (not shellfish)	1	1	0	—	—	—
6136 shellfish	0	—	0	—	—	—
Subtotal oilseeds	0	—	0	—	—	—
6522 soybeans	0	—	0	—	—	—

PHILADELPHIA HARBOR, PA (INCLUDED IN DELAWARE RIVER BETWEEN PHILADELPHIA, PA AND TRENTON, NJ;
 DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA AND SCHUYLKILL RIVER, PA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal vegetable products	2	0	2	---	---	---
6653 vegetable oils	0	0	0	---	---	---
6654 vegetables & prod.	2	0	1	---	---	---
Subtotal processed grain and animal feed	1	0	1	---	---	---
6746 wheat flour	0	---	0	---	---	---
6747 grain mill products	0	0	0	---	---	---
6782 animal feed, prep.	0	0	0	---	---	---
Subtotal other agricultural products	32	2	8	---	17	4
6811 meat, fresh, frozen	0	0	0	---	---	---
6817 meat, prepared	0	---	0	---	---	---
6822 dairy products	1	---	1	---	---	---
6835 fish, prepared	1	1	0	---	---	---
6839 animals & prod. nec	0	0	0	---	---	---
6857 fruit & nuts nec	1	0	1	---	---	---
6858 fruit juices	1	0	1	---	---	---
6861 sugar	0	---	0	---	---	---
6871 coffee	0	0	---	---	---	---
6872 cocoa beans	0	0	---	---	---	---
6885 alcoholic beverages	0	0	0	---	---	---
6887 groceries	4	0	1	---	1	1
6888 water & ice	19	---	0	---	16	3
6889 food products nec	3	1	3	---	---	---
6891 tobacco & products	0	0	0	---	---	---
6893 cotton	0	0	0	---	---	---
Total all manufactured equipment, machinery and products	31	2	10	13	5	0
7110 machinery (not elec)	1	0	1	---	---	---
7120 electrical machinery	2	1	1	---	---	---
7210 vehicles & parts	1	0	1	---	---	---
7220 aircraft & parts	0	---	---	---	0	---
7300 ordnance & access.	0	---	0	---	---	---
7400 manufac. wood prod.	0	0	0	---	---	---
7500 textile products	1	1	1	---	---	---
7600 rubber & plastic pr.	1	0	1	---	---	---
7800 empty containers	0	0	0	---	---	---
7900 manufac. prod. nec	26	1	6	13	5	0
Total waste and scrap nec	0	0	0	---	---	---
8900 waste and scrap nec	0	0	0	---	---	---
Total unknown or not elsewhere classified	0	0	0	---	---	---
9900 unknown or nec	0	0	0	---	---	---

*Includes 179 (x1000) tons of foreign inbound in-transits; Includes 92 (x1000) tons of foreign outbound in-transits;
 Includes 8 (x1000) tons of Canadian inbound in-transits; Includes 12 (x1000) tons of Canadian outbound in-transits.

TRENTON HARBOR, NJ (INCLUDED IN DELAWARE RIVER BETWEEN PHILADELPHIA,PA AND TRENTON,NJ)

Section Included: Oil terminals at Duck Island to Ferry Street, Trenton, NJ, 3.4 miles. Controlling Depth: In middle half of channel: Duck Island to Trenton Marine Terminal, in July 1988, 11.4 feet, and thence to Pennsylvania R. R. Bridge at Trenton in July 1988, 10.7 feet. Project Depth: Duck Island to Trenton Marine Terminal 25 feet authorized but deferred; thence to Pennsylvania R.R. bridge, 12 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	937	1991	897	1994	848	1997	1,124
1989	1,327	1992	903	1995	964		
1990	1,088	1993	837	1996	842		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic	
		Coastwise	Internal
		Receipts	Receipts
Total, all commodities	1,124	15	1,110
Total coal	872	---	872
1100 coal lignite	872	---	872
Total petroleum and petroleum products	252	15	238
Subtotal petroleum products	252	15	238
2211 gasoline	217	---	217
2330 distillate fuel oil	21	---	21
2340 residual fuel oil	15	15	---

WILMINGTON HARBOR, DE

Section Included: West Shore of Delaware River from and including Pigeon Point, DE, to and including Edgemoor, DE, 4.4 miles; and May 1984, 40.1 feet. In the Christina River in October 1989, 33.5 feet to the upper end of Berth No. 3; thence in October 1989, 18.6 feet to Lobdell Canal, 1.2 miles; thence in May 1984, 11.3 feet to Market Street Bridge at Wilmington, 2.1 miles; thence January 1960, 13.2 feet to the former pulp works, 1.2 miles; thence January 1960, 5.8 feet to Pennsylvania R R Bridge No. 4, 0.3 miles; thence 6.1 feet to Newport, 5 miles. Project Depth: In Delaware River, 40 feet, in Christina River, 35 feet to Lobdell Canal, thence 21 feet to the former pulp works; thence 10 feet to Pennsylvania R.R. Bridge No. 4, and thence 7 feet to Newport. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	3,715	1991	4,154	1994	4,503	1997	4,401
1989	3,738	1992	3,826	1995	4,273		
1990	4,209	1993	4,106	1996	4,324		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	3,287	2,297	471	518	1
Total coal	0	---	0	---	---
1100 coal lignite	0	---	0	---	---
Total petroleum and petroleum products	641	475	128	38	---
Subtotal crude petroleum	304	304	---	---	---
2100 crude petroleum	304	304	---	---	---
Subtotal petroleum products	336	171	128	38	---
2330 distillate fuel oil	28	28	---	---	---
2340 residual fuel oil	160	122	---	38	---
2350 lube oil & greases	1	---	1	---	---
2410 petro. jelly & waxes	0	---	0	---	---
2429 naphtha & solvents	21	20	1	---	---
2540 petroleum coke	126	---	126	---	---
Total chemicals and related products	122	81	30	10	0
Subtotal fertilizers	55	54	1	---	---
3110 nitrogenous fert.	55	54	1	---	---
3190 fert. & mixes nec	0	---	0	---	---
Subtotal other chemicals and related products	67	27	30	10	0
3211 acyclic hydrocarbons	0	---	0	---	---
3219 other hydrocarbons	0	---	0	---	---
3220 alcohols	14	3	0	10	0
3230 carboxylic acids	0	---	0	---	---
3240 nitrogen func. comp.	0	---	0	---	---
3250 organo-inorganic comp.	0	---	0	---	---
3260 organic comp. nec	0	---	0	---	---
3272 sulphuric acid	0	---	0	---	---
3274 sodium hydroxide	0	---	0	---	---
3275 inorg. elem., oxides, & halogen salts	1	1	0	---	---
3276 metallic salts	26	23	4	---	---
3279 inorganic chem. nec	5	---	5	---	---
3282 pigments & paints	2	0	---	---	---
3283 coloring mat. nec	0	---	0	---	---
3284 medicines	0	---	0	---	---
3285 perfumes & cleansers	2	0	2	---	---
3286 plastics	9	0	9	---	---
3291 pesticides	1	---	1	---	---
3292 starches, gluten, glue	5	0	5	---	---
3297 chemical additives	0	---	0	---	---
3298 wood & resin chem.	0	---	0	---	---
3299 chem. products nec	1	---	1	---	---
Total crude materials, inedible except fuels	858	375	14	469	---
Subtotal forest products, wood and chips	63	0	2	61	---
4110 rubber & gums	0	---	0	---	---
4189 lumber	63	0	2	61	---
4190 forest products nec	0	0	0	---	---
Subtotal pulp and waste paper	7	---	7	---	---
4225 pulp & waste paper	7	---	7	---	---
Subtotal soil, sand, gravel, rock and stone	408	---	0	407	---
4310 building stone	0	---	0	---	---
4323 gypsum	407	---	0	407	---
4331 sand & gravel	0	---	0	---	---
Subtotal non-ferrous ores and scrap	155	155	0	---	---
4650 aluminum ore	0	---	0	---	---
4680 non-ferrous scrap	34	34	0	---	---
4690 non-ferrous ores nec	121	121	---	---	---
Subtotal sulphur, clay and salt	37	35	2	---	---
4782 clay & refrac. mat.	37	35	2	---	---
Subtotal other non-metal. min.	187	185	2	---	---
4900 non-metal. min. nec	187	185	2	---	---
Total primary manufactured goods	311	169	141	1	1
Subtotal paper products	113	0	111	1	---
5110 newsprint	2	---	2	---	---
5120 paper & paperboard	109	---	107	1	---
5190 paper products nec	3	0	3	---	---
Subtotal lime, cement and glass	15	---	15	---	---
5220 cement & concrete	0	---	0	---	---
5240 glass & glass prod.	13	---	13	---	---
5290 misc. mineral prod.	2	---	2	---	---

WILMINGTON HARBOR, DE
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Subtotal primary iron and steel products	175	168	6	---	1
5312 pig iron	0	---	0	---	---
5315 ferro alloys	1	---	1	---	---
5320 i&s primary forms	47	47	0	---	---
5330 i&s plates & sheets	39	34	5	---	1
5360 i&s bars & shapes	87	87	0	---	---
5370 i&s pipe & tube	1	0	0	---	---
5390 primary i&s nec	1	1	1	---	---
Subtotal primary non-ferrous metal products	8	0	8	---	---
5421 copper	3	0	3	---	---
5422 aluminum	3	0	3	---	---
5429 smelted prod. nec	0	---	0	---	---
5480 fab. metal products	2	0	2	---	---
Subtotal primary wood products	0	---	0	---	---
5540 primary wood prod.	0	---	0	---	---
Total food and farm products	1,224	1,181	43	---	0
Subtotal fish	9	8	1	---	---
6134 fish (not shellfish)	7	7	0	---	---
6136 shellfish	2	1	0	---	---
Subtotal grain	6	2	4	---	---
6344 corn	2	2	0	---	---
6442 rice	4	---	4	---	---
6443 barley & rye	0	---	0	---	---
6445 oats	0	---	0	---	---
Subtotal oilseeds	0	0	0	---	---
6522 soybeans	0	---	0	---	---
6534 flaxseed	0	---	0	---	---
6590 oilseeds nec	0	0	0	---	---
Subtotal vegetable products	25	12	12	---	---
6653 vegetable oils	0	---	0	---	---
6654 vegetables & prod.	25	12	12	---	---
Subtotal processed grain and animal feed	4	---	4	---	---
6746 wheat flour	0	---	0	---	---
6747 grain mill products	2	---	2	---	---
6781 hay & fodder	1	---	1	---	---
6782 animal feed, prep.	1	---	1	---	---
Subtotal other agricultural products	1,180	1,158	22	---	0
6811 meat, fresh, frozen	59	57	2	---	0
6817 meat, prepared	6	0	6	---	---
6822 dairy products	3	0	3	---	---
6835 fish, prepared	0	0	0	---	---
6838 tallow, animal oils	0	---	0	---	---
6839 animals & prod. nec	0	0	0	---	---
6856 bananas & plantains	808	808	---	---	---
6857 fruit & nuts nec	246	241	4	---	---
6858 fruit juices	50	50	0	---	---
6861 sugar	0	---	0	---	---
6871 coffee	0	0	0	---	---
6872 cocoa beans	0	0	0	---	---
6885 alcoholic beverages	1	0	1	---	---
6888 water & ice	0	---	0	---	---
6889 food products nec	5	1	4	---	---
6891 tobacco & products	0	0	0	---	---
6893 cotton	0	---	0	---	---
6899 farm products nec	0	0	0	---	---
Total all manufactured equipment, machinery and products	128	16	112	0	---
7110 machinery (not elec)	8	1	7	---	---
7120 electrical machinery	6	1	5	---	---
7210 vehicles & parts	99	13	87	---	---
7230 ships & boats	0	0	0	---	---
7300 ordnance & access.	0	---	0	---	---
7400 manufac. wood prod.	1	0	0	---	---
7500 textile products	8	0	7	0	---
7600 rubber & plastic pr.	2	0	2	---	---
7900 manufac. prod. nec	4	0	4	---	---
Total unknown or not elsewhere classified	3	0	3	---	---
9900 unknown or nec	3	0	3	---	---

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	1,114	121	59	431	503
Total petroleum and petroleum products	1,055	114	59	381	502
Subtotal crude petroleum	8	8	---	---	---
2100 crude petroleum	8	8	---	---	---
Subtotal petroleum products	1,047	105	59	381	502
2330 distillate fuel oil	159	---	16	140	3
2340 residual fuel oil	888	105	43	241	499
2350 lube oil & greases	0	---	---	0	---
Total crude materials, inedible except fuels	30	---	---	30	---
Subtotal non-ferrous ores and scrap	30	---	---	30	---
4690 non-ferrous ores nec	30	---	---	30	---

WILMINGTON HARBOR, DE
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total primary manufactured goods	27	8	—	19	—
Subtotal primary iron and steel products	8	8	—	—	—
5390 primary i&s nec	8	8	—	—	—
Subtotal primary non-ferrous metal products	19	—	—	19	—
5480 fab. metal products	19	—	—	19	—
Total food and farm products	0	—	—	0	—
Subtotal other agricultural products	0	—	—	0	—
6887 groceries	0	—	—	0	—
6888 water & ice	0	—	—	0	—
Total all manufactured equipment, machinery and products	1	—	—	—	1
7600 rubber & plastic pr.	1	—	—	—	1

*Includes 76 (x1000) tons of foreign inbound in-transits; Includes 30 (x1000) tons of foreign outbound in-transits;
Includes 0 (x1000) tons of Canadian inbound in-transits.

INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE BAY, DE AND MD - CHESAPEAKE AND DELAWARE CANAL

Section Included: Delaware River to Pooles Island in Chesapeake Bay, 46 miles. Controlling Depth: In September 1989, 34.1 feet in middle half of channel. Project Depth: 35 feet at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	17,922	1991	12,662	1994	13,634	1997	14,722
1989	17,749	1992	13,529	1995	12,815		
1990	12,905	1993	14,533	1996	14,290		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total*	Foreign		Total	Domestic			
		Through			Coastwise		Internal	
		Upbound	Downbnd		Through		Upbound	Downbnd
					Upbound	Downbnd		
Total, all commodities	14,722	1,931	3,521	9,270	1,779	999	1,895	4,596
Total coal	2,737	168	—	2,569	1,303	—	1,261	5
1100 coal lignite	2,732	168	—	2,564	1,303	—	1,261	—
1200 coal coke	5	—	—	5	—	—	—	5
Total petroleum and petroleum products	3,063	54	75	2,934	187	472	369	1,906
Subtotal crude petroleum	46	—	—	46	—	—	—	46
2100 crude petroleum	46	—	—	46	—	—	—	46
Subtotal petroleum products	3,016	54	75	2,888	187	472	369	1,860
2211 gasoline	576	—	—	576	47	66	235	229
2221 kerosene	18	—	—	18	—	—	4	15
2330 distillate fuel oil	408	—	—	408	41	22	59	286
2340 residual fuel oil	633	—	21	612	12	117	72	411
2350 lube oil & greases	13	—	—	13	8	4	—	—
2410 petro. jelly & waxes	65	—	—	65	—	65	—	—
2429 naphtha & solvents	48	—	—	48	—	1	—	47
2430 asphalt, tar & pitch	1,235	54	53	1,127	72	197	—	858
2540 petroleum coke	21	—	—	21	7	—	—	14
Total chemicals and related products	885	26	117	742	100	121	36	486
Subtotal fertilizers	74	—	35	38	10	—	28	—
3110 nitrogenous fert.	51	—	13	38	10	—	28	—
3130 potassic fert.	23	—	23	—	—	—	—	—
Subtotal other chemicals and related products	811	26	81	704	90	121	8	486
3211 acyclic hydrocarbons	3	—	—	3	—	3	—	—
3212 benzene & toluene	20	—	—	20	—	—	—	20
3219 other hydrocarbons	12	—	—	12	0	11	—	—
3220 alcohols	297	—	1	296	9	14	—	274
3230 carboxylic acids	7	—	—	7	3	3	—	—
3260 organic comp. nec	0	—	—	0	0	0	—	—
3272 sulphuric acid	51	—	17	34	—	3	—	31
3273 ammonia	6	—	6	—	—	—	—	—
3274 sodium hydroxide	188	—	24	164	54	70	8	33
3275 inorg. elem. oxides, & halogen salts	0	—	—	0	0	—	—	—
3276 metallic salts	109	—	—	109	—	—	—	109
3285 perfumes & cleansers	0	—	—	0	0	—	—	—
3286 plastics	0	—	—	0	—	0	—	—
3292 starches, gluten, glue	0	—	—	0	—	0	—	—
3297 chemical additives	52	—	—	52	21	13	—	19
3298 wood & resin chem.	2	—	—	2	1	1	—	—
3299 chem. products nec	64	26	34	4	1	3	—	—

INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE BAY, DE AND MD - CHESAPEAKE AND DELAWARE CANAL
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Total	Domestic			
		Through			Coastwise		Internal	
		Upbound	Downbnd		Upbound	Downbnd	Upbound	Downbnd
Total crude materials, inedible except fuels	2,886	86	468	2,332	25	5	131	2,172
Subtotal forest products, wood and chips	0	---	---	0	0	0	---	0
4150 fuel wood	0	---	---	0	---	---	---	0
4189 lumber	0	---	---	0	0	0	---	---
4190 forest products nec	0	---	---	0	---	---	---	---
Subtotal pulp and waste paper	2	---	2	0	---	0	---	---
4225 pulp & waste paper	2	---	2	0	---	0	---	---
Subtotal soil, sand, gravel, rock and stone	2,532	21	369	2,142	24	---	1	2,117
4322 limestone	24	---	---	24	24	---	---	---
4323 gypsum	390	21	369	---	---	---	---	---
4331 sand & gravel	2,107	---	---	2,107	---	---	1	2,106
4335 waterway improv. mat	11	---	---	11	---	---	---	11
Subtotal iron ore and scrap	195	24	27	144	---	5	95	44
4410 iron ore	51	24	27	---	---	---	---	---
4420 iron & steel scrap	144	---	---	144	---	5	95	44
Subtotal marine shells	5	---	---	5	---	---	5	---
4515 marine shells	5	---	---	5	---	---	5	---
Subtotal non-ferrous ores and scrap	54	---	13	41	---	---	30	11
4670 manganese ore	10	---	10	---	---	---	---	---
4680 non-ferrous scrap	11	---	---	11	---	---	---	11
4690 non-ferrous ores nec	33	---	3	30	---	---	30	---
Subtotal sulphur, clay and salt	23	2	21	---	---	---	---	---
4782 clay & refrac. mat.	23	2	21	---	---	---	---	---
Subtotal slag	75	39	36	---	---	---	---	---
4860 slag	75	39	36	---	---	---	---	---
Total primary manufactured goods	845	68	262	515	82	328	84	20
Subtotal paper products	42	2	38	2	0	2	---	---
5120 paper & paperboard	2	---	---	2	0	2	---	---
5190 paper products nec	40	2	38	0	---	0	---	---
Subtotal lime, cement and glass	394	---	---	394	71	323	---	---
5220 cement & concrete	394	---	---	394	71	323	---	---
5290 misc. mineral prod.	1	---	---	1	---	1	---	---
Subtotal primary iron and steel products	51	7	18	25	8	0	---	18
5315 ferro alloys	18	3	15	---	---	---	---	---
5360 i&s bars & shapes	17	---	---	17	---	0	---	17
5370 i&s pipe & tube	0	---	---	0	---	---	---	0
5390 primary i&s nec	15	4	3	8	8	---	---	---
Subtotal primary non-ferrous metal products	293	59	207	27	4	3	19	2
5422 aluminum	23	21	2	0	0	0	---	---
5480 fab. metal products	270	38	205	27	4	3	19	2
Subtotal primary wood products	65	---	---	65	---	---	65	---
5540 primary wood prod.	65	---	---	65	---	---	65	---
Total food and farm products	47	32	9	6	---	6	---	---
Subtotal oilseeds	1	1	---	---	---	---	---	---
6590 oilseeds nec	1	1	---	---	---	---	---	---
Subtotal vegetable products	0	---	---	0	---	0	---	---
6654 vegetables & prod.	0	---	---	0	---	0	---	---
Subtotal other agricultural products	46	31	9	6	---	6	---	---
6861 sugar	16	13	---	4	---	4	---	---
6865 molasses	26	18	8	---	---	---	---	---
6885 alcoholic beverages	3	---	1	2	---	2	---	---
6888 water & ice	1	---	---	1	---	1	---	---
Total all manufactured equipment, machinery and products	4,259	1,498	2,590	171	82	66	14	9
7110 machinery (not elec)	4	---	---	4	0	0	2	2
7210 vehicles & parts	649	193	457	0	---	0	---	---
7220 aircraft & parts	0	---	---	0	---	---	---	0
7400 manufac. wood prod.	0	---	---	0	---	0	---	0
7500 textile products	0	---	---	0	0	0	---	---
7600 rubber & plastic pr.	40	7	26	7	---	5	---	1
7900 manufac. prod. nec	3,565	1,298	2,107	160	82	61	12	5
Ton-miles (x1000)	671,842	88,823	161,979	421,039	79,165	43,271	87,177	211,427
Tons All Traffic (x1000)		14,722						
Ton-miles All Traffic (x1000)		671,842						

* Total has been adjusted to reflect modifications to internal tonnage assignments.

Other Harbors and Waterways 1997

Harbor or Waterway Project	Commodity	Thousand Short Tons
ABSECON CREEK, NJ	No Commerce Reported	
ABSECON INLET, NJ	6134 fish (not shellfish) 6136 shellfish	3 0
	Total Tons(x1000)	3
	Total Ton-miles(x1000)	3
ALLOWAY CREEK, NJ	No Commerce Reported	
APPOQUINIMINK RIVER, DE	No Commerce Reported	
BARNEGAT INLET, NJ	6134 fish (not shellfish) 6136 shellfish	1 0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
BIG TIMBER CREEK, NJ	No Commerce Reported	
BROADKILL RIVER, DE	No Commerce Reported	
CAPE MAY CANAL, NJ	6134 fish (not shellfish) 7110 machinery (not elec)	2 0
	Total Tons(x1000)	2
	Total Ton-miles(x1000)	2
COHANSEY RIVER, NJ	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
COLD SPRING INLET, NJ	6134 fish (not shellfish) 6136 shellfish	11 23
	Total Tons(x1000)	34
	Total Ton-miles(x1000)	34
COOPER RIVER, NJ	No Commerce Reported	
HARBOR OF REFUGE, DELAWARE BAY, DE	No Commerce Reported	
HOPE CREEK, NJ	No Commerce Reported	
INDIAN RIVER INLET AND BAY, DE	No Commerce Reported	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
INLAND WATERWAY BETWEEN REHOBOTH BAY AND DELAWARE BAY, DE	No Commerce Reported	
LEIPSIC RIVER, DE	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
LITTLE EGG HARBOR, NJ	No Commerce Reported	
LITTLE RIVER, DE	No Commerce Reported	
MANASQUAN RIVER, NJ	2330 distillate fuel oil	0
	6134 fish (not shellfish)	0
	6136 shellfish	6
	Total Tons(x1000)	7
	Total Ton-miles(x1000)	13
MANTUA CREEK, NJ	5360 i&s bars & shapes	17
	5370 i&s pipe & tube	0
	5480 fab. metal products	0
	5540 primary wood prod.	65
	Total Tons(x1000)	83
	Total Ton-miles(x1000)	83
MAURICE RIVER, NJ	4515 marine shells	17
	6134 fish (not shellfish)	2
	6136 shellfish	1
	Total Tons(x1000)	20
	Total Ton-miles(x1000)	107
MISPILLION RIVER, DE	3110 nitrogenous fert.	4
	6887 groceries	6
	Total Tons(x1000)	9
	Total Ton-miles(x1000)	48
MURDERKILL RIVER, DE	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
NEW JERSEY INTRACOASTAL WATERWAY	6134 fish (not shellfish)	15
	6136 shellfish	29
	7110 machinery (not elec)	0
	Total Tons(x1000)	43
	Total Ton-miles(x1000)	247

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SALEM RIVER, NJ - continued	7500 textile products 7600 rubber & plastic pr. 7900 manufac. prod. nec 9900 unknown or nec	3 1 5 2
	Total Tons(x1000)	93
	Total Ton-miles(x1000)	280
SMYRNA RIVER, DE	No Commerce Reported	
ST. JONES RIVER, DE	No Commerce Reported	
TOMS RIVER, NJ	No Commerce Reported	
TUCKERTON CREEK, NJ	No Commerce Reported	
WATERWAY FROM INDIAN RIVER INLET TO REHOBOTH BAY, DE	No Commerce Reported	

BALTIMORE HARBOR AND CHANNELS, MD

Section Included: Mouth of Chesapeake Bay to Baltimore, MD. Controlling Depth: Cape Henry to Craighill Entrance 50.0 feet. Craighill Entrance to Ft. McHenry, 45.0 feet; southern approach channels to Chesapeake and Delaware Canal, 35 feet. Branch channel range from 15 to 40.8 feet; anchorages; 2 at 35.0 feet and 1 at 30.2 feet. Project Depth: Cape Henry to Fort McHenry, Baltimore, MD, 42 feet (under construction to 50.0 feet); southern approach channels to Chesapeake and Delaware Canal, 35 feet. Branch Channels range from 15 to 42 feet (under construction to 50.0 feet); anchorages 30 feet and 35 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	41,926	1991	37,745	1994	41,450	1997	40,029
1989	44,884	1992	37,656	1995	44,696		
1990	39,538	1993	37,170	1996	43,552		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	25,222	11,777	9,719	3,194	532
Total coal	8,964	1,145	7,292	---	526
1100 coal lignite	7,819	0	7,292	---	526
1200 coal coke	1,145	1,145	---	---	---
Total petroleum and petroleum products	485	443	17	22	3
Subtotal petroleum products	485	443	17	22	3
2330 distillate fuel oil	59	59	---	---	---
2340 residual fuel oil	159	154	2	---	3
2350 lube oil & greases	28	20	8	---	0
2410 petro. jelly & waxes	7	2	4	---	---
2429 naphtha & solvents	2	---	2	---	---
2430 asphalt, tar & pitch	1	1	0	---	---
2540 petroleum coke	231	208	1	22	---
2640 liquid natural gas	0	---	0	---	---
Total chemicals and related products	738	405	278	54	1
Subtotal fertilizers	183	150	8	25	---
3110 nitrogenous fert.	118	118	0	---	---
3130 potassic fert.	25	---	---	25	---
3190 fert. & mixes nec	40	32	8	---	---
Subtotal other chemicals and related products	555	255	270	29	1
3211 acyclic hydrocarbons	0	0	0	---	---
3212 benzene & toluene	0	---	0	---	---
3219 other hydrocarbons	4	1	3	---	---
3220 alcohols	13	4	9	---	---
3230 carboxylic acids	19	8	10	0	---
3240 nitrogen func. comp.	10	4	6	---	---
3250 organo-inorganic comp.	13	7	5	---	---
3260 organic comp. nec	15	3	12	---	---
3271 sulphur (liquid)	0	---	0	---	---
3272 sulphuric acid	35	5	1	29	---
3274 sodium hydroxide	63	61	2	---	---
3275 inorg. elem., oxides, & halogen salts	97	81	16	---	---
3276 metallic salts	35	23	11	0	1
3279 inorganic chem. nec	8	7	0	0	---
3281 radioactive material	3	2	1	---	---
3282 pigments & paints	19	4	15	---	---
3283 coloring mat. nec	8	6	2	0	---
3284 medicines	3	1	2	0	---
3285 perfumes & cleansers	15	2	14	---	---
3286 plastics	156	24	132	0	---
3291 pesticides	3	1	2	---	---
3292 starches, gluten, glue	6	3	3	---	---
3293 explosives	0	0	0	---	---
3297 chemical additives	9	1	8	---	---
3298 wood & resin chem.	1	0	0	---	---
3299 chem. products nec	19	6	14	---	---
Total crude materials, inedible except fuels	8,916	5,424	375	3,115	2
Subtotal forest products, wood and chips	339	93	246	0	---
4110 rubber & gums	45	45	0	---	---
4150 fuel wood	0	---	0	---	---
4161 wood chips	1	---	1	---	---
4170 wood in the rough	50	1	49	---	---
4189 lumber	239	43	196	0	---
4190 forest products nec	4	4	0	---	---
Subtotal pulp and waste paper	359	325	34	---	---
4225 pulp & waste paper	359	325	34	---	---
Subtotal soil, sand, gravel, rock and stone	1,291	504	11	777	---
4310 building stone	0	0	0	---	---
4322 limestone	248	248	---	---	---
4323 gypsum	782	0	5	777	---
4331 sand & gravel	260	255	5	---	---
Subtotal iron ore and scrap	4,847	2,541	3	2,302	---
4410 iron ore	4,808	2,505	1	2,302	---
4420 iron & steel scrap	39	36	2	---	---
Subtotal marine shells	0	0	0	---	---
4515 marine shells	0	0	0	---	---
Subtotal non-ferrous ores and scrap	591	487	67	35	2
4630 copper ore	0	0	---	---	---
4650 aluminum ore	395	394	1	---	---
4670 manganese ore	121	67	55	---	---
4680 non-ferrous scrap	70	25	10	35	---
4690 non-ferrous ores nec	5	2	1	---	2

BALTIMORE HARBOR AND CHANNELS, MD
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Subtotal sulphur, clay and salt	71	59	12	—	—
4741 sulphur, (dry)	1	0	1	—	—
4782 clay & refrac. mat.	70	59	11	—	—
Subtotal slag	201	201	0	—	—
4860 slag	201	201	0	—	—
Subtotal other non-metal. min.	1,217	1,214	2	1	—
4900 non-metal. min. nec	1,217	1,214	2	1	—
Total primary manufactured goods	1,859	1,519	338	1	0
Subtotal paper products	272	169	102	1	0
5110 newsprint	0	—	0	—	—
5120 paper & paperboard	240	156	83	1	0
5190 paper products nec	32	13	19	—	—
Subtotal lime, cement and glass	320	260	60	0	—
5220 cement & concrete	188	187	1	—	—
5240 glass & glass prod.	38	13	25	—	—
5290 misc. mineral prod.	94	60	34	0	—
Subtotal primary iron and steel products	791	676	114	0	—
5312 pig iron	13	12	1	—	—
5315 ferro alloys	209	208	1	0	—
5320 i&s primary forms	108	107	1	—	—
5330 i&s plates & sheets	288	187	101	0	—
5360 i&s bars & shapes	126	124	2	—	—
5370 i&s pipe & tube	35	27	8	—	—
5390 primary i&s nec	12	11	1	0	—
Subtotal primary non-ferrous metal products	415	366	49	—	0
5421 copper	31	30	1	—	—
5422 aluminum	170	157	12	—	0
5429 smelted prod. nec	127	121	6	—	—
5480 fab. metal products	87	57	30	—	0
Subtotal primary wood products	60	48	12	—	—
5540 primary wood prod.	60	48	12	—	—
Total food and farm products	2,580	1,844	736	0	—
Subtotal fish	13	12	1	—	—
6134 fish (not shellfish)	11	11	1	—	—
6136 shellfish	1	1	0	—	—
Subtotal grain	55	27	28	—	—
6344 corn	26	1	25	—	—
6442 rice	17	14	3	—	—
6445 oats	13	13	—	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	596	0	596	—	—
6521 peanuts	0	—	0	—	—
6522 soybeans	595	—	595	—	—
6590 oilseeds nec	0	0	0	—	—
Subtotal vegetable products	56	41	15	0	—
6653 vegetable oils	6	5	1	0	—
6654 vegetables & prod.	50	36	14	—	—
Subtotal processed grain and animal feed	43	6	37	—	—
6746 wheat flour	0	0	0	—	—
6747 grain mill products	13	4	9	—	—
6781 hay & fodder	1	—	1	—	—
6782 animal feed, prep.	29	2	27	—	—
Subtotal other agricultural products	1,817	1,757	60	0	—
6811 meat, fresh, frozen	28	6	22	—	—
6817 meat, prepared	16	14	1	—	—
6822 dairy products	3	0	2	—	—
6835 fish, prepared	22	22	0	—	—
6838 tallow, animal oils	1	0	1	—	—
6839 animals & prod. nec	5	3	3	—	—
6856 bananas & plantains	0	0	—	—	—
6857 fruit & nuts nec	13	11	2	—	—
6858 fruit juices	73	71	1	0	—
6861 sugar	1,287	1,287	1	—	—
6865 molasses	183	183	—	—	—
6871 coffee	15	15	0	—	—
6872 cocoa beans	13	13	1	—	—
6885 alcoholic beverages	77	73	4	—	—
6888 water & ice	16	16	0	—	—
6889 food products nec	57	39	18	—	—
6891 tobacco & products	7	3	4	—	—
6893 cotton	0	—	0	—	—
6894 natural fibers nec	0	0	—	—	—
6899 farm products nec	2	1	1	—	—
Total all manufactured equipment, machinery and products	1,660	987	672	1	0
7110 machinery (not elec)	708	428	279	1	0
7120 electrical machinery	66	26	39	0	0
7210 vehicles & parts	593	356	236	—	0
7220 aircraft & parts	0	0	0	0	—
7230 ships & boats	5	1	4	—	—
7300 ordnance & access.	3	1	2	—	—
7400 manufac. wood prod.	23	18	5	0	—
7500 textile products	38	19	19	0	—
7600 rubber & plastic pr.	84	43	41	0	0
7900 manufac. prod. nec	141	94	47	0	0
Total unknown or not elsewhere classified	21	10	10	0	—
9900 unknown or nec	21	10	10	0	—
Ton-miles (x1000) Foreign & Canadian	226,999	105,997	87,468	28,745	4,788

BALTIMORE HARBOR AND CHANNELS, MD
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	14,807	1,940	1,641	6,970	2,391	179	1,686
Total coal	6,463	—	1,159	3,538	389	8	1,369
1100 coal lignite	6,463	—	1,159	3,538	389	8	1,369
Total petroleum and petroleum products	3,684	1,473	21	1,514	384	129	164
Subtotal petroleum products	3,684	1,473	21	1,514	384	129	164
2211 gasoline	1,185	535	12	380	255	3	—
2221 kerosene	21	—	—	11	10	—	—
2330 distillate fuel oil	758	446	—	253	44	7	8
2340 residual fuel oil	899	239	7	309	75	118	151
2350 lube oil & greases	5	—	—	—	—	—	5
2410 petro. jelly & waxes	65	65	—	—	—	—	—
2429 naphtha & solvents	5	3	2	—	—	—	—
2430 asphalt, tar & pitch	731	185	—	546	—	—	—
2540 petroleum coke	14	—	—	14	—	—	—
Total chemicals and related products	424	33	1	229	12	17	133
Subtotal fertilizers	48	10	—	33	5	—	—
3110 nitrogenous fert.	48	10	—	33	5	—	—
Subtotal other chemicals and related products	377	23	1	196	8	17	133
3212 benzene & toluene	21	2	—	20	—	—	—
3219 other hydrocarbons	6	6	—	—	—	—	—
3260 organic comp. nec	0	0	0	—	—	—	—
3272 sulphuric acid	178	3	—	26	—	17	132
3274 sodium hydroxide	60	11	—	41	8	—	1
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—	—	—
3276 metallic salts	109	—	—	109	—	—	—
3285 perfumes & cleansers	0	0	0	—	—	—	—
3286 plastics	0	0	—	—	—	—	—
3292 starches, gluten, glue	0	0	—	—	—	—	—
3299 chem. products nec	1	1	—	—	—	—	—
Total crude materials, inedible except fuels	1,424	11	46	1,078	288	0	0
Subtotal forest products, wood and chips	1	0	0	0	0	0	0
4150 fuel wood	0	—	—	0	—	0	—
4170 wood in the rough	0	—	—	—	—	0	0
4189 lumber	1	0	0	—	0	—	—
4190 forest products nec	0	—	—	—	—	—	—
Subtotal pulp and waste paper	0	0	—	—	—	—	—
4225 pulp & waste paper	0	0	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	1,181	—	24	1,013	144	—	—
4322 limestone	24	—	24	—	—	—	—
4331 sand & gravel	1,157	—	—	1,013	144	—	—
Subtotal iron ore and scrap	100	—	—	—	100	0	—
4420 iron & steel scrap	100	—	—	—	100	0	—
Subtotal marine shells	66	—	—	66	—	—	—
4515 marine shells	66	—	—	66	—	—	—
Subtotal slag	76	11	21	—	44	—	—
4860 slag	76	11	21	—	44	—	—
Total primary manufactured goods	844	320	333	8	159	23	0
Subtotal paper products	2	2	0	—	—	—	—
5120 paper & paperboard	2	2	0	—	—	—	—
5190 paper products nec	0	0	—	—	—	—	—
Subtotal lime, cement and glass	818	317	333	0	144	23	0
5220 cement & concrete	815	317	333	—	143	23	—
5240 glass & glass prod.	0	0	—	—	—	—	—
5290 misc. mineral prod.	3	1	—	0	1	0	0
Subtotal primary iron and steel products	1	0	—	—	0	0	—
5360 i&s bars & shapes	0	0	—	—	—	0	—
5370 i&s pipe & tube	0	—	—	—	0	—	—
Subtotal primary non-ferrous metal products	23	1	0	7	15	0	—
5422 aluminum	0	0	0	—	—	—	—
5480 fab. metal products	22	0	—	7	15	0	—
Total food and farm products	43	26	—	0	—	—	17
Subtotal fish	0	—	—	0	—	—	—
6134 fish (not shellfish)	0	—	—	0	—	—	—
Subtotal vegetable products	1	1	—	—	—	—	—
6653 vegetable oils	0	0	—	—	—	—	—
6654 vegetables & prod.	1	1	—	—	—	—	—
Subtotal processed grain and animal feed	0	0	—	—	—	—	—
6747 grain mill products	0	0	—	—	—	—	—
Subtotal other agricultural products	42	25	—	—	—	—	17
6861 sugar	18	18	—	—	—	—	—
6885 alcoholic beverages	6	6	—	—	—	—	—
6888 water & ice	18	1	—	—	—	—	17
Total all manufactured equipment, machinery and products	1,924	77	82	604	1,159	1	2
7110 machinery (not elec)	3	1	0	0	1	0	0
7120 electrical machinery	0	0	—	—	—	—	—
7210 vehicles & parts	0	0	—	—	—	—	—

BALTIMORE HARBOR AND CHANNELS, MD
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
7230 ships & boats	0	0	—	0	—	—	—
7400 manufac. wood prod.	0	—	—	0	0	0	0
7500 textile products	0	0	0	—	—	—	—
7600 rubber & plastic pr.	10	10	—	—	—	—	—
7900 manufac. prod. nec	1,911	66	82	603	1,158	0	2
Total waste and scrap nec	1	—	—	0	—	1	—
8900 waste and scrap nec	1	—	—	0	—	1	—
Ton-miles (x1000)	122,214	19,433	15,370	54,881	25,094	416	7,021
Domestic							
Tons All Traffic (x1000)	40,029						
Ton-miles All Traffic (x1000)	349,213						

*Includes 12 (x1000) tons of foreign inbound in-transits; Includes 32 (x1000) tons of foreign outbound in-transits.

SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD

Section Included: From mouth to Spesutie Narrows, MD. Controlling Depth: 15 feet from Chesapeake Bay to Spesutie Narrows, MD. Project Depth: 15 feet below Harve De Grace; 8 feet above Harve De Grace. Project Length: 4 miles. Navigation Season: Entire year.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	852	1991	865	1994	1,986	1997	2,118
1989	899	1992	901	1995	2,111		
1990	1,205	1993	1,425	1996	1,845		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal	
		Outbound	Downbnd
Total, all commodities	2,117	2,117	2,117
Total crude materials, inedible except fuels	2,117	2,117	2,117
Subtotal soil, sand, gravel, rock and stone	2,117	2,117	2,117
4331 sand & gravel	2,106	2,106	2,106
4335 waterway improv. mat	11	11	11
Ton-miles (x1000)	16,652	16,652	16,652
Tons All Traffic (x1000)	2,118		
Ton-miles All Traffic (x1000)	16,652		

NANTICOKE RIVER (INCLUDING NORTHWEST FORK), DE AND MD

Section Included: Nanticoke River from mouth to Seaford, DE, Northwest Fork from mouth to Federalsburg, MD. Controlling Depth: Nanticoke River, 11.5 feet to Hawks Nest shoal; 10.5 feet in Seaford, DE; Northwest Fork, 3 feet. Project Depth: Nanticoke River, 12 feet to Seaford, DE, Northwest Fork, 6 feet to 0.5 mile below Federalsburg, MD.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	354	1991	302	1994	529	1997	462
1989	409	1992	339	1995	541		
1990	235	1993	466	1996	644		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound Upbound	Outbound Downbnd
Total, all commodities	462	345	117
Total petroleum and petroleum products	127	127	—
Subtotal petroleum products	127	127	—
2330 distillate fuel oil	42	42	—
2340 residual fuel oil	85	85	—
Total chemicals and related products	102	102	—
Subtotal fertilizers	102	102	—
3110 nitrogenous fert.	90	90	—
3190 fert. & mixes nec	12	12	—

NANTICOKE RIVER (INCLUDING NORTHWEST FORK), DE AND MD
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Internal	
		Inbound Upbound	Outbound Downbnd
Total crude materials, inedible except fuels	154	104	50
Subtotal soil, sand, gravel, rock and stone	147	98	50
4331 sand & gravel	147	98	50
Subtotal marine shells	5	5	—
4515 marine shells	5	5	—
Subtotal slag	2	2	—
4860 slag	2	2	—
Total food and farm products	79	12	67
Subtotal grain	72	12	61
6241 wheat	11	3	8
6344 corn	9	9	—
6443 barley & rye	53	—	53
Subtotal oilseeds	6	—	6
6522 soybeans	6	—	6
Ton-miles (x1000)	17,504	12,886	4,618
Tons All Traffic (x1000)	462		
Ton-miles All Traffic (x1000)	17,504		

WICOMICO RIVER, MD (EASTERN SHORE)

Section Included: From mouth to Salisbury, MD. Controlling Depth: 12 feet in Main River; branch channels range from 2 to 10 feet; 6 feet to and in Boat Basin at Webster Cove. Project Depth: 14 feet to Main Street Bridge and in prongs at Salisbury; 6 feet to and in small boat basin at Webster Cove.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,099	1991	879	1994	1,141	1997	1,165
1989	961	1992	964	1995	1,291		
1990	1,016	1993	1,044	1996	1,179		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal		
		Inbound Upbound	Outbound Downbnd	Intra Downbnd
Total, all commodities	1,164	1,133	31	1
Total petroleum and petroleum products	555	553	2	—
Subtotal petroleum products	555	553	2	—
2211 gasoline	371	369	2	—
2221 kerosene	5	5	—	—
2330 distillate fuel oil	123	123	—	—
2340 residual fuel oil	56	56	—	—
Total crude materials, inedible except fuels	424	394	29	1
Subtotal soil, sand, gravel, rock and stone	419	389	29	—
4331 sand & gravel	419	389	29	—
Subtotal marine shells	1	1	—	1
4515 marine shells	1	1	—	1
Subtotal slag	4	4	—	—
4860 slag	4	4	—	—
Total food and farm products	186	186	—	—
Subtotal grain	141	141	—	—
6344 corn	140	140	—	—
6443 barley & rye	2	2	—	—
Subtotal oilseeds	45	45	—	—
6522 soybeans	45	45	—	—
Ton-miles (x1000)	29,103	28,316	784	3
Tons All Traffic (x1000)	1,165			
Ton-miles All Traffic (x1000)	29,104			

POCOMOKE RIVER, MD

Section Included: From mouth to Snow Hill, MD. Controlling Depth: 8 feet from mouth to Snow Hill; 7 feet through the Muds (Pocomoke Sound to Pocomoke River): 3.4 feet above bridge in Snow Hill. Project Depth: 9 feet in the river to Snow Hill and 7 feet over the Muds.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	227	1991	566	1994	340	1997	431
1989	592	1992	354	1995	357		
1990	1,053	1993	349	1996	383		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound Upbound	Outbound Downbnd
Total, all commodities	431	152	279
Total crude materials, inedible except fuels	431	152	279
Subtotal forest products, wood and chips	279	—	279
4161 wood chips	279	—	279
Subtotal soil, sand, gravel, rock and stone	133	133	—
4331 sand & gravel	133	133	—
Subtotal marine shells	10	10	—
4515 marine shells	10	10	—
Subtotal slag	9	9	—
4860 slag	9	9	—
Total food and farm products	0	—	0
Subtotal fish	0	—	0
6136 shellfish	0	—	0
Ton-miles (x1000)	6,951	2,482	4,469

Tons All Traffic (x1000) 431
Ton-miles All Traffic (x1000) 6,951

WASHINGTON HARBOR, DC

Section Included: Anacostia River, Washington Channel and Virginia Channel. Controlling Depth: 17 feet at Haines Point, Anacostia River, 14.4 feet from mouth to 11th Street, balance of river ranges from 6 to 20 feet; Washington Channel, 17 feet from Haines Point to 7th Street, 17 feet to 12th Street; Virginia, 11.4 feet from Giesboro Point to Key Bridge. Project Depth: 24 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	536	1991	331	1994	704	1997	706
1989	559	1992	559	1995	860		
1990	449	1993	662	1996	747		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal
		Receipts
Total, all commodities	706	706
Total petroleum and petroleum products	125	125
Subtotal petroleum products	125	125
2211 gasoline	99	99
2330 distillate fuel oil	26	26
Total crude materials, inedible except fuels	581	581
Subtotal soil, sand, gravel, rock and stone	581	581
4331 sand & gravel	581	581

ANACOSTIA RIVER, DC (INCLUDED IN WASHINGTON HARBOR DC)

Section Included: Mouth to Magruder Bridge, 6.6 miles. Controlling Depth: 14.4 feet to 11th Street Bridge, 2.1 miles upstream of mouth; balance of waterway ranges from 6 to 20 feet. Project Depth: 24 feet to Foot of 15th Street S. E.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	536	1991	331	1994	704	1997	706
1989	559	1992	559	1995	860		
1990	449	1993	662	1996	747		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Upbound
Total, all commodities	706		706
Total petroleum and petroleum products	125		125
Subtotal petroleum products	125		125
2211 gasoline	99		99
2330 distillate fuel oil	26		26
Total crude materials, inedible except fuels	581		581
Subtotal soil, sand, gravel, rock and stone	581		581
4331 sand & gravel	581		581
Ton-miles (x1000)	1,332		1,332

Tons All Traffic (x1000) **706**
Ton-miles All Traffic (x1000) **1,332**

POTOMAC RIVER BELOW WASHINGTON, DC

Section Included: From mouth to Giesboro Point at Washington, DC 108 miles. Controlling Depth: Kettle Bottom Shoal 24 feet; Nanjemoy Bar 21.7 feet; Maryland Pt. Bar 19.5 feet; Liverpool Pt. 21.0 feet; channel between Sandy Pt. and Quantico 22.6 feet; Mattawoman Bar 19.8 feet; Marshall Hall bar 22.3 feet; Hunting Creek Shoal 18.5 feet. Project Depth: 24 feet, Lower Smith Point Bar 20.9 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	3,331	1991	3,090	1994	3,247	1997	2,480
1989	4,295	1992	3,422	1995	2,433		
1990	4,074	1993	2,725	1996	2,084		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Imports	
Total, all commodities	62		62
Total primary manufactured goods	62		62
Subtotal paper products	62		62
5110 newsprint	62		62
Ton-miles (x1000)	6,416		6,416
Imports			

Commodity	Total	Coastwise	
		Receipts	Shipments
Total, all commodities	299	152	148
Total petroleum and petroleum products	276	133	143
Subtotal petroleum products	276	133	143
2211 gasoline	4	—	4
2340 residual fuel oil	95	40	55
2430 asphalt, tar & pitch	170	92	77
2540 petroleum coke	7	—	7
Total chemicals and related products	23	19	5
Subtotal other chemicals and related products	23	19	5
3260 organic comp. nec	5	—	5
3274 sodium hydroxide	19	19	—
Ton-miles (x1000)	5,351	2,577	2,774
Coastwise			

POTOMAC RIVER BELOW WASHINGTON, DC
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Internal					
		Inbound	Outbound	Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	2,119	498	275	950	301	92	3
Total petroleum and petroleum products	960	488	252	125	—	92	3
Subtotal petroleum products	960	488	252	125	—	92	3
2211 gasoline	109	10	—	99	—	—	—
2330 distillate fuel oil	131	102	3	26	—	—	—
2340 residual fuel oil	306	160	117	—	—	26	3
2430 asphalt, tar & pitch	413	215	132	—	—	66	—
Total chemicals and related products	13	—	13	—	—	—	—
Subtotal other chemicals and related products	13	—	13	—	—	—	—
3274 sodium hydroxide	13	—	13	—	—	—	—
Total crude materials, inedible except fuels	1,090	7	8	825	249	—	—
Subtotal soil, sand, gravel, rock and stone	1,074	—	—	825	249	—	—
4331 sand & gravel	1,074	—	—	825	249	—	—
Subtotal marine shells	15	7	8	0	0	—	—
4515 marine shells	15	7	8	0	0	—	—
Total primary manufactured goods	2	2	—	—	—	—	—
Subtotal lime, cement and glass	2	2	—	—	—	—	—
5290 misc. mineral prod.	2	2	—	—	—	—	—
Total food and farm products	54	1	2	0	51	0	0
Subtotal fish	3	1	2	0	0	0	0
6136 shellfish	3	1	2	0	0	0	0
Subtotal grain	45	—	—	—	45	—	—
6241 wheat	25	—	—	—	25	—	—
6344 corn	14	—	—	—	14	—	—
6443 barley & rye	6	—	—	—	6	—	—
Subtotal oilseeds	7	—	—	—	7	—	—
6522 soybeans	7	—	—	—	7	—	—
Total all manufactured equipment, machinery and products	0	0	—	—	—	—	—
7110 machinery (not elec)	0	0	—	—	—	—	—
Total waste and scrap nec	0	—	0	—	—	—	—
8900 waste and scrap nec	0	—	0	—	—	—	—
Ton-miles (x1000)	89,226	18,714	5,281	51,709	7,696	5,749	77
Internal							
Tons All Traffic (x1000)	2,480						
Ton-miles All Traffic (x1000)	101,000						

BRETON BAY, MD

Section Included: From mouth to Leonardtown 6.25 miles. Controlling Depth: 9 feet. Project Depth: 10 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,007	1991	433	1994	79	1997	454
1989	921	1992	299	1995	246		
1990	807	1993	190	1996	474		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal
		Outbound Downbnd
Total, all commodities	454	454
Total crude materials, inedible except fuels	454	454
Subtotal soil, sand, gravel, rock and stone	454	454
4331 sand & gravel	454	454
Ton-miles (x1000)	2,710	2,710
Tons All Traffic (x1000)	454	
Ton-miles All Traffic (x1000)	2,711	

Other Harbors and Waterways 1997

Harbor or Waterway Project	Commodity	ThousandShort Tons
ANNAPOLIS HARBOR, MD	2340 residual fuel oil	4
	Total Tons(x1000)	4
AQUIA CREEK, VA	No Commerce Reported	
BACK CREEK, ANNE ARUNDEL COUNTY, MD	No Commerce Reported	
BETTERTON HARBOR, MD	No Commerce Reported	
BLACK WALNUT HARBOR, MD	No Commerce Reported	
BONUM CREEK, VA	No Commerce Reported	
BRANSONS COVE, VA	4515 marine shells 6136 shellfish	0 0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
BROAD CREEK RIVER, DE	No Commerce Reported	
BROAD CREEK, SOMERSET COUNTY, MD	No Commerce Reported	
BROADWATER CREEK, MD	No Commerce Reported	
CADLE CREEK, MD	No Commerce Reported	
CAMBRIDGE HARBOR, MD	4331 sand & gravel 6134 fish (not shellfish) 6136 shellfish	4 0 2
	Total Tons(x1000)	5
CHANNEL TO ISLAND CREEK, ST. GEORGE ISLAND, MD	No Commerce Reported	
CHESTER RIVER, MD	4331 sand & gravel 4515 marine shells 4860 slag 6136 shellfish	39 15 27 1
	Total Tons(x1000)	82
	Total Ton-miles(x1000)	538
CHOPTANK RIVER, MD	4331 sand & gravel 4515 marine shells 4860 slag	205 13 1

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
CHOPTANK RIVER, MD - continued	6134 fish (not shellfish)	0
	6136 shellfish	3
	Total Tons(x1000)	223
	Total Ton-miles(x1000)	2,556
CLAIBORNE HARBOR, MD	No Commerce Reported	
COAN RIVER, VA	4515 marine shells	3
	6136 shellfish	2
	Total Tons(x1000)	5
	Total Ton-miles(x1000)	10
CORSICA RIVER, MD	No Commerce Reported	
CRISFIELD HARBOR, MD	2211 gasoline	0
	2221 kerosene	0
	2330 distillate fuel oil	1
	6136 shellfish	1
	Total Tons(x1000)	2
CUCKOLD CREEK, MD	No Commerce Reported	
DUCK POINT COVE, MD	6134 fish (not shellfish)	1
	6136 shellfish	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
ELK AND LITTLE ELK RIVERS, MD	No Commerce Reported	
FISHING BAY TRIBUTARIES, DORCHESTER COUNTY, MD	4331 sand & gravel	13
	4335 waterway improv. mat	5
	4515 marine shells	0
	6136 shellfish	0
	Total Tons(x1000)	19
Total Ton-miles(x1000)	58	
FISHING CREEK, CALVERT COUNTY, MD	No Commerce Reported	
GOOSE CREEK, SOMMERSET COUNTY, MD	No Commerce Reported	
HERRING BAY AND ROCKHOLD CREEK, MD	No Commerce Reported	
HERRING CREEK, MD	No Commerce Reported	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
HONGA RIVER AND TAR BAY, MD	4335 waterway improv. mat	7
	4515 marine shells	0
	6134 fish (not shellfish)	1
	6136 shellfish	5
	Total Tons(x1000)	12
	Total Ton-miles(x1000)	38
ISLAND CREEK, MD	4515 marine shells	0
	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
KNAPPS NARROWS, MD	No Commerce Reported	
LITTLE CREEK, QUEEN ANNES COUNTY, MD	No Commerce Reported	
LITTLE WICOMICO RIVER, VA	No Commerce Reported	
LOWER MACHODOC CREEK, VA	4515 marine shells	1
	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	3
LOWER THOROUGHFARE AT OR NEAR WENONA, DEAL ISLAND, MD	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
LOWES WHARF, TALBOT COUNTY, MD	No Commerce Reported	
MANOKIN RIVER, MD	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	7
MIDDLE RIVER AND DARK HEAD CREEK, MD	4331 sand & gravel	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
MILL CREEK, MD	No Commerce Reported	
MONROE BAY AND CREEK, VA	No Commerce Reported	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
MUDDY HOOK AND TYLER COVES, MD	No Commerce Reported	
NAN COVE, MD	No Commerce Reported	
NANTICOKE RIVER AT BIVALVE, MD	No Commerce Reported	
NANTICOKE RIVER AT NANTICOKE, MD	No Commerce Reported	
NEALE SOUND, MD	6134 fish (not shellfish) 6136 shellfish	0 1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
NOMINI BAY AND CREEK, VA	4515 marine shells 6136 shellfish	0 0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
NORTHEAST RIVER, MD	No Commerce Reported	
OCOQUAN CREEK, VA	4331 sand & gravel	244
	Total Tons(x1000)	244
	Total Ton-miles(x1000)	1,465
OCEAN CITY HARBOR AND INLET AND SINEPUXENT BAY, MD	6134 fish (not shellfish) 6136 shellfish	2 11
	Total Tons(x1000)	13
PARISH CREEK, MD	No Commerce Reported	
PATUXENT RIVER, MD	2211 gasoline 2330 distillate fuel oil 4331 sand & gravel 4515 marine shells 6134 fish (not shellfish) 6136 shellfish	65 3 5 0 0 0
	Total Tons(x1000)	74
	Total Ton-miles(x1000)	148
POTOMAC RIVER AT ALEXANDRIA, VA	5110 newsprint 5290 misc. mineral prod. 7110 machinery (not elec) 7120 electrical machinery 7300 ordnance & access. 8900 waste and scrap nec 9900 unknown or nec	62 2 0 0 0 0 0
	Total Tons(x1000)	64

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
POTOMAC RIVER AT LOWER CEDAR POINT, MD	No Commerce Reported	
POTOMAC RIVER AT MT. VERNON, VA	No Commerce Reported	
POTOMAC RIVER, VIRGINIA CHANNEL, DC (INCLUDED IN WASHINGTON HARBOR, DC)	No Commerce Reported	
POTOMAC RIVER, WASHINGTON CHANNEL, DC (INCLUDED IN REPORT FOR WASHINGTON HARBOR, DC)	No Commerce Reported	
QUEENSTOWN HARBOR, MD	No Commerce Reported	
RHODES POINT TO TYLERTON, SOMERSET COUNTY, MD	No Commerce Reported	
ROCK HALL HARBOR, MD	No Commerce Reported	
SLAUGHTER CREEK, MD	4189 lumber 5290 misc. mineral prod. 5370 i&s pipe & tube 5480 fab. metal products 7110 machinery (not elec) 7400 manufac. wood prod.	0 1 0 0 0 0
	Total Tons(x1000)	2
	Total Ton-miles(x1000)	5
SMITH CREEK, MD	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
ST. CATHERINES SOUND, MD	No Commerce Reported	
ST. JEROME CREEK, MD	No Commerce Reported	
ST. MICHAELS HARBOR, MD	4515 marine shells 6136 shellfish	0 1
	Total Tons(x1000)	1
ST. PATRICKS CREEK, MD	4515 marine shells 6136 shellfish	0 0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
ST. PETERS CREEK, MD	No Commerce Reported	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
TILGHMAN ISLAND HARBOR, MD	6136 shellfish	1
	Total Tons(x1000)	1
TOWN CREEK, MD	No Commerce Reported	
TRED AVON RIVER, MD	4331 sand & gravel	183
	4515 marine shells	0
	6136 shellfish	0
	Total Tons(x1000)	183
	Total Ton-miles(x1000)	1,834
TWITCH COVE AND BIG THOROUGHFARE RIVER, MD	2211 gasoline	0
	2221 kerosene	0
	2330 distillate fuel oil	1
TWITCH COVE AND BIG THOROUGHFARE RIVER, MD - continued	4515 marine shells	5
	6136 shellfish	1
	Total Tons(x1000)	8
	Total Ton-miles(x1000)	19
TYASKIN CREEK, MD	No Commerce Reported	
UPPER MACHODOC CREEK, VA	No Commerce Reported	
UPPER THOROUGHFARE, DEAL ISLAND, MD	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
WARWICK RIVER, MD	No Commerce Reported	
WATERWAY FROM LITTLE CHOPTANK RIVER TO CHOPTANK RIVER, MD	6136 shellfish	0
	Total Tons(x1000)	0

NORFOLK HARBOR, VA

Section Included: From 55-foot contour in Hampton Roads to Norfolk & Western (formerly Virginia) Railway Bridge Crossing Southern Branch of Elizabeth River, 14.78 miles; thence upstream in Southern Branch, 4.61 miles. In Eastern Branch, 2.54 miles upstream from the mouth of that branch; in Western Branch, 1.78 miles upstream from the mouth of that branch; and 0.73 miles in Scotts Creek. Controlling Depth: From the 55 foot contour in Hampton Roads to Lambert Point, outbound half 50 feet, inbound half, 45 feet; Lambert Point to Norfolk & Western (formerly Virginia) Railway Bridge Crossing Southern Branch, 39.3 feet; branch channels range from 5 to 35 feet. Project Depth: from the 55 foot contour in Hampton Roads to Lambert Point, 55 feet; from Lambert Point to the Norfolk & Western (formerly Virginia) Railway Bridge Crossing Southern Branch, 45 feet; branch channels range from 12 to 40 feet. Two anchorages opposite Sewells Point, 45 feet deep over a swinging radius of 1,200 feet, the west anchorage maintained to 40 feet deep. Anchorage area on the west side of the 45-foot channel opposite Lamberts Point totalling 173 acres consisting of 1-1500 s.f. area 38 ft. deep; 1-1500 s.f. area 35 ft. deep; 1-3000 ft. by 1000 ft. area 20 ft., and a 45 acre area 12 ft. deep at Pinner's Point.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	46,872	1991	53,473	1994	45,774	1997	47,400
1989	52,055	1992	53,496	1995	47,658		
1990	53,722	1993	45,544	1996	49,261		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	35,417	5,401	29,481	533	3
Total coal	23,678	0	23,678	—	—
1100 coal lignite	23,677	0	23,677	—	—
1200 coal coke	0	—	0	—	—
Total petroleum and petroleum products	580	394	63	122	—
Subtotal crude petroleum	217	217	—	—	—
2100 crude petroleum	217	217	—	—	—
Subtotal petroleum products	362	177	63	122	—
2221 kerosene	0	—	0	—	—
2330 distillate fuel oil	95	21	0	74	—
2340 residual fuel oil	137	89	0	48	—
2350 lube oil & greases	7	1	6	—	—
2410 petro. jelly & waxes	3	1	2	—	—
2429 naphtha & solvents	1	0	1	—	—
2430 asphalt, tar & pitch	0	0	0	—	—
2540 petroleum coke	46	10	36	—	—
2640 liquid natural gas	73	55	17	—	—
Total chemicals and related products	1,832	667	1,085	79	0
Subtotal fertilizers	634	156	401	78	—
3110 nitrogenous fert.	465	79	387	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	98	20	0	78	—
3190 fert. & mixes nec	71	57	14	0	—
Subtotal other chemicals and related products	1,198	511	684	2	0
3211 acyclic hydrocarbons	0	0	0	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	10	5	5	—	—
3220 alcohols	211	78	133	—	—
3230 carboxylic acids	46	26	20	—	—
3240 nitrogen func. comp.	63	20	43	—	—
3250 organo-inorganic comp.	60	39	21	—	0
3260 organic comp. nec	44	13	30	—	—
3272 sulphuric acid	3	0	3	—	—
3273 ammonia	0	—	0	—	—
3274 sodium hydroxide	41	39	1	2	—
3275 inorg. elem., oxides, & halogen salts	84	66	18	—	—
3276 metallic salts	53	36	16	—	—
3279 inorganic chem. nec	6	5	1	—	—
3281 radioactive material	1	1	0	—	—
3282 pigments & paints	35	12	23	0	—
3283 coloring mat. nec	11	6	5	—	—
3284 medicines	13	2	12	—	0
3285 perfumes & cleansers	66	8	58	0	—
3286 plastics	306	96	209	0	0
3291 pesticides	16	3	13	—	—
3292 starches, gluten, glue	43	31	11	—	—
3293 explosives	1	1	0	—	—
3297 chemical additives	14	1	12	—	0
3298 wood & resin chem.	1	0	0	—	—
3299 chem. products nec	71	24	47	—	0
Total crude materials, inedible except fuels	2,363	847	1,189	327	0
Subtotal forest products, wood and chips	820	319	502	0	0
4110 rubber & gums	259	259	0	—	—
4150 fuel wood	2	0	2	—	—
4161 wood chips	13	—	13	—	—
4170 wood in the rough	91	5	86	—	—
4189 lumber	444	44	400	0	0
4190 forest products nec	11	10	1	—	—
Subtotal pulp and waste paper	452	3	448	—	—
4225 pulp & waste paper	452	3	448	—	—
Subtotal soil, sand, gravel, rock and stone	395	50	17	327	—
4310 building stone	1	0	1	—	—
4322 limestone	0	—	0	—	—
4323 gypsum	378	48	2	327	—
4327 phosphate rock	0	0	0	—	—
4331 sand & gravel	15	1	14	—	—
Subtotal iron ore and scrap	160	0	160	—	—
4410 iron ore	0	—	0	—	—

NORFOLK HARBOR, VA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
4420 iron & steel scrap	160	0	159	---	---
Subtotal marine shells	0	0	0	---	---
4515 marine shells	0	0	0	---	---
Subtotal non-ferrous ores and scrap	347	317	30	---	---
4630 copper ore	0	---	0	---	---
4650 aluminum ore	278	276	2	---	---
4670 manganese ore	3	0	3	---	---
4680 non-ferrous scrap	29	7	22	---	---
4690 non-ferrous ores nec	37	34	3	---	---
Subtotal sulphur, clay and salt	33	8	25	---	0
4741 sulphur, (dry)	1	1	0	---	---
4782 clay & refrac. mat.	32	7	25	---	0
Subtotal slag	0	0	0	---	---
4860 slag	0	0	0	---	---
Subtotal other non-metal. min.	156	149	7	0	---
4900 non-metal. min. nec	156	149	7	0	---
Total primary manufactured goods	2,102	1,313	786	3	0
Subtotal paper products	614	156	457	1	0
5110 newsprint	1	0	0	0	---
5120 paper & paperboard	570	144	425	1	0
5190 paper products nec	43	12	31	0	0
Subtotal lime, cement and glass	881	773	107	1	---
5210 lime	0	0	0	---	---
5220 cement & concrete	595	591	5	---	---
5240 glass & glass prod.	121	57	63	1	---
5290 misc. mineral prod.	165	125	40	0	---
Subtotal primary iron and steel products	145	71	74	0	0
5312 pig iron	3	1	3	---	---
5315 ferro alloys	17	14	3	---	---
5320 i&s primary forms	13	11	1	---	---
5330 i&s plates & sheets	68	10	59	---	0
5360 i&s bars & shapes	19	17	2	0	---
5370 i&s pipe & tube	11	6	5	---	---
5390 primary i&s nec	14	12	2	---	---
Subtotal primary non-ferrous metal products	259	159	100	0	0
5421 copper	15	9	7	0	---
5422 aluminum	60	23	37	0	---
5429 smelted prod. nec	39	33	6	---	---
5480 fab. metal products	144	94	50	0	0
Subtotal primary wood products	203	154	48	1	---
5540 primary wood prod.	203	154	48	1	---
Total food and farm products	2,602	925	1,674	1	2
Subtotal fish	29	23	5	0	1
6134 fish (not shellfish)	22	18	4	0	1
6136 shellfish	7	5	2	0	---
Subtotal grain	522	13	509	---	---
6241 wheat	360	0	360	---	---
6344 corn	41	8	33	---	---
6442 rice	7	5	1	---	---
6443 barley & rye	114	---	114	---	---
6445 oats	0	---	0	---	---
6447 sorghum grains	0	0	---	---	---
Subtotal oilseeds	61	17	44	---	---
6521 peanuts	42	10	32	---	---
6522 soybeans	14	6	8	---	---
6534 flaxseed	0	---	0	---	---
6590 oilseeds nec	6	1	5	---	---
Subtotal vegetable products	191	85	106	---	0
6653 vegetable oils	84	17	66	---	---
6654 vegetables & prod.	108	68	40	---	0
Subtotal processed grain and animal feed	415	33	382	0	0
6746 wheat flour	9	0	9	---	---
6747 grain mill products	30	12	18	---	---
6781 hay & fodder	13	0	13	---	---
6782 animal feed, prep.	363	22	341	0	0
Subtotal other agricultural products	1,383	753	628	0	1
6811 meat, fresh, frozen	153	1	152	---	---
6817 meat, prepared	18	8	9	---	0
6822 dairy products	6	2	4	---	0
6835 fish, prepared	21	20	1	0	---
6838 tallow, animal oils	31	0	30	---	---
6839 animals & prod. nec	36	18	18	0	0
6856 bananas & plantains	0	0	---	---	---
6857 fruit & nuts nec	34	27	6	0	0
6858 fruit juices	61	51	10	---	1
6861 sugar	1	0	0	---	---
6865 molasses	0	0	0	---	---
6871 coffee	35	35	1	0	---
6872 cocoa beans	100	100	0	---	---
6885 alcoholic beverages	341	234	106	0	---
6888 water & ice	40	40	0	---	---
6889 food products nec	99	56	42	0	---
6891 tobacco & products	392	151	242	---	---
6893 cotton	4	0	4	---	---
6894 natural fibers nec	1	1	0	---	---
6899 farm products nec	11	7	4	---	---
Total all manufactured equipment, machinery and products	2,230	1,236	993	1	0
7110 machinery (not elec)	818	492	325	0	0
7120 electrical machinery	195	58	136	0	0
7210 vehicles & parts	386	260	126	0	---
7220 aircraft & parts	4	1	3	---	---
7230 ships & boats	5	1	4	0	---

NORFOLK HARBOR, VA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
7300 ordnance & access.	8	2	6	—	—
7400 manufac. wood prod.	54	20	34	0	0
7500 textile products	276	108	168	0	—
7600 rubber & plastic pr.	232	143	88	0	—
7900 manufac. prod. nec	253	150	103	0	0
Total unknown or not elsewhere classified	31	18	13	0	0
9900 unknown or nec	31	18	13	0	0
Ton-miles (x1000) Foreign & Canadian	400,975	63,507	330,008	7,431	30

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	2,932	742	2,190
Total coal	2,109	—	2,109
1100 coal lignite	2,109	—	2,109
Total petroleum and petroleum products	460	410	49
Subtotal petroleum products	460	410	49
2211 gasoline	71	38	33
2330 distillate fuel oil	9	—	9
2340 residual fuel oil	358	350	8
2350 lube oil & greases	22	22	—
2430 asphalt, tar & pitch	0	0	—
Total chemicals and related products	140	112	28
Subtotal fertilizers	100	72	28
3110 nitrogenous fert.	82	72	10
3130 potassic fert.	0	0	—
3190 fert. & mixes nec	18	—	18
Subtotal other chemicals and related products	40	40	—
3212 benzene & toluene	2	2	—
3219 other hydrocarbons	22	22	—
3274 sodium hydroxide	17	17	—
3286 plastics	0	0	—
3299 chem. products nec	0	0	—
Total crude materials, inedible except fuels	17	17	—
Subtotal pulp and waste paper	0	0	—
4225 pulp & waste paper	0	0	—
Subtotal non-ferrous ores and scrap	17	17	—
4650 aluminum ore	17	17	—
Total primary manufactured goods	183	183	0
Subtotal paper products	1	1	—
5120 paper & paperboard	1	1	—
5190 paper products nec	0	0	—
Subtotal lime, cement and glass	176	176	—
5220 cement & concrete	176	176	—
5240 glass & glass prod.	0	0	—
Subtotal primary iron and steel products	1	1	—
5360 i&s bars & shapes	0	0	—
5390 primary i&s nec	0	0	—
Subtotal primary non-ferrous metal products	5	4	0
5422 aluminum	0	0	—
5480 fab. metal products	4	4	0
Total food and farm products	11	8	3
Subtotal fish	0	0	—
6134 fish (not shellfish)	0	0	—
6136 shellfish	0	0	—
Subtotal vegetable products	0	0	—
6653 vegetable oils	0	0	—
6654 vegetables & prod.	0	0	—
Subtotal processed grain and animal feed	3	0	3
6747 grain mill products	0	0	—
6782 animal feed, prep.	3	—	3
Subtotal other agricultural products	8	8	—
6817 meat, prepared	0	0	—
6839 animals & prod. nec	0	0	—
6858 fruit juices	4	4	—
6871 coffee	1	1	—
6885 alcoholic beverages	0	0	—
6889 food products nec	0	0	—
6891 tobacco & products	3	3	—
Total all manufactured equipment, machinery and products	11	11	0
7110 machinery (not elec)	0	0	0
7120 electrical machinery	1	1	—
7210 vehicles & parts	0	0	—
7220 aircraft & parts	0	0	—
7300 ordnance & access.	0	0	—
7500 textile products	1	1	—

NORFOLK HARBOR, VA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
7600 rubber & plastic pr.	0	0	—
7900 manufac. prod. nec	8	8	0
Ton-miles (x1000) Coastwise	31,473	9,637	21,836

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	7,973	5,244	30	112	2,237	111	240
Total coal	872	—	—	—	872	—	—
1100 coal lignite	872	—	—	—	872	—	—
Total petroleum and petroleum products	1,627	585	1	76	634	102	230
Subtotal crude petroleum	104	—	—	—	104	—	—
2100 crude petroleum	104	—	—	—	104	—	—
Subtotal petroleum products	1,523	585	1	76	529	102	230
2211 gasoline	350	165	1	52	89	38	6
2221 kerosene	15	14	—	—	1	—	—
2330 distillate fuel oil	318	204	—	—	87	16	12
2340 residual fuel oil	778	147	0	24	351	48	209
2350 lube oil & greases	6	—	—	—	2	1	3
2430 asphalt, tar & pitch	55	55	—	—	—	—	—
Total chemicals and related products	407	279	11	21	92	4	—
Subtotal fertilizers	402	274	11	21	92	4	—
3110 nitrogenous fert.	396	274	8	21	89	4	—
3190 fert. & mixes nec	6	—	3	—	3	—	—
Subtotal other chemicals and related products	5	5	—	—	—	—	—
3274 sodium hydroxide	5	5	—	—	—	—	—
Total crude materials, inedible except fuels	2,811	2,784	0	15	11	1	—
Subtotal forest products, wood and chips	10	0	0	—	10	—	—
4161 wood chips	10	—	—	—	10	—	—
4189 lumber	0	0	0	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	2,786	2,784	—	—	1	1	—
4331 sand & gravel	2,786	2,784	—	—	1	1	—
Subtotal iron ore and scrap	15	—	—	15	—	—	—
4420 iron & steel scrap	15	—	—	15	—	—	—
Total primary manufactured goods	173	160	4	0	9	0	—
Subtotal lime, cement and glass	149	143	4	—	1	0	—
5220 cement & concrete	143	143	—	—	—	—	—
5290 misc. mineral prod.	6	1	4	—	1	0	—
Subtotal primary non-ferrous metal products	24	16	0	0	7	0	—
5480 fab. metal products	24	16	0	0	7	0	—
Total food and farm products	309	278	14	—	6	2	9
Subtotal fish	0	—	—	—	0	—	—
6136 shellfish	0	—	—	—	0	—	—
Subtotal grain	222	210	6	—	6	—	—
6241 wheat	137	128	6	—	3	—	—
6344 corn	3	—	—	—	3	—	—
6443 barley & rye	83	83	—	—	—	—	—
Subtotal oilseeds	64	54	8	—	—	2	—
6522 soybeans	64	54	8	—	—	2	—
Subtotal vegetable products	11	2	—	—	—	—	9
6653 vegetable oils	11	2	—	—	—	—	9
Subtotal other agricultural products	11	11	—	—	—	—	—
6838 tallow, animal oils	11	11	—	—	—	—	—
6888 water & ice	0	0	—	—	—	—	—
Total all manufactured equipment, machinery and products	1,772	1,158	0	0	614	0	—
7110 machinery (not elec)	2	1	—	0	2	—	—
7400 manufac. wood prod.	0	0	0	—	—	—	—
7900 manufac. prod. nec	1,769	1,157	—	—	612	0	—

NORFOLK HARBOR, VA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total waste and scrap nec	2	1	---	---	---	1	0
8900 waste and scrap nec	2	1	---	---	---	1	0
Ton-miles (x1000)	89,871	64,909	134	841	22,172	905	910
Internal							
Tons All Traffic (x1000)	47,400						
Ton-miles All Traffic (x1000)	541,315						

*Does not include 1,078 (x1000) tons of through traffic

*Includes 47 (x1000) tons of foreign inbound in-transits; Includes 81 (x1000) tons of foreign outbound in-transits;
Includes 2 (x1000) tons of Canadian inbound in-transits; Includes 1 (x1000) tons of Canadian outbound in-transits.

HAMPTON ROADS, VA

Section Included: Norfolk Harbor, Port of Newport News (including Newport News Creek), Hampton Creek, and channel from Phoebus to Deepwater in Hampton Roads, VA.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	71,967	1991	86,315	1994	62,746	1997	68,500
1989	77,106	1992	79,064	1995	72,508		
1990	79,638	1993	65,711	1996	75,552		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	50,063	6,749	42,748	563	3
Total coal	36,572	0	36,572	---	---
1100 coal lignite	36,572	0	36,572	---	---
1200 coal coke	0	---	0	---	---
Total petroleum and petroleum products	1,280	1,048	84	148	---
Subtotal crude petroleum	738	738	---	---	---
2100 crude petroleum	738	738	---	---	---
Subtotal petroleum products	542	310	84	148	---
2221 kerosene	0	---	0	---	---
2330 distillate fuel oil	123	49	0	74	---
2340 residual fuel oil	163	89	1	74	---
2350 lube oil & greases	7	1	7	---	---
2410 petro. jelly & waxes	4	1	2	---	---
2429 naphtha & solvents	1	0	1	---	---
2430 asphalt, tar & pitch	0	0	0	---	---
2540 petroleum coke	170	114	56	---	---
2640 liquid natural gas	73	55	17	---	---
Total chemicals and related products	1,936	701	1,156	79	0
Subtotal fertilizers	635	156	402	78	---
3110 nitrogenous fert.	465	79	387	---	---
3120 phosphatic fert.	0	---	0	---	---
3130 potassic fert.	98	20	0	78	---
3190 fert. & mixes nec	72	57	15	0	---
Subtotal other chemicals and related products	1,301	546	754	2	0
3211 acyclic hydrocarbons	0	0	0	---	---
3212 benzene & toluene	0	0	0	---	---
3219 other hydrocarbons	12	6	6	---	---
3220 alcohols	220	78	142	---	---
3230 carboxylic acids	48	26	21	---	---
3240 nitrogen func. comp.	71	20	51	---	---
3250 organo-inorganic comp.	70	47	23	---	0
3260 organic comp. nec	49	13	35	---	---
3272 sulphuric acid	3	0	3	---	---
3273 ammonia	0	---	0	---	---
3274 sodium hydroxide	41	39	1	2	---
3275 inorg. elem., oxides, & halogen salts	102	83	19	---	---
3276 metallic salts	55	37	18	---	---
3279 inorganic chem. nec	6	5	1	---	---
3281 radioactive material	1	1	0	---	---
3282 pigments & paints	39	16	24	0	---
3283 coloring mat. nec	11	6	5	---	---
3284 medicines	14	2	13	---	0
3285 perfumes & cleansers	73	8	64	0	0
3286 plastics	331	98	233	0	0
3291 pesticides	17	3	14	---	---
3292 starches, gluten, glue	48	31	17	---	---
3293 explosives	1	1	0	---	---
3297 chemical additives	15	1	13	---	0
3298 wood & resin chem.	1	0	1	---	---
3299 chem. products nec	74	24	50	---	0

HAMPTON ROADS, VA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total crude materials, inedible except fuels	2,465	923	1,215	327	0
Subtotal forest products, wood and chips	839	328	511	0	0
4110 rubber & gums	263	263	0	—	—
4150 fuel wood	2	0	2	—	—
4161 wood chips	13	—	13	—	—
4170 wood in the rough	93	5	88	—	—
4189 lumber	456	49	407	0	0
4190 forest products nec	12	11	1	—	—
Subtotal pulp and waste paper	465	4	461	—	—
4225 pulp & waste paper	465	4	461	—	—
Subtotal soil, sand, gravel, rock and stone	396	51	18	327	—
4310 building stone	2	1	1	—	—
4322 limestone	0	—	0	—	—
4323 gypsum	378	48	2	327	—
4327 phosphate rock	0	0	0	—	—
4331 sand & gravel	16	2	14	—	—
Subtotal iron ore and scrap	160	0	160	—	—
4410 iron ore	0	—	0	—	—
4420 iron & steel scrap	160	0	159	—	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	348	318	30	—	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	279	277	2	—	—
4670 manganese ore	3	0	3	—	—
4680 non-ferrous scrap	30	7	22	—	—
4690 non-ferrous ores nec	37	34	3	—	—
Subtotal sulphur, clay and salt	36	9	27	—	0
4741 sulphur, (dry)	1	1	0	—	—
4782 clay & refrac. mat.	35	8	27	—	0
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	220	213	7	0	—
4900 non-metal. min. nec	220	213	7	0	—
Total primary manufactured goods	2,543	1,688	847	7	0
Subtotal paper products	673	166	502	5	0
5110 newsprint	4	0	0	4	—
5120 paper & paperboard	609	154	453	1	0
5190 paper products nec	60	12	48	0	0
Subtotal lime, cement and glass	1,179	1,066	111	1	—
5210 lime	0	0	0	—	—
5220 cement & concrete	877	872	5	—	—
5240 glass & glass prod.	124	58	65	1	—
5290 misc. mineral prod.	178	135	42	0	—
Subtotal primary iron and steel products	210	135	75	0	0
5312 pig iron	3	1	3	—	—
5315 ferro alloys	18	15	3	—	—
5320 i&s primary forms	24	23	1	—	—
5330 i&s plates & sheets	119	59	60	—	0
5360 i&s bars & shapes	21	18	2	0	—
5370 i&s pipe & tube	11	6	5	—	—
5390 primary i&s nec	14	13	2	—	—
Subtotal primary non-ferrous metal products	273	164	109	0	0
5421 copper	16	9	7	0	—
5422 aluminum	66	25	41	0	—
5429 smelted prod. nec	40	34	6	—	—
5480 fab. metal products	150	96	54	0	0
Subtotal primary wood products	208	157	50	1	—
5540 primary wood prod.	208	157	50	1	—
Total food and farm products	2,819	1,040	1,777	1	2
Subtotal fish	31	25	6	0	1
6134 fish (not shellfish)	24	19	4	0	1
6136 shellfish	7	5	2	0	—
Subtotal grain	524	13	511	—	—
6241 wheat	360	0	360	—	—
6344 corn	43	8	35	—	—
6442 rice	7	5	2	—	—
6443 barley & rye	114	—	114	—	—
6445 oats	0	—	0	—	—
6447 sorghum grains	0	0	0	—	—
Subtotal oilseeds	65	19	46	—	—
6521 peanuts	44	11	33	—	—
6522 soybeans	14	6	8	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	7	2	5	—	—
Subtotal vegetable products	198	89	110	—	0
6653 vegetable oils	85	18	66	—	—
6654 vegetables & prod.	114	70	43	—	0
Subtotal processed grain and animal feed	428	34	394	0	0
6746 wheat flour	9	0	9	—	—
6747 grain mill products	31	12	19	—	—
6781 hay & fodder	14	0	14	—	—
6782 animal feed, prep.	374	22	352	0	0
Subtotal other agricultural products	1,572	861	710	0	1
6811 meat, fresh, frozen	159	1	159	—	—
6817 meat, prepared	21	10	12	—	0
6822 dairy products	6	2	4	—	0
6835 fish, prepared	21	20	1	0	—
6838 tallow, animal oils	31	0	30	—	—
6839 animals & prod. nec	46	24	22	0	0
6856 bananas & plantains	0	0	—	—	—
6857 fruit & nuts nec	35	28	7	0	0
6858 fruit juices	61	51	10	—	1

HAMPTON ROADS, VA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
6861 sugar	1	0	0	—	—
6865 molasses	0	0	0	—	—
6871 coffee	44	43	1	0	—
6872 cocoa beans	107	107	1	—	—
6885 alcoholic beverages	381	238	143	0	—
6888 water & ice	42	42	0	—	—
6889 food products nec	109	63	45	0	—
6891 tobacco & products	490	221	270	—	—
6893 cotton	5	0	4	—	—
6894 natural fibers nec	1	1	0	—	—
6899 farm products nec	11	7	4	—	—
Total all manufactured equipment, machinery and products	2,415	1,330	1,083	1	0
7110 machinery (not elec)	901	534	367	0	0
7120 electrical machinery	211	60	151	0	0
7210 vehicles & parts	441	294	148	0	—
7220 aircraft & parts	4	1	3	—	—
7230 ships & boats	5	1	4	0	—
7300 ordnance & access.	8	2	6	—	—
7400 manufac. wood prod.	56	21	35	0	0
7500 textile products	285	114	171	0	—
7600 rubber & plastic pr.	238	147	91	0	0
7900 manufac. prod. nec	265	156	109	0	0
Total unknown or not elsewhere classified	32	19	13	0	0
9900 unknown or nec	32	19	13	0	0

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	5,211	846	4,365
Total coal	4,282	—	4,282
1100 coal lignite	4,282	—	4,282
Total petroleum and petroleum products	559	510	49
Subtotal petroleum products	559	510	49
2211 gasoline	71	38	33
2330 distillate fuel oil	9	—	9
2340 residual fuel oil	454	446	8
2350 lube oil & greases	22	22	—
2430 asphalt, tar & pitch	4	4	—
Total chemicals and related products	140	112	28
Subtotal fertilizers	100	72	28
3110 nitrogenous fert.	82	72	10
3130 potassic fert.	0	0	—
3190 fert. & mixes nec	18	—	18
Subtotal other chemicals and related products	40	40	—
3212 benzene & toluene	2	2	—
3219 other hydrocarbons	22	22	—
3274 sodium hydroxide	17	17	—
3286 plastics	0	0	—
3299 chem. products nec	0	0	—
Total crude materials, inedible except fuels	17	17	—
Subtotal pulp and waste paper	0	0	—
4225 pulp & waste paper	0	0	—
Subtotal non-ferrous ores and scrap	17	17	—
4650 aluminum ore	17	17	—
Total primary manufactured goods	189	188	2
Subtotal paper products	1	1	—
5120 paper & paperboard	1	1	—
5190 paper products nec	0	0	—
Subtotal lime, cement and glass	177	176	1
5220 cement & concrete	176	176	—
5240 glass & glass prod.	0	0	—
5290 misc. mineral prod.	1	—	1
Subtotal primary iron and steel products	1	1	—
5360 i&s bars & shapes	0	0	—
5390 primary i&s nec	0	0	—
Subtotal primary non-ferrous metal products	10	10	0
5422 aluminum	0	0	—
5480 fab. metal products	9	9	0
Total food and farm products	11	8	3
Subtotal fish	0	0	—
6134 fish (not shellfish)	0	0	—
6136 shellfish	0	0	—
Subtotal vegetable products	0	0	—
6653 vegetable oils	0	0	—
6654 vegetables & prod.	0	0	—
Subtotal processed grain and animal feed	3	0	3
6747 grain mill products	0	0	—
6782 animal feed, prep.	3	—	3
Subtotal other agricultural products	8	8	—
6817 meat, prepared	0	0	—

HAMPTON ROADS, VA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
6839 animals & prod. nec	0	0	—
6858 fruit juices	4	4	—
6871 coffee	1	1	—
6885 alcoholic beverages	0	0	—
6889 food products nec	0	0	—
6891 tobacco & products	3	3	—
Total all manufactured equipment, machinery and products	12	11	1
7110 machinery (not elec)	1	0	1
7120 electrical machinery	1	1	—
7210 vehicles & parts	0	0	—
7220 aircraft & parts	0	0	—
7300 ordnance & access.	0	0	—
7500 textile products	1	1	—
7600 rubber & plastic pr.	0	0	—
7900 manufac. prod. nec	8	8	0

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	12,154	5,773	30	106	5,778	227	240
Total coal	4,410	0	—	—	4,410	—	—
1100 coal lignite	4,410	0	—	—	4,410	—	—
Total petroleum and petroleum products	1,872	726	1	69	633	213	230
Subtotal crude petroleum	104	—	—	—	104	—	—
2100 crude petroleum	104	—	—	—	104	—	—
Subtotal petroleum products	1,768	726	1	69	529	213	230
2211 gasoline	350	165	1	52	89	38	6
2221 kerosene	15	14	—	—	1	—	—
2330 distillate fuel oil	407	276	—	—	91	28	12
2340 residual fuel oil	922	204	0	17	347	145	209
2350 lube oil & greases	6	—	—	—	0	2	3
2430 asphalt, tar & pitch	67	67	—	—	—	—	—
Total chemicals and related products	407	279	11	21	92	4	—
Subtotal fertilizers	402	274	11	21	92	4	—
3110 nitrogenous fert.	396	274	8	21	89	4	—
3190 fert. & mixes nec	6	—	3	—	3	—	—
Subtotal other chemicals and related products	5	5	—	—	—	—	—
3274 sodium hydroxide	5	5	—	—	—	—	—
Total crude materials, inedible except fuels	3,202	3,171	0	15	11	5	—
Subtotal forest products, wood and chips	10	0	0	—	10	—	—
4161 wood chips	10	—	—	—	10	—	—
4189 lumber	0	0	0	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	3,177	3,171	—	—	1	5	—
4331 sand & gravel	3,177	3,171	—	—	1	5	—
Subtotal iron ore and scrap	15	—	—	15	—	—	—
4420 iron & steel scrap	15	—	—	15	—	—	—
Total primary manufactured goods	174	160	4	0	9	0	—
Subtotal lime, cement and glass	150	144	4	—	1	0	—
5220 cement & concrete	143	143	—	—	—	—	—
5290 misc. mineral prod.	7	1	4	—	1	0	—
Subtotal primary non-ferrous metal products	24	16	0	0	7	0	—
5480 fab. metal products	24	16	0	0	7	0	—
Total food and farm products	310	279	14	—	6	2	9
Subtotal fish	1	1	—	—	—	0	—
6136 shellfish	1	1	—	—	—	0	—
Subtotal grain	222	210	6	—	6	—	—
6241 wheat	137	128	6	—	3	—	—
6344 corn	3	—	—	—	3	—	—
6443 barley & rye	83	83	—	—	—	—	—
Subtotal oilseeds	64	54	8	—	—	2	—
6522 soybeans	64	54	8	—	—	2	—
Subtotal vegetable products	11	2	—	—	—	—	9
6653 vegetable oils	11	2	—	—	—	—	9
Subtotal other agricultural products	11	11	—	—	—	0	—
6838 tallow, animal oils	11	11	—	—	—	—	—
6888 water & ice	0	—	—	—	—	0	—
Total all manufactured equipment, machinery and products	1,776	1,158	0	0	618	0	—
7110 machinery (not elec)	3	0	—	0	2	0	—
7400 manufac. wood prod.	0	0	0	—	—	—	—
7900 manufac. prod. nec	1,774	1,157	—	—	616	0	—

HAMPTON ROADS, VA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total waste and scrap nec	2	0	---	---	---	2	0
8900 waste and scrap nec	2	0	---	---	---	2	0

*Does not include 1,073 (x1000) tons of through traffic

*Includes 49 (x1000) tons of foreign inbound in-transits; Includes 88 (x1000) tons of foreign outbound in-transits;
Includes 2 (x1000) tons of Canadian inbound in-transits; Includes 1 (x1000) tons of Canadian outbound in-transits.

CHANNEL TO NEWPORT NEWS, VA

Section Included: Between the 55-foot depth contours on each side of middle ground shoal in Hampton Roads, VA, 6 miles. Controlling Depth: Outbound half of channel, 50.2 feet at mean low water; inbound half of channel, 50.1 feet at mean low water. Project Length: 6 miles, maintained to 50 feet deep, also includes two deep draft anchorage berths opposite Newport News 45 deep over a 1,200 foot swing radius, maintained to 40 feet deep.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	27,547	1991	35,168	1994	20,250	1997	26,538
1989	27,575	1992	29,635	1995	28,601		
1990	30,611	1993	21,938	1996	30,948		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	15,684	1,565	14,008	101	9
Total coal	12,895	---	12,895	---	---
1100 coal lignite	12,895	---	12,895	---	---
Total petroleum and petroleum products	712	665	21	26	---
Subtotal crude petroleum	521	521	---	---	---
2100 crude petroleum	521	521	---	---	---
Subtotal petroleum products	191	144	21	26	---
2330 distillate fuel oil	28	28	---	---	---
2340 residual fuel oil	26	0	0	26	---
2350 lube oil & greases	0	0	0	---	---
2410 petro. jelly & waxes	1	1	0	---	---
2429 naphtha & solvents	0	---	0	---	---
2430 asphalt, tar & pitch	0	0	0	---	---
2540 petroleum coke	124	104	20	---	---
2640 liquid natural gas	11	11	0	---	---
Total chemicals and related products	740	138	602	---	0
Subtotal fertilizers	485	22	464	---	---
3110 nitrogenous fert.	463	---	463	---	---
3190 fert. & mixes nec	22	22	1	---	---
Subtotal other chemicals and related products	255	116	138	---	0
3211 acyclic hydrocarbons	0	0	0	---	---
3219 other hydrocarbons	2	1	1	---	---
3220 alcohols	19	9	10	---	---
3230 carboxylic acids	9	4	5	---	---
3240 nitrogen func. comp.	14	1	13	---	---
3250 organo-inorganic comp.	20	14	5	---	---
3260 organic comp. nec	9	0	9	---	---
3272 sulphuric acid	0	---	0	---	---
3273 ammonia	0	---	0	---	---
3275 inorg. elem., oxides, & halogen salts	19	18	2	---	---
3276 metallic salts	44	42	1	---	---
3279 inorganic chem. nec	0	0	0	---	---
3282 pigments & paints	5	4	1	---	---
3283 coloring mat. nec	1	1	0	---	---
3284 medicines	4	1	3	---	---
3285 perfumes & cleansers	17	2	16	---	0
3286 plastics	65	16	50	---	---
3291 pesticides	1	0	1	---	---
3292 starches, gluten, glue	6	1	6	---	---
3293 explosives	0	0	0	---	---
3297 chemical additives	2	0	1	---	---
3298 wood & resin chem.	0	---	0	---	---
3299 chem. products nec	15	2	14	---	---
Total crude materials, inedible except fuels	163	105	51	---	7
Subtotal forest products, wood and chips	21	9	11	---	---
4110 rubber & gums	4	4	0	---	---
4150 fuel wood	1	---	1	---	---
4161 wood chips	0	---	0	---	---
4170 wood in the rough	3	0	3	---	---
4189 lumber	13	5	8	---	---
4190 forest products nec	1	1	0	---	---
Subtotal pulp and waste paper	22	1	13	---	7
4225 pulp & waste paper	22	1	13	---	7
Subtotal soil, sand, gravel, rock and stone	13	1	12	---	---
4310 building stone	0	0	0	---	---

CHANNEL TO NEWPORT NEWS, VA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
4323 gypsum	0	—	0	—	—
4331 sand & gravel	12	0	12	—	—
Subtotal iron ore and scrap	0	—	0	—	—
4420 iron & steel scrap	0	—	0	—	—
Subtotal non-ferrous ores and scrap	1	1	0	—	—
4650 aluminum ore	0	0	0	—	—
4680 non-ferrous scrap	1	1	0	—	—
4690 non-ferrous ores nec	0	—	0	—	—
Subtotal sulphur, clay and salt	14	1	13	—	—
4741 sulphur, (dry)	0	0	—	—	—
4782 clay & refrac. mat.	14	1	13	—	—
Subtotal other non-metal. min.	92	92	0	—	—
4900 non-metal. min. nec	92	92	0	—	—
Total primary manufactured goods	565	398	91	75	2
Subtotal paper products	154	23	55	75	2
5110 newsprint	75	—	0	75	0
5120 paper & paperboard	61	22	36	0	2
5190 paper products nec	19	0	18	—	—
Subtotal lime, cement and glass	312	297	15	0	—
5220 cement & concrete	282	282	0	—	—
5240 glass & glass prod.	6	3	3	0	—
5290 misc. mineral prod.	24	12	12	—	—
Subtotal primary iron and steel products	70	66	3	0	—
5312 pig iron	0	0	—	—	—
5315 ferro alloys	1	0	0	—	—
5320 i&s primary forms	13	11	1	—	—
5330 i&s plates & sheets	53	52	1	—	—
5360 i&s bars & shapes	2	2	0	0	—
5370 i&s pipe & tube	0	0	0	—	—
5390 primary i&s nec	1	1	0	—	—
Subtotal primary non-ferrous metal products	26	10	16	—	—
5421 copper	1	1	0	—	—
5422 aluminum	7	3	4	—	—
5429 smelted prod. nec	8	1	7	—	—
5480 fab. metal products	10	5	4	—	—
Subtotal primary wood products	4	2	2	—	—
5540 primary wood prod.	4	2	2	—	—
Total food and farm products	374	145	229	—	—
Subtotal fish	2	2	1	—	—
6134 fish (not shellfish)	2	1	0	—	—
6136 shellfish	1	1	0	—	—
Subtotal grain	2	0	2	—	—
6344 corn	2	—	2	—	—
6442 rice	0	0	0	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	4	2	2	—	—
6521 peanuts	3	2	1	—	—
6590 oilseeds nec	1	0	1	—	—
Subtotal vegetable products	9	5	4	—	—
6653 vegetable oils	1	1	0	—	—
6654 vegetables & prod.	8	4	4	—	—
Subtotal processed grain and animal feed	15	1	14	—	—
6746 wheat flour	0	—	0	—	—
6747 grain mill products	1	1	1	—	—
6781 hay & fodder	1	—	1	—	—
6782 animal feed, prep.	12	0	12	—	—
Subtotal other agricultural products	342	135	207	—	—
6811 meat, fresh, frozen	11	0	11	—	—
6817 meat, prepared	4	1	2	—	—
6822 dairy products	0	0	0	—	—
6835 fish, prepared	0	—	0	—	—
6838 tallow, animal oils	0	0	0	—	—
6839 animals & prod. nec	10	6	4	—	—
6857 fruit & nuts nec	1	1	0	—	—
6858 fruit juices	1	1	0	—	—
6861 sugar	0	—	0	—	—
6871 coffee	8	8	0	—	—
6872 cocoa beans	7	7	0	—	—
6885 alcoholic beverages	59	22	38	—	—
6888 water & ice	4	4	0	—	—
6889 food products nec	12	7	5	—	—
6891 tobacco & products	223	78	146	—	—
6893 cotton	1	—	1	—	—
6899 farm products nec	0	0	0	—	—
Total all manufactured equipment, machinery and products	233	114	119	0	0
7110 machinery (not elec)	89	46	43	0	0
7120 electrical machinery	18	2	16	0	0
7210 vehicles & parts	65	39	26	—	—
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	0	—	0	—	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	2	1	1	—	—
7500 textile products	30	11	19	0	—
7600 rubber & plastic pr.	13	7	6	—	0
7900 manufac. prod. nec	15	7	7	0	—
Total unknown or not elsewhere classified	3	2	1	0	—
9900 unknown or nec	3	2	1	0	—
Ton-miles (x1000) Foreign & Canadian	49,126	5,128	43,508	445	45

CHANNEL TO NEWPORT NEWS, VA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	10,854	192	2,198	944	7,520
Total coal	5,711	—	2,173	0	3,538
1100 coal lignite	5,711	—	2,173	0	3,538
Total petroleum and petroleum products	1,096	183	8	638	268
Subtotal petroleum products	1,096	183	8	638	268
2211 gasoline	155	—	—	118	38
2330 distillate fuel oil	269	—	—	88	180
2340 residual fuel oil	398	95	—	254	48
2350 lube oil & greases	9	—	8	1	—
2430 asphalt, tar & pitch	265	87	—	176	2
Total chemicals and related products	598	4	18	278	297
Subtotal fertilizers	315	—	18	—	297
3110 nitrogenous fert.	313	—	15	—	297
3120 phosphatic fert.	2	—	2	—	—
Subtotal other chemicals and related products	283	4	—	278	—
3220 alcohols	274	—	—	274	—
3272 sulphuric acid	5	—	—	5	—
3274 sodium hydroxide	4	4	—	—	—
Total crude materials, inedible except fuels	3,435	—	—	19	3,416
Subtotal soil, sand, gravel, rock and stone	3,416	—	—	—	3,416
4331 sand & gravel	3,416	—	—	—	3,416
Subtotal iron ore and scrap	8	—	—	8	—
4420 iron & steel scrap	8	—	—	8	—
Subtotal non-ferrous ores and scrap	11	—	—	11	—
4680 non-ferrous scrap	11	—	—	11	—
Total primary manufactured goods	6	5	0	0	0
Subtotal lime, cement and glass	0	—	—	0	—
5290 misc. mineral prod.	0	—	—	0	—
Subtotal primary non-ferrous metal products	5	5	0	0	0
5480 fab. metal products	5	5	0	0	0
Total food and farm products	2	—	—	1	0
Subtotal fish	1	—	—	1	0
6136 shellfish	1	—	—	1	0
Subtotal other agricultural products	0	—	—	—	0
6888 water & ice	0	—	—	—	0
Total all manufactured equipment, machinery and products	7	—	—	7	0
7110 machinery (not elec)	0	—	—	—	0
7900 manufac. prod. nec	7	—	—	7	—
Total waste and scrap nec	0	—	—	—	0
8900 waste and scrap nec	0	—	—	—	0
Ton-miles (x1000)	41,803	752	6,646	4,064	30,341
Domestic					
Tons All Traffic (x1000)		26,538			
Ton-miles All Traffic (x1000)		90,929			

PORT OF NEWPORT NEWS, VA (INCLUDING NEWPORT NEWS CREEK, VA)

Section Included: Lower east shore of James River from mouth to 1.8 miles, and portion of north shore of Hampton Roads covering approximately 15,000 linear feet of waterfront at Newport News; and Newport News Creek.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	21,391	1991	29,168	1994	15,671	1997	20,755
1989	21,852	1992	24,450	1995	23,365		
1990	24,935	1993	16,735	1996	24,787		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Total, all commodities	20,755	1,348	13,267	30	6,109	57	2,173	228	3,651
Total coal	18,605	—	12,895	—	5,711	—	2,173	0	3,538
1100 coal lignite	18,605	—	12,895	—	5,711	—	2,173	0	3,538

PORT OF NEWPORT NEWS, VA (INCLUDING NEWPORT NEWS CREEK, VA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Total petroleum and petroleum products	1,082	653	21	26	382	52	---	226	103
Subtotal crude petroleum	521	521	---	---	---	---	---	---	---
2100 crude petroleum	521	521	---	---	---	---	---	---	---
Subtotal petroleum products	561	133	21	26	382	52	---	226	103
2330 distillate fuel oil	129	28	---	---	101	---	---	85	16
2340 residual fuel oil	289	0	0	26	263	48	---	128	87
2350 lube oil & greases	2	0	0	---	1	---	---	1	---
2410 petro. jelly & waxes	0	0	0	---	---	---	---	---	---
2429 naphtha & solvents	0	---	0	---	---	---	---	---	---
2430 asphalt, tar & pitch	16	---	0	---	16	4	---	12	---
2540 petroleum coke	124	104	20	---	---	---	---	---	---
2640 liquid natural gas	0	---	0	---	---	---	---	---	---
Total chemicals and related products	104	34	70	---	---	---	---	---	---
Subtotal fertilizers	1	0	1	---	---	---	---	---	---
3110 nitrogenous fert.	0	---	0	---	---	---	---	---	---
3190 fert. & mixes nec	1	0	1	---	---	---	---	---	---
Subtotal other chemicals and related products	104	34	69	---	---	---	---	---	---
3211 acyclic hydrocarbons	0	---	0	---	---	---	---	---	---
3219 other hydrocarbons	2	1	1	---	---	---	---	---	---
3220 alcohols	9	0	9	---	---	---	---	---	---
3230 carboxylic acids	2	0	1	---	---	---	---	---	---
3240 nitrogen func. comp.	8	0	8	---	---	---	---	---	---
3250 organo-inorganic comp.	10	8	2	---	---	---	---	---	---
3260 organic comp. nec	5	0	5	---	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	18	17	1	---	---	---	---	---	---
3276 metallic salts	2	1	1	---	---	---	---	---	---
3279 inorganic chem. nec	0	0	---	---	---	---	---	---	---
3282 pigments & paints	4	4	1	---	---	---	---	---	---
3283 coloring mat. nec	0	0	0	---	---	---	---	---	---
3284 medicines	1	0	1	---	---	---	---	---	---
3285 perfumes & cleansers	6	0	6	---	---	---	---	---	---
3286 plastics	26	2	24	---	---	---	---	---	---
3291 pesticides	1	0	1	---	---	---	---	---	---
3292 starches, gluten, glue	6	0	6	---	---	---	---	---	---
3293 explosives	0	0	0	---	---	---	---	---	---
3297 chemical additives	1	---	1	---	---	---	---	---	---
3298 wood & resin chem.	0	---	0	---	---	---	---	---	---
3299 chem. products nec	3	0	3	---	---	---	---	---	---
Total crude materials, inedible except fuels	107	76	26	---	4	---	---	---	4
Subtotal forest products, wood and chips	19	9	10	---	---	---	---	---	---
4110 rubber & gums	4	4	0	---	---	---	---	---	---
4150 fuel wood	0	---	0	---	---	---	---	---	---
4161 wood chips	0	---	0	---	---	---	---	---	---
4170 wood in the rough	2	0	2	---	---	---	---	---	---
4189 lumber	13	5	8	---	---	---	---	---	---
4190 forest products nec	1	1	0	---	---	---	---	---	---
Subtotal pulp and waste paper	14	1	13	---	---	---	---	---	---
4225 pulp & waste paper	14	1	13	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	5	1	0	---	4	---	---	---	4
4310 building stone	0	0	0	---	---	---	---	---	---
4323 gypsum	0	---	0	---	---	---	---	---	---
4331 sand & gravel	5	0	0	---	4	---	---	---	4

PORT OF NEWPORT NEWS, VA (INCLUDING NEWPORT NEWS CREEK, VA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Subtotal iron ore and scrap	0	---	0	---	---	---	---	---	---
4420 iron & steel scrap	0	---	0	---	---	---	---	---	---
Subtotal non-ferrous ores and scrap	1	1	0	---	---	---	---	---	---
4650 aluminum ore	0	0	0	---	---	---	---	---	---
4680 non-ferrous scrap	1	1	0	---	---	---	---	---	---
Subtotal sulphur, clay and salt	3	1	3	---	---	---	---	---	---
4782 clay & refrac. mat.	3	1	3	---	---	---	---	---	---
Subtotal other non-metal. min. nec	64	64	0	---	---	---	---	---	---
4900 non-metal. min. nec	64	64	0	---	---	---	---	---	---
Total primary manufactured goods	447	375	61	4	6	5	0	0	0
Subtotal paper products	60	11	45	4	---	---	---	---	---
5110 newsprint	4	---	0	4	---	---	---	---	---
5120 paper & paperboard	39	10	28	0	---	---	---	---	---
5190 paper products nec	17	0	17	---	---	---	---	---	---
Subtotal lime, cement and glass	298	293	4	0	0	---	---	0	---
5220 cement & concrete	282	282	0	---	---	---	---	---	---
5240 glass & glass prod.	4	2	2	0	---	---	---	---	---
5290 misc. mineral prod.	13	10	2	---	0	---	---	0	---
Subtotal primary iron and steel products	65	63	2	---	---	---	---	---	---
5312 pig iron	0	0	---	---	---	---	---	---	---
5315 ferro alloys	1	0	0	---	---	---	---	---	---
5320 i&s primary forms	11	11	---	---	---	---	---	---	---
5330 i&s plates & sheets	51	50	1	---	---	---	---	---	---
5360 i&s bars & shapes	1	1	0	---	---	---	---	---	---
5370 i&s pipe & tube	0	0	0	---	---	---	---	---	---
5390 primary i&s nec	0	0	0	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	20	6	8	---	5	5	0	0	0
5421 copper	1	0	0	---	---	---	---	---	---
5422 aluminum	6	2	4	---	---	---	---	---	---
5429 smelted prod. nec	1	1	0	---	---	---	---	---	---
5480 fab. metal products	12	2	4	---	5	5	0	0	0
Subtotal primary wood products	4	2	2	---	---	---	---	---	---
5540 primary wood prod.	4	2	2	---	---	---	---	---	---
Total food and farm products	219	115	102	---	2	---	---	1	0
Subtotal fish	3	2	0	---	1	---	---	1	---
6134 fish (not shellfish)	1	1	0	---	---	---	---	---	---
6136 shellfish	2	1	0	---	1	---	---	1	---
Subtotal grain	2	0	2	---	---	---	---	---	---
6344 corn	2	---	2	---	---	---	---	---	---
6442 rice	0	0	0	---	---	---	---	---	---
6447 sorghum grains	0	---	0	---	---	---	---	---	---
Subtotal oilseeds	4	2	2	---	---	---	---	---	---
6521 peanuts	3	2	1	---	---	---	---	---	---
6590 oilseeds nec	1	0	1	---	---	---	---	---	---
Subtotal vegetable products	7	3	4	---	---	---	---	---	---
6653 vegetable oils	1	1	0	---	---	---	---	---	---
6654 vegetables & prod.	6	2	4	---	---	---	---	---	---
Subtotal processed grain and animal feed	13	1	12	---	---	---	---	---	---
6746 wheat flour	0	---	0	---	---	---	---	---	---
6747 grain mill products	1	1	1	---	---	---	---	---	---
6781 hay & fodder	1	---	1	---	---	---	---	---	---
6782 animal feed, prep.	11	0	11	---	---	---	---	---	---

PORT OF NEWPORT NEWS, VA (INCLUDING NEWPORT NEWS CREEK, VA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Subtotal other agricultural products	190	107	82	---	0	---	---	---	0
6811 meat, fresh, frozen	7	0	7	---	---	---	---	---	---
6817 meat, prepared	4	1	2	---	---	---	---	---	---
6822 dairy products	0	0	0	---	---	---	---	---	---
6835 fish, prepared	0	0	0	---	---	---	---	---	---
6838 tallow, animal oils	0	0	0	---	---	---	---	---	---
6839 animals & prod. nec	10	6	4	---	---	---	---	---	---
6857 fruit & nuts nec	1	1	0	---	---	---	---	---	---
6858 fruit juices	1	1	0	---	---	---	---	---	---
6861 sugar	0	---	0	---	---	---	---	---	---
6871 coffee	8	8	0	---	---	---	---	---	---
6872 cocoa beans	7	7	0	---	---	---	---	---	---
6885 alcoholic beverages	41	4	37	---	---	---	---	---	---
6888 water & ice	3	2	0	---	0	---	---	---	0
6889 food products nec	10	7	3	---	---	---	---	---	---
6891 tobacco & products	98	70	28	---	---	---	---	---	---
6893 cotton	1	---	1	---	---	---	---	---	---
6899 farm products nec	0	0	0	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	189	93	91	0	5	---	---	---	5
7110 machinery (not elec)	84	42	42	---	0	---	---	---	0
7120 electrical machinery	16	1	15	---	---	---	---	---	---
7210 vehicles & parts	55	33	22	---	---	---	---	---	---
7220 aircraft & parts	0	0	0	---	---	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---	---	---
7300 ordnance & access.	0	0	0	---	---	---	---	---	---
7400 manufac. wood prod.	2	1	1	---	---	---	---	---	---
7500 textile products	9	6	3	0	---	---	---	---	---
7600 rubber & plastic pr.	6	3	3	---	---	---	---	---	---
7900 manufac. prod. nec	16	6	6	0	4	---	---	---	4
Total waste and scrap nec	0	---	---	---	0	---	---	---	0
8900 waste and scrap nec	0	---	---	---	0	---	---	---	0
Total unknown or not elsewhere classified	1	1	0	0	---	---	---	---	---
9900 unknown or nec	1	1	0	0	---	---	---	---	---

*Includes 2 (x1000) tons of foreign inbound in-transits; Includes 7 (x1000) tons of foreign outbound in-transits.

PORT OF RICHMOND, VA (INCLUDED IN JAMES RIVER, VA CONSOLIDATED REPORT)

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	2,574	1991	1,909	1994	1,134	1997	1,121
1989	2,295	1992	1,633	1995	1,135		
1990	2,064	1993	1,669	1996	1,499		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports*
Total, all commodities	515	168	267	71	9
Total petroleum and petroleum products	1	0	0	---	---
Subtotal petroleum products	1	0	0	---	---
2340 residual fuel oil	0	---	0	---	---
2350 lube oil & greases	0	0	0	---	---
2410 petro. jelly & waxes	0	0	---	---	---
2430 asphalt, tar & pitch	0	0	---	---	---
2540 petroleum coke	0	---	0	---	---

PORT OF RICHMOND, VA (INCLUDED IN JAMES RIVER, VA CONSOLIDATED REPORT)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports*
Total chemicals and related products	151	83	69	---	---
Subtotal fertilizers	10	10	---	---	---
3190 fert. & mixes nec	10	10	---	---	---
Subtotal other chemicals and related products	142	73	69	---	---
3211 acyclic hydrocarbons	0	0	---	---	---
3219 other hydrocarbons	0	0	0	---	---
3220 alcohols	1	0	1	---	---
3230 carboxylic acids	8	4	4	---	---
3240 nitrogen func. comp.	6	0	6	---	---
3250 organo-inorganic comp.	10	6	3	---	---
3260 organic comp. nec	4	0	4	---	---
3272 sulphuric acid	0	---	0	---	---
3273 ammonia	0	---	0	---	---
3275 inorg. elem., oxides, & halogen salts	1	1	1	---	---
3276 metallic salts	42	42	0	---	---
3279 inorganic chem. nec	0	0	0	---	---
3282 pigments & paints	1	0	0	---	---
3283 coloring mat. nec	1	1	0	---	---
3284 medicines	3	1	2	---	---
3285 perfumes & cleansers	11	1	10	---	---
3286 plastics	40	14	26	---	---
3291 pesticides	0	0	---	---	---
3292 starches, gluten, glue	0	0	0	---	---
3297 chemical additives	1	0	0	---	---
3299 chem. products nec	12	2	11	---	---
Total crude materials, inedible except fuels	44	12	24	---	7
Subtotal forest products, wood and chips	2	0	2	---	---
4150 fuel wood	0	---	0	---	---
4170 wood in the rough	1	---	1	---	---
4190 forest products nec	0	0	0	---	---
Subtotal pulp and waste paper	7	---	---	---	7
4225 pulp & waste paper	7	---	---	---	7
Subtotal soil, sand, gravel, rock and stone	12	---	12	---	---
4323 gypsum	0	---	0	---	---
4331 sand & gravel	12	---	12	---	---
Subtotal non-ferrous ores and scrap	0	0	0	---	---
4650 aluminum ore	0	0	---	---	---
4680 non-ferrous scrap	0	0	---	---	---
4690 non-ferrous ores nec	0	---	0	---	---
Subtotal sulphur, clay and salt	11	0	10	---	---
4741 sulphur, (dry)	0	0	---	---	---
4782 clay & refrac. mat.	10	0	10	---	---
Subtotal other non-metal. min.	12	12	0	---	---
4900 non-metal. min. nec	12	12	0	---	---
Total primary manufactured goods	124	22	29	71	2
Subtotal paper products	94	12	9	71	2
5110 newsprint	71	---	---	71	0
5120 paper & paperboard	21	12	8	---	2
5190 paper products nec	2	0	1	---	---
Subtotal lime, cement and glass	14	3	11	---	---
5240 glass & glass prod.	3	1	1	---	---
5290 misc. mineral prod.	11	2	9	---	---
Subtotal primary iron and steel products	5	3	2	0	---
5315 ferro alloys	0	---	0	---	---
5320 i&s primary forms	1	---	1	---	---
5330 i&s plates & sheets	2	2	---	---	---
5360 i&s bars & shapes	1	1	0	0	---
5370 i&s pipe & tube	0	---	0	---	---
5390 primary i&s nec	0	0	---	---	---
Subtotal primary non-ferrous metal products	11	4	8	---	---
5421 copper	0	0	0	---	---
5422 aluminum	1	0	0	---	---
5429 smelted prod. nec	7	0	7	---	---
5480 fab. metal products	3	3	0	---	---
Subtotal primary wood products	0	0	---	---	---
5540 primary wood prod.	0	0	---	---	---
Total food and farm products	147	30	117	---	---
Subtotal fish	0	---	0	---	---
6134 fish (not shellfish)	0	---	0	---	---
Subtotal grain	0	---	0	---	---
6442 rice	0	---	0	---	---
Subtotal oilseeds	0	0	---	---	---
6590 oilseeds nec	0	0	---	---	---
Subtotal vegetable products	2	1	0	---	---
6653 vegetable oils	0	0	---	---	---
6654 vegetables & prod.	2	1	0	---	---
Subtotal processed grain and animal feed	0	---	0	---	---
6747 grain mill products	0	---	0	---	---
6782 animal feed, prep.	0	---	0	---	---
Subtotal other agricultural products	144	28	116	---	---
6822 dairy products	0	0	---	---	---
6838 tallow, animal oils	0	---	0	---	---
6857 fruit & nuts nec	0	0	0	---	---
6858 fruit juices	0	0	---	---	---
6871 coffee	0	---	0	---	---
6885 alcoholic beverages	19	18	1	---	---
6888 water & ice	2	2	0	---	---
6889 food products nec	1	0	1	---	---
6891 tobacco & products	122	8	115	---	---

PORT OF RICHMOND, VA (INCLUDED IN JAMES RIVER, VA CONSOLIDATED REPORT)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports*
Total all manufactured equipment, machinery and products	47	20	27	0	—
7110 machinery (not elec)	5	4	2	0	—
7120 electrical machinery	2	0	1	0	—
7210 vehicles & parts	10	6	4	—	—
7230 ships & boats	0	—	0	—	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	0	0	0	—	—
7500 textile products	20	5	15	—	—
7600 rubber & plastic pr.	7	4	3	—	—
7900 manufac. prod. nec	3	1	2	—	—
Total unknown or not elsewhere classified	1	1	0	—	—
9900 unknown or nec	1	1	0	—	—

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	606	74	8	317	207	1
Total petroleum and petroleum products	526	74	8	237	207	1
Subtotal petroleum products	526	74	8	237	207	1
2211 gasoline	155	—	—	118	38	—
2330 distillate fuel oil	173	—	—	9	164	—
2340 residual fuel oil	107	—	—	101	5	1
2350 lube oil & greases	8	—	8	0	—	—
2430 asphalt, tar & pitch	83	74	—	9	—	—
Total crude materials, inedible except fuels	73	—	—	73	—	—
Subtotal soil, sand, gravel, rock and stone	73	—	—	73	—	—
4331 sand & gravel	73	—	—	73	—	—
Total food and farm products	0	—	—	—	0	—
Subtotal fish	0	—	—	—	0	—
6136 shellfish	0	—	—	—	0	—
Total all manufactured equipment, machinery and products	7	—	—	7	—	—
7900 manufac. prod. nec	7	—	—	7	—	—

*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits;
 Includes 1 (x1000) tons of Canadian outbound in-transits.

JAMES RIVER BELOW RICHMOND, VA (INCLUDED IN JAMES RIVER CONSOLIDATED REPORT)

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	10,213	1991	7,770	1994	5,387	1997	7,146
1989	8,881	1992	7,373	1995	5,988		
1990	7,740	1993	6,851	1996	7,540		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,038	48	474	168	267	71	9
Total petroleum and petroleum products	12	11	—	0	0	—	—
Subtotal petroleum products	12	11	—	0	0	—	—
2340 residual fuel oil	0	—	—	—	0	—	—
2350 lube oil & greases	0	—	—	0	0	—	—
2410 petro. jelly & waxes	0	—	—	0	—	—	—
2430 asphalt, tar & pitch	0	—	—	0	—	—	—
2540 petroleum coke	0	—	—	—	0	—	—
2640 liquid natural gas	11	11	—	—	—	—	—
Total chemicals and related products	635	21	463	83	69	—	—
Subtotal fertilizers	484	12	463	10	—	—	—
3110 nitrogenous fert.	463	—	463	—	—	—	—
3190 fert. & mixes nec	22	12	—	10	—	—	—
Subtotal other chemicals and related products	151	9	0	73	69	—	—
3211 acyclic hydrocarbons	0	—	—	0	—	—	—
3219 other hydrocarbons	0	—	—	0	0	—	—
3220 alcohols	10	9	0	0	1	—	—
3230 carboxylic acids	8	—	—	4	4	—	—
3240 nitrogen func. comp.	6	—	0	0	6	—	—

JAMES RIVER BELOW RICHMOND, VA (INCLUDED IN JAMES RIVER CONSOLIDATED REPORT)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Upbound	Downbnd
				Upbound	Downbnd		
3250 organo-inorganic comp.	10	---	0	6	3	---	---
3260 organic comp. nec	4	---	---	0	4	---	---
3272 sulphuric acid	0	---	---	---	0	---	---
3273 ammonia	0	---	---	---	0	---	---
3275 inorg. elem., oxides, & halogen salts	1	---	0	1	1	---	---
3276 metallic salts	42	---	---	42	0	---	---
3279 inorganic chem. nec	0	---	---	0	0	---	---
3282 pigments & paints	1	---	---	0	0	---	---
3283 coloring mat. nec	1	---	---	1	0	---	---
3284 medicines	3	---	---	1	2	---	---
3285 perfumes & cleansers	11	---	0	1	10	---	---
3286 plastics	40	---	0	14	26	---	---
3291 pesticides	0	---	---	0	---	---	---
3292 starches, gluten, glue	0	---	0	0	0	---	---
3297 chemical additives	1	---	0	0	0	---	---
3299 chem. products nec	12	---	0	2	11	---	---
Total crude materials, inedible except fuels	61	17	1	12	24	---	7
Subtotal forest products, wood and chips	2	---	---	0	2	---	---
4150 fuel wood	0	---	---	---	0	---	---
4170 wood in the rough	1	---	---	---	1	---	---
4190 forest products nec	0	---	---	0	0	---	---
Subtotal pulp and waste paper	8	---	0	---	---	---	7
4225 pulp & waste paper	8	---	0	---	---	---	7
Subtotal soil, sand, gravel, rock and stone	12	---	0	---	12	---	---
4323 gypsum	0	---	---	---	0	---	---
4331 sand & gravel	12	---	0	---	12	---	---
Subtotal non-ferrous ores and scrap	0	---	0	0	0	---	---
4650 aluminum ore	0	---	---	0	---	---	---
4680 non-ferrous scrap	0	---	0	0	---	---	---
4690 non-ferrous ores nec	0	---	---	---	0	---	---
Subtotal sulphur, clay and salt	11	---	---	0	10	---	---
4741 sulphur, (dry)	0	---	---	0	---	---	---
4782 clay & refrac. mat.	10	---	---	0	10	---	---
Subtotal other non-metal. min.	28	17	---	12	0	---	---
4900 non-metal. min. nec	28	17	---	12	0	---	---
Total primary manufactured goods	124	---	0	22	29	71	2
Subtotal paper products	94	---	0	12	9	71	2
5110 newsprint	71	---	---	---	---	71	0
5120 paper & paperboard	22	---	0	12	8	---	2
5190 paper products nec	2	---	---	0	1	---	---
Subtotal lime, cement and glass	14	---	0	3	11	---	---
5240 glass & glass prod.	3	---	0	1	1	---	---
5290 misc. mineral prod.	11	---	0	2	9	---	---
Subtotal primary iron and steel products	5	---	---	3	2	0	---
5315 ferro alloys	0	---	---	---	0	---	---
5320 i&s primary forms	1	---	---	---	1	---	---
5330 i&s plates & sheets	2	---	---	2	---	---	---
5360 i&s bars & shapes	1	---	---	1	0	0	---
5370 i&s pipe & tube	0	---	---	---	0	---	---
5390 primary i&s nec	0	---	---	0	---	---	---
Subtotal primary non-ferrous metal products	11	---	0	4	8	---	---
5421 copper	0	---	---	0	0	---	---
5422 aluminum	1	---	---	0	0	---	---
5429 smelted prod. nec	7	---	---	0	7	---	---
5480 fab. metal products	3	---	0	3	0	---	---
Subtotal primary wood products	0	---	---	0	---	---	---
5540 primary wood prod.	0	---	---	0	---	---	---
Total food and farm products	156	---	9	30	117	---	---
Subtotal fish	0	---	---	---	0	---	---
6134 fish (not shellfish)	0	---	---	---	0	---	---
Subtotal grain	0	---	---	---	0	---	---
6442 rice	0	---	---	---	0	---	---
Subtotal oilseeds	0	---	---	0	---	---	---
6590 oilseeds nec	0	---	---	0	---	---	---
Subtotal vegetable products	2	---	---	1	0	---	---
6653 vegetable oils	0	---	---	0	---	---	---
6654 vegetables & prod.	2	---	---	1	0	---	---
Subtotal processed grain and animal feed	1	---	1	---	0	---	---
6747 grain mill products	0	---	---	---	0	---	---
6782 animal feed, prep.	1	---	1	---	0	---	---
Subtotal other agricultural products	152	---	8	28	116	---	---
6811 meat, fresh, frozen	4	---	4	---	---	---	---
6822 dairy products	0	---	---	0	---	---	---
6838 tallow, animal oils	0	---	---	---	0	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	---	0	0	0	---	---
6858 fruit juices	1	---	0	0	---	---	---
6871 coffee	0	---	---	---	0	---	---
6885 alcoholic beverages	19	---	0	18	1	---	---
6888 water & ice	2	---	---	2	0	---	---
6889 food products nec	2	---	1	0	1	---	---
6891 tobacco & products	125	---	3	8	115	---	---

JAMES RIVER BELOW RICHMOND, VA (INCLUDED IN JAMES RIVER CONSOLIDATED REPORT)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
Total all manufactured equipment, machinery and products	48	---	1	20	27	0	---
7110 machinery (not elec)	6	---	0	4	2	0	---
7120 electrical machinery	2	---	0	0	1	0	---
7210 vehicles & parts	10	---	0	6	4	---	---
7230 ships & boats	0	---	0	---	0	---	---
7300 ordnance & access.	0	---	---	0	0	---	---
7400 manufac. wood prod.	0	---	---	0	0	---	---
7500 textile products	21	---	0	5	15	---	---
7600 rubber & plastic pr.	7	---	0	4	3	---	---
7900 manufac. prod. nec	3	---	---	1	2	---	---
Total unknown or not elsewhere classified	2	---	0	1	0	---	---
9900 unknown or nec	2	---	0	1	0	---	---
Ton-miles (x1000) Foreign & Canadian	79,840	3,283	32,244	14,479	22,969	6,094	771

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	113	14	18	74	8
Total petroleum and petroleum products	91	10	---	74	8
Subtotal petroleum products	91	10	---	74	8
2350 lube oil & greases	8	---	---	---	8
2430 asphalt, tar & pitch	83	10	---	74	---
Total chemicals and related products	22	4	18	---	---
Subtotal fertilizers	18	---	18	---	---
3110 nitrogenous fert.	15	---	15	---	---
3120 phosphatic fert.	2	---	2	---	---
Subtotal other chemicals and related products	4	4	---	---	---
3274 sodium hydroxide	4	4	---	---	---
Ton-miles (x1000) Coastwise	9,149	969	1,177	6,324	679

Commodity	Total	Internal				
		Inbound		Outbound	Through	
		Upbound	Downbnd	Downbnd	Upbound	Downbnd
Total, all commodities	5,995	789	502	588	786	3,329
Total petroleum and petroleum products	619	173	---	2	237	207
Subtotal petroleum products	619	173	---	2	237	207
2211 gasoline	155	---	---	---	118	38
2330 distillate fuel oil	179	6	---	---	9	164
2340 residual fuel oil	119	12	---	---	101	5
2350 lube oil & greases	0	---	---	---	0	---
2430 asphalt, tar & pitch	166	155	---	2	9	---
Total chemicals and related products	576	278	---	297	---	---
Subtotal fertilizers	297	---	---	297	---	---
3110 nitrogenous fert.	297	---	---	297	---	---
Subtotal other chemicals and related products	278	278	---	---	---	---
3220 alcohols	274	274	---	---	---	---
3272 sulphuric acid	5	5	---	---	---	---
Total crude materials, inedible except fuels	4,793	338	502	289	542	3,123
Subtotal soil, sand, gravel, rock and stone	4,774	319	502	289	542	3,123
4331 sand & gravel	4,774	319	502	289	542	3,123
Subtotal iron ore and scrap	8	8	---	---	---	---
4420 iron & steel scrap	8	8	---	---	---	---
Subtotal non-ferrous ores and scrap	11	11	---	---	---	---
4680 non-ferrous scrap	11	11	---	---	---	---
Total food and farm products	0	---	---	---	---	0
Subtotal fish	0	---	---	---	---	0
6136 shellfish	0	---	---	---	---	0
Total all manufactured equipment, machinery and products	7	---	---	---	7	---
7900 manufac. prod. nec	7	---	---	---	7	---
Ton-miles (x1000) Internal	365,289	34,095	20,371	40,874	29,102	240,846
Tons All Traffic (x1000)	7,146					
Ton-miles All Traffic (x1000)	454,279					

PORT OF HOPEWELL, VA (INCLUDED IN JAMES RIVER VA CONSOLIDATED REPORT)

Section Included: South side of James River, from City Point, at mouth of Appomattox River, 2 miles downstream to the mouth of Baileys Creek.
 Controlling Depth: 25 feet at mean low water. Project Depth: 35 feet, maintained to 25 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,244	1991	1,101	1994	916	1997	1,362
1989	1,369	1992	1,278	1995	935		
1990	1,292	1993	1,256	1996	1,395		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise		Internal	
					Receipts	Shipments	Receipts	Shipments
Total, all commodities	1,362	48	474	840	14	18	509	299
Total petroleum and petroleum products	196	11	—	185	10	—	173	2
Subtotal petroleum products	196	11	—	185	10	—	173	2
2330 distillate fuel oil	6	—	—	6	—	—	6	—
2340 residual fuel oil	12	—	—	12	—	—	12	—
2430 asphalt, tar & pitch	167	—	—	167	10	—	155	2
2640 liquid natural gas	11	11	—	—	—	—	—	—
Total chemicals and related products	1,081	21	463	598	4	18	278	297
Subtotal fertilizers	789	12	463	315	—	18	—	297
3110 nitrogenous fert.	776	—	463	313	—	15	—	297
3120 phosphatic fert.	2	—	—	2	—	2	—	—
3190 fert. & mixes nec	12	12	—	—	—	—	—	—
Subtotal other chemicals and related products	292	9	0	283	4	—	278	—
3220 alcohols	283	9	0	274	—	—	274	—
3240 nitrogen func. comp.	0	—	0	—	—	—	—	—
3250 organo-inorganic comp.	0	—	0	—	—	—	—	—
3272 sulphuric acid	5	—	—	5	—	—	5	—
3274 sodium hydroxide	4	—	—	4	4	—	—	—
3275 inorg. elem. oxides, & halogen salts	0	—	0	—	—	—	—	—
3285 perfumes & cleansers	0	—	0	—	—	—	—	—
3286 plastics	0	—	0	—	—	—	—	—
3292 starches, gluten, glue	0	—	0	—	—	—	—	—
3297 chemical additives	0	—	0	—	—	—	—	—
3299 chem. products nec	0	—	0	—	—	—	—	—
Total crude materials, inedible except fuels	74	17	1	57	—	—	57	—
Subtotal pulp and waste paper	0	—	0	—	—	—	—	—
4225 pulp & waste paper	0	—	0	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	49	—	0	49	—	—	49	—
4331 sand & gravel	49	—	0	49	—	—	49	—
Subtotal iron ore and scrap	8	—	—	8	—	—	8	—
4420 iron & steel scrap	8	—	—	8	—	—	8	—
Subtotal non-ferrous ores and scrap	0	—	0	—	—	—	—	—
4680 non-ferrous scrap	0	—	0	—	—	—	—	—
Subtotal other non-metal. min.	17	17	—	—	—	—	—	—
4900 non-metal. min. nec	17	17	—	—	—	—	—	—
Total primary manufactured goods	0	—	0	—	—	—	—	—
Subtotal paper products	0	—	0	—	—	—	—	—
5120 paper & paperboard	0	—	0	—	—	—	—	—
Subtotal lime, cement and glass	0	—	0	—	—	—	—	—
5240 glass & glass prod.	0	—	0	—	—	—	—	—
5290 misc. mineral prod.	0	—	0	—	—	—	—	—
Subtotal primary non-ferrous metal products	0	—	0	—	—	—	—	—
5480 fab. metal products	0	—	0	—	—	—	—	—
Total food and farm products	9	—	9	—	—	—	—	—
Subtotal processed grain and animal feed	1	—	1	—	—	—	—	—
6782 animal feed, prep.	1	—	1	—	—	—	—	—
Subtotal other agricultural products	8	—	8	—	—	—	—	—
6811 meat, fresh, frozen	4	—	4	—	—	—	—	—
6839 animals & prod. nec	0	—	0	—	—	—	—	—
6857 fruit & nuts nec	0	—	0	—	—	—	—	—
6858 fruit juices	0	—	0	—	—	—	—	—
6885 alcoholic beverages	0	—	0	—	—	—	—	—
6889 food products nec	1	—	1	—	—	—	—	—
6891 tobacco & products	3	—	3	—	—	—	—	—

PORT OF HOPEWELL, VA (INCLUDED IN JAMES RIVER VA CONSOLIDATED REPORT)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise		Internal	
					Receipts	Shipments	Receipts	Shipments
Total all manufactured equipment, machinery and products	1	---	1	---	---	---	---	---
7110 machinery (not elec)	0	---	0	---	---	---	---	---
7120 electrical machinery	0	---	0	---	---	---	---	---
7210 vehicles & parts	0	---	0	---	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---	---
7500 textile products	0	---	0	---	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---	---
Total unknown or not elsewhere classified	0	---	0	---	---	---	---	---
9900 unknown or nec	0	---	0	---	---	---	---	---

JAMES RIVER, VA (CONSOLIDATED REPORT)

Section Included: From mouth to Richmond, VA, 90.8 miles. Controlling Depth: From the mouth to Deepwater Terminal (4.7 miles below Richmond), 24.1 feet, thence to a point 700 feet downstream from lock, 18 feet. Project Depth: from the mouth to Deepwater Terminal (4.7 miles below Richmond), 35 feet, maintained to 25 feet, thence 18 feet to the Richmond Lock. All at mean low water. Project Length: 90.8 miles. Terminals with a turning basin 35 feet deep, maintained to 25 feet, 825 ft wide, and 2,770 ft long.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	10,215	1991	7,770	1994	5,387	1997	7,146
1989	8,894	1992	7,373	1995	5,988		
1990	7,740	1993	6,851	1996	7,540		

Note: Passenger totals above include ferry passengers.

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Upbound	Downbnd
				Upbound	Downbnd		
Total, all commodities	1,038	48	474	168	267	71	9
Total petroleum and petroleum products	12	11	---	0	0	---	---
Subtotal petroleum products	12	11	---	0	0	---	---
2340 residual fuel oil	0	---	---	---	0	---	---
2350 lube oil & greases	0	---	---	0	0	---	---
2410 petro. jelly & waxes	0	---	---	0	---	---	---
2430 asphalt, tar & pitch	0	---	---	0	---	---	---
2540 petroleum coke	0	---	---	---	0	---	---
2640 liquid natural gas	11	11	---	---	---	---	---
Total chemicals and related products	635	21	463	83	69	---	---
Subtotal fertilizers	484	12	463	10	---	---	---
3110 nitrogenous fert.	463	---	463	---	---	---	---
3190 fert. & mixes nec	22	12	---	10	---	---	---
Subtotal other chemicals and related products	151	9	0	73	69	---	---
3211 acyclic hydrocarbons	0	---	---	0	---	---	---
3219 other hydrocarbons	0	---	---	0	0	---	---
3220 alcohols	10	9	0	0	1	---	---
3230 carboxylic acids	8	---	---	4	4	---	---
3240 nitrogen func. comp.	6	---	0	0	6	---	---
3250 organo-inorganic comp.	10	---	0	6	3	---	---
3260 organic comp. nec	4	---	---	0	4	---	---
3272 sulphuric acid	0	---	---	---	0	---	---
3273 ammonia	0	---	---	---	0	---	---
3275 inorg. elem., oxides, & halogen salts	1	---	0	1	1	---	---
3276 metallic salts	42	---	---	42	0	---	---
3279 inorganic chem. nec	0	---	---	0	0	---	---
3282 pigments & paints	1	---	---	0	0	---	---
3283 coloring mat. nec	1	---	---	1	0	---	---
3284 medicines	3	---	---	1	2	---	---
3285 perfumes & cleansers	11	---	0	1	10	---	---
3286 plastics	40	---	0	14	26	---	---
3291 pesticides	0	---	---	0	---	---	---
3292 starches, gluten, glue	0	---	0	0	0	---	---
3297 chemical additives	1	---	0	0	0	---	---
3299 chem. products nec	12	---	0	2	11	---	---
Total crude materials, inedible except fuels	61	17	1	12	24	---	7
Subtotal forest products, wood and chips	2	---	---	0	2	---	---
4150 fuel wood	0	---	---	---	0	---	---
4170 wood in the rough	1	---	---	---	1	---	---
4190 forest products nec	0	---	---	0	0	---	---
Subtotal pulp and waste paper	8	---	0	---	---	---	7
4225 pulp & waste paper	8	---	0	---	---	---	7

JAMES RIVER, VA (CONSOLIDATED REPORT)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
Subtotal soil, sand, gravel, rock and stone	12	---	0	---	12	---	---
4323 gypsum	0	---	---	---	0	---	---
4331 sand & gravel	12	---	0	---	12	---	---
Subtotal non-ferrous ores and scrap	0	---	0	0	0	---	---
4650 aluminum ore	0	---	---	0	---	---	---
4680 non-ferrous scrap	0	---	0	0	---	---	---
4690 non-ferrous ores nec	0	---	---	---	0	---	---
Subtotal sulphur, clay and salt	11	---	---	0	10	---	---
4741 sulphur, (dry)	0	---	---	0	---	---	---
4782 clay & refrac. mat.	10	---	---	0	10	---	---
Subtotal other non-metal. min.	28	17	---	12	0	---	---
4900 non-metal. min. nec	28	17	---	12	0	---	---
Total primary manufactured goods	124	---	0	22	29	71	2
Subtotal paper products	94	---	0	12	9	71	2
5110 newsprint	71	---	---	---	---	71	0
5120 paper & paperboard	22	---	0	12	8	---	2
5190 paper products nec	2	---	---	0	1	---	---
Subtotal lime, cement and glass	14	---	0	3	11	---	---
5240 glass & glass prod.	3	---	0	1	1	---	---
5290 misc. mineral prod.	11	---	0	2	9	---	---
Subtotal primary iron and steel products	5	---	---	3	2	0	---
5315 ferro alloys	0	---	---	---	0	---	---
5320 i&s primary forms	1	---	---	---	1	---	---
5330 i&s plates & sheets	2	---	---	2	---	---	---
5360 i&s bars & shapes	1	---	---	1	0	0	---
5370 i&s pipe & tube	0	---	---	---	0	---	---
5390 primary i&s nec	0	---	---	0	---	---	---
Subtotal primary non-ferrous metal products	11	---	0	4	8	---	---
5421 copper	0	---	---	0	0	---	---
5422 aluminum	1	---	---	0	0	---	---
5429 smelted prod. nec	7	---	---	0	7	---	---
5480 fab. metal products	3	---	0	3	0	---	---
Subtotal primary wood products	0	---	---	0	---	---	---
5540 primary wood prod.	0	---	---	0	---	---	---
Total food and farm products	156	---	9	30	117	---	---
Subtotal fish	0	---	---	---	0	---	---
6134 fish (not shellfish)	0	---	---	---	0	---	---
Subtotal grain	0	---	---	---	0	---	---
6442 rice	0	---	---	---	0	---	---
Subtotal oilseeds	0	---	---	0	---	---	---
6590 oilseeds nec	0	---	---	0	---	---	---
Subtotal vegetable products	2	---	---	1	0	---	---
6653 vegetable oils	0	---	---	0	---	---	---
6654 vegetables & prod.	2	---	---	1	0	---	---
Subtotal processed grain and animal feed	1	---	1	---	0	---	---
6747 grain mill products	0	---	---	---	0	---	---
6782 animal feed, prep.	1	---	1	---	0	---	---
Subtotal other agricultural products	152	---	8	28	116	---	---
6811 meat, fresh, frozen	4	---	4	---	---	---	---
6822 dairy products	0	---	---	0	---	---	---
6838 tallow, animal oils	0	---	---	---	0	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	---	0	0	0	---	---
6858 fruit juices	1	---	0	0	---	---	---
6871 coffee	0	---	---	---	0	---	---
6885 alcoholic beverages	19	---	0	18	1	---	---
6888 water & ice	2	---	---	2	0	---	---
6889 food products nec	2	---	1	0	1	---	---
6891 tobacco & products	125	---	3	8	115	---	---
Total all manufactured equipment, machinery and products	48	---	1	20	27	0	---
7110 machinery (not elec)	6	---	0	4	2	0	---
7120 electrical machinery	2	---	0	0	1	0	---
7210 vehicles & parts	10	---	0	6	4	---	---
7230 ships & boats	0	---	0	---	0	---	---
7300 ordnance & access.	0	---	---	0	0	---	---
7400 manufac. wood prod.	0	---	---	0	0	---	---
7500 textile products	21	---	0	5	15	---	---
7600 rubber & plastic pr.	7	---	0	4	3	---	---
7900 manufac. prod. nec	3	---	---	1	2	---	---
Total unknown or not elsewhere classified	2	---	0	1	0	---	---
9900 unknown or nec	2	---	0	1	0	---	---
Ton-miles (x1000)	79,840	3,283	32,244	14,479	22,969	6,094	771
Foreign & Canadian							

JAMES RIVER, VA (CONSOLIDATED REPORT)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	113	14	18	74	8
Total petroleum and petroleum products	91	10	—	74	8
Subtotal petroleum products	91	10	—	74	8
2350 lube oil & greases	8	—	—	—	8
2430 asphalt, tar & pitch	83	10	—	74	—
Total chemicals and related products	22	4	18	—	—
Subtotal fertilizers	18	—	18	—	—
3110 nitrogenous fert.	15	—	15	—	—
3120 phosphatic fert.	2	—	2	—	—
Subtotal other chemicals and related products	4	4	—	—	—
3274 sodium hydroxide	4	4	—	—	—
Ton-miles (x1000)	9,149	969	1,177	6,324	679
Coastwise					

Commodity	Total	Internal				
		Inbound		Outbound	Through	
		Upbound	Downbnd	Downbnd	Upbound	Downbnd
Total, all commodities	5,995	789	502	588	786	3,329
Total petroleum and petroleum products	619	173	—	2	237	207
Subtotal petroleum products	619	173	—	2	237	207
2211 gasoline	155	—	—	—	118	38
2330 distillate fuel oil	179	6	—	—	9	164
2340 residual fuel oil	119	12	—	—	101	5
2350 lube oil & greases	0	—	—	—	0	—
2430 asphalt, tar & pitch	166	155	—	2	9	—
Total chemicals and related products	576	278	—	297	—	—
Subtotal fertilizers	297	—	—	297	—	—
3110 nitrogenous fert.	297	—	—	297	—	—
Subtotal other chemicals and related products	278	278	—	—	—	—
3220 alcohols	274	274	—	—	—	—
3272 sulphuric acid	5	5	—	—	—	—
Total crude materials, inedible except fuels	4,793	338	502	289	542	3,123
Subtotal soil, sand, gravel, rock and stone	4,774	319	502	289	542	3,123
4331 sand & gravel	4,774	319	502	289	542	3,123
Subtotal iron ore and scrap	8	8	—	—	—	—
4420 iron & steel scrap	8	8	—	—	—	—
Subtotal non-ferrous ores and scrap	11	11	—	—	—	—
4680 non-ferrous scrap	11	11	—	—	—	—
Total food and farm products	0	—	—	—	—	0
Subtotal fish	0	—	—	—	—	0
6136 shellfish	0	—	—	—	—	0
Total all manufactured equipment, machinery and products	7	—	—	—	7	—
7900 manufac. prod. nec	7	—	—	—	7	—
Ton-miles (x1000)	365,289	34,095	20,371	40,874	29,102	240,846
Internal						
Tons All Traffic (x1000)	7,146					
Ton-miles All Traffic (x1000)	454,279					

HAMPTON CREEK, VA

Section Included: From the channel entrance near Old Point, VA, across Hampton Bar Flats and up Hampton Creek to the Queen Street Bridge, a distance of approximately 2.8 miles. Controlling Depth: 12 feet at mean low water. Project Depth: 12 feet at mean low water. Project Length: 2.8 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	653	1991	288	1994	400	1997	404
1989	422	1992	206	1995	463		
1990	325	1993	378	1996	428		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic	
		Coastwise Shipments	Internal Inbound Upbound
Total, all commodities	404	2	403
Total petroleum and petroleum products	12	---	12
Subtotal petroleum products	12	---	12
2340 residual fuel oil	12	---	12
Total crude materials, inedible except fuels	391	---	391
Subtotal soil, sand, gravel, rock and stone	391	---	391
4331 sand & gravel	391	---	391
Total primary manufactured goods	1	1	---
Subtotal lime, cement and glass	1	1	---
5290 misc. mineral prod.	1	1	---
Total food and farm products	0	---	0
Subtotal fish	0	---	0
6136 shellfish	0	---	0
Total all manufactured equipment, machinery and products	0	0	---
7110 machinery (not elec)	0	0	---
Ton-miles (x1000)	1,210	5	1,206
Tons All Traffic (x1000)	404		
Ton-miles All Traffic (x1000)	1,211		

APPOMATTOX RIVER, VA

Section Included: From mouth to Petersburg, Virginia, 11 miles. Controlling Depth: From the mouth to mile point 7.8, 7.5 feet, thence to mile point 8.5, 2.2 feet, thence to mile point 11, 5.5 feet. Project Depth: 10 feet until the vessel traffic indicates the need for a change, the 60 foot wide channel between Puddledock and the Small Boat Harbor will be maintained to a depth of 6 feet. The channel upstream of the Small Boat Harbor is not being maintained.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,415	1991	974	1994	3,020	1997	4,150
1989	1,157	1992	1,366	1995	3,610		
1990	671	1993	4,181	1996	4,630		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal	
		Outbound	Downbnd
Total, all commodities	4,150	4,150	4,150
Total crude materials, inedible except fuels	4,150	4,150	4,150
Subtotal soil, sand, gravel, rock and stone	4,150	4,150	4,150
4331 sand & gravel	4,150	4,150	4,150
Ton-miles (x1000)	33,198	33,198	33,198
Tons All Traffic (x1000)	4,150		
Ton-miles All Traffic (x1000)	33,198		

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER FL (NORFOLK DISTRICT)
VIA GREAT BRIDGE LOCK ROUTE

Section Included: Norfolk, VA, North Carolina Line. Controlling Depth: 11 feet at mean low water. Project Depth: 12 feet at mean low water. Project Length: 33.8 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,431	1991	1,652	1994	1,252	1997	1,214
1989	1,151	1992	1,354	1995	1,381		
1990	1,243	1993	1,519	1996	1,513		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic				
		Coastwise		Internal		
		Through		Inbound	Through	
		Upbound	Downbnd	Downbnd	Upbound	Downbnd
Total, all commodities	1,214	5	1	790	290	127
Total coal	5	---	---	---	---	5
1200 coal coke	5	---	---	---	---	5
Total petroleum and petroleum products	69	---	---	52	---	17
Subtotal petroleum products	69	---	---	52	---	17
2211 gasoline	52	---	---	52	---	---
2340 residual fuel oil	17	---	---	---	---	17
Total chemicals and related products	79	---	---	---	58	21
Subtotal fertilizers	79	---	---	---	58	21
3110 nitrogenous fert.	67	---	---	---	46	21
3190 fert. & mixes nec	12	---	---	---	12	---
Total crude materials, inedible except fuels	926	---	---	738	130	58
Subtotal forest products, wood and chips	100	---	---	---	100	---
4161 wood chips	100	---	---	---	100	---
4189 lumber	0	---	---	---	0	---
Subtotal soil, sand, gravel, rock and stone	738	---	---	738	---	---
4331 sand & gravel	738	---	---	738	---	---
Subtotal iron ore and scrap	55	---	---	---	---	55
4420 iron & steel scrap	55	---	---	---	---	55
Subtotal non-ferrous ores and scrap	30	---	---	---	30	---
4690 non-ferrous ores nec	30	---	---	---	30	---
Subtotal slag	3	---	---	---	---	3
4860 slag	3	---	---	---	---	3
Total primary manufactured goods	116	5	---	---	88	22
Subtotal lime, cement and glass	8	---	---	---	4	4
5290 misc. mineral prod.	8	---	---	---	4	4
Subtotal primary iron and steel products	18	---	---	---	---	18
5360 i&s bars & shapes	17	---	---	---	---	17
5370 i&s pipe & tube	0	---	---	---	---	0
Subtotal primary non-ferrous metal products	25	5	---	---	19	1
5480 fab. metal products	25	5	---	---	19	1
Subtotal primary wood products	65	---	---	---	65	---
5540 primary wood prod.	65	---	---	---	65	---
Total food and farm products	14	---	---	---	14	---
Subtotal grain	6	---	---	---	6	---
6241 wheat	6	---	---	---	6	---
Subtotal oilseeds	8	---	---	---	8	---
6522 soybeans	8	---	---	---	8	---
Total all manufactured equipment, machinery and products	5	0	1	---	0	3
7110 machinery (not elec)	3	---	1	---	---	2
7120 electrical machinery	0	0	---	---	---	---
7220 aircraft & parts	0	---	---	---	---	0
7400 manufac. wood prod.	0	---	---	---	0	---
7600 rubber & plastic pr.	1	---	---	---	---	1
Ton-miles (x1000)	15,432	138	22	4,414	7,548	3,310

Tons All Traffic (x1000) 1,214
Ton-miles All Traffic (x1000) 15,432

PAMUNKEY RIVER, VA

Section Included: A channel 12 feet deep and 100 feet wide to Cumberland Landing 20 miles; thence 8 feet deep to White House 32 miles; and 4 feet to end of project 50 miles. Controlling Depth: 7 feet, Project Depth: 12 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	55	1991	40	1994	548	1997	725
1989	61	1992	71	1995	528		
1990	73	1993	503	1996	545		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign Exports	Domestic		
			Total	Internal	
				Inbound Upbound	Outbound Downbnd
Total, all commodities	725	181	544	460	85
Total coal	127	127	---	---	---
1100 coal lignite	127	127	---	---	---
Total petroleum and petroleum products	68	---	68	68	---
Subtotal petroleum products	68	---	68	68	---
2340 residual fuel oil	68	---	68	68	---
Total chemicals and related products	3	---	3	3	---
Subtotal fertilizers	3	---	3	3	---
3110 nitrogenous fert.	3	---	3	3	---
Total crude materials, inedible except fuels	443	54	389	389	---
Subtotal forest products, wood and chips	389	---	389	389	---
4161 wood chips	389	---	389	389	---
Subtotal pulp and waste paper	54	54	---	---	---
4225 pulp & waste paper	54	54	---	---	---
Total food and farm products	85	---	85	---	85
Subtotal grain	55	---	55	---	55
6241 wheat	36	---	36	---	36
6344 corn	7	---	7	---	7
6443 barley & rye	12	---	12	---	12
Subtotal oilseeds	30	---	30	---	30
6522 soybeans	30	---	30	---	30
Ton-miles (x1000)	9,044	8,500	544	460	85

Tons All Traffic (x1000) **725**
 Ton-miles All Traffic (x1000) **9,044**

YORK RIVER, VA

Section Included: From the mouth to West Point, Va, a distance of 33.75 miles, including the western shoreline of the town of West Point and a dike on the towns right bank. Controlling Depth: 22 feet to West Point, 33 miles above the mouth. Project Depth: 22 feet at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	6,861	1991	5,429	1994	6,944	1997	5,495
1989	7,031	1992	6,092	1995	6,057		
1990	6,328	1993	5,478	1996	6,974		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign			Canadian
		Imports	Exports	Through Downbnd	Imports
Total, all commodities	2,238	1,956	15	181	86
Total coal	127	---	---	127	---
1100 coal lignite	127	---	---	127	---
Total petroleum and petroleum products	2,042	1,956	---	---	86
Subtotal crude petroleum	2,008	1,922	---	---	86
2100 crude petroleum	2,008	1,922	---	---	86
Subtotal petroleum products	34	34	---	---	---
2340 residual fuel oil	34	34	---	---	---
Total crude materials, inedible except fuels	69	---	15	54	---
Subtotal pulp and waste paper	69	---	15	54	---
4225 pulp & waste paper	69	---	15	54	---
Ton-miles (x1000) Foreign & Canadian	23,327	15,645	120	6,873	690

YORK RIVER, VA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Coastwise	
		Receipts	Shipments
Total, all commodities	1,297	180	1,117
Total petroleum and petroleum products	1,262	145	1,117
Subtotal crude petroleum	38	38	—
2100 crude petroleum	38	38	—
Subtotal petroleum products	1,224	107	1,117
2211 gasoline	430	10	419
2330 distillate fuel oil	546	32	515
2340 residual fuel oil	241	58	183
2429 naphtha & solvents	7	7	—
Total chemicals and related products	35	35	—
Subtotal other chemicals and related products	35	35	—
3297 chemical additives	35	35	—
Ton-miles (x1000) Coastwise	5,258	742	4,516

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,961	246	1,164	460	85	5	1
Total petroleum and petroleum products	1,464	228	1,164	68	—	5	—
Subtotal crude petroleum	157	157	—	—	—	—	—
2100 crude petroleum	157	157	—	—	—	—	—
Subtotal petroleum products	1,307	71	1,164	68	—	5	—
2211 gasoline	840	4	831	—	—	5	—
2330 distillate fuel oil	239	—	239	—	—	—	—
2340 residual fuel oil	181	20	94	68	—	—	—
2350 lube oil & greases	0	0	—	—	—	—	—
2429 naphtha & solvents	47	47	—	—	—	—	—
Total chemicals and related products	22	19	—	3	—	—	—
Subtotal fertilizers	3	—	—	3	—	—	—
3110 nitrogenous fert.	3	—	—	3	—	—	—
Subtotal other chemicals and related products	19	19	—	—	—	—	—
3297 chemical additives	19	19	—	—	—	—	—
Total crude materials, inedible except fuels	389	—	—	389	—	—	—
Subtotal forest products, wood and chips	389	—	—	389	—	—	—
4161 wood chips	389	—	—	389	—	—	—
Total food and farm products	86	0	—	—	85	0	1
Subtotal fish	1	0	—	—	—	0	1
6136 shellfish	1	0	—	—	—	0	1
Subtotal grain	55	—	—	—	55	—	—
6241 wheat	36	—	—	—	36	—	—
6344 corn	7	—	—	—	7	—	—
6443 barley & rye	12	—	—	—	12	—	—
Subtotal oilseeds	30	—	—	—	30	—	—
6522 soybeans	30	—	—	—	30	—	—
Ton-miles (x1000) Internal	26,685	986	5,000	17,466	3,211	10	12
Tons All Traffic (x1000)	5,495						
Ton-miles All Traffic (x1000)	55,271						

RAPPAHANNOCK RIVER, VA

Section Included: Mouth to Fredricksburg, 107 miles. Controlling Depth: 8.7 feet to mile 43, (Tappahannock) then 6.3 feet from Tappahannock to Fredericksburg. Project Depth: 12 feet. Also includes 20,401 l.f. of crib and pile dikes and 1,906 l.f. of rip rap stone dike.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	83	1991	34	1994	332	1997	396
1989	11	1992	209	1995	316		
1990	53	1993	279	1996	305		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal	
		Outbound	Through
		Downbnd	Downbnd
Total, all commodities	396	189	207
Total crude materials, inedible except fuels	189	189	---
Subtotal soil, sand, gravel, rock and stone	189	189	---
4331 sand & gravel	189	189	---
Total food and farm products	207	0	207
Subtotal fish	0	0	0
6134 fish (not shellfish)	0	0	---
6136 shellfish	0	0	0
Subtotal grain	162	---	162
6241 wheat	44	---	44
6344 corn	109	---	109
6443 barley & rye	9	---	9
Subtotal oilseeds	45	---	45
6522 soybeans	45	---	45
Ton-miles (x1000)	22,841	14,369	8,472
Tons All Traffic (x1000)	396		
Ton-miles All Traffic (x1000)	22,844		

Other Harbors and Waterways 1997

Harbor or Waterway Project	Commodity	Thousand Short Tons
ABERDEEN CREEK, VA	6136 shellfish	0
	Total Tons(x1000)	0
ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER FL (NORFOLK DISTRICT) DISMAL SWAMP AND PASQUOTANK RIVER	4161 wood chips	100
	4170 wood in the rough	13
	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	113
	Total Ton-miles(x1000)	3,803
BEACH CREEK, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
BROAD CREEK, VA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
Total Ton-miles(x1000)	0	
CAPE CHARLES CITY HARBOR, VA	2100 crude petroleum	7
	4331 sand & gravel	100
	5290 misc. mineral prod.	7
	6136 shellfish	0
	Total Tons(x1000)	114
CARTERS CREEK, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
CHANNEL CONNECTING YORK RIVER, VA, WITH BACK CREEK TO SLAIGHTS WHARF, VA	6136 shellfish	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	0
CHANNEL FROM PHOEBUS, VA (TO DEEP WATER IN HAMPTON ROADS, VA)	No Commerce Reported	
CHESCONESSEX CREEK, VA	No Commerce Reported	
CHINCOTEAGUE BAY, MD AND VA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
Total Ton-miles(x1000)	0	
CHINCOTEAGUE HARBOR OF REFUGE, VA	No Commerce Reported	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
CRANES CREEK, VA	No Commerce Reported	
DAVIS CREEK, VA	No Commerce Reported	
DEEP CREEK, ACCOMACK COUNTY, VA	No Commerce Reported	
DEEP CREEK, NEWPORT NEWS, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
DELAWARE BAY - CHESAPEAKE BAY WATERWAY - VIRGINIA PORTION	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
DYMERS CREEK, VA	No Commerce Reported	
GREENVALE CREEK, VA	No Commerce Reported	
HORN HARBOR, VA	6136 shellfish	0
	Total Tons(x1000)	0
HOSKINS CREEK, VA	6241 wheat	39
	6344 corn	109
	6443 barley & rye	9
	6522 soybeans	41
	Total Tons(x1000)	198
	Total Ton-miles(x1000)	198
JACKSON CREEK, VA	No Commerce Reported	
KINGS CREEK, NORTHAMPTON COUNTY, VA	No Commerce Reported	
LAFAYETTE RIVER, VA	No Commerce Reported	
LITTLE MACHIPONGO RIVER, VA	No Commerce Reported	
LITTLE RIVER (CREEK), VA	2340 residual fuel oil	26
	7110 machinery (not elec)	0
	Total Tons(x1000)	26
	Total Ton-miles(x1000)	26

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
LOCKLIES CREEK, VA	No Commerce Reported	
LYNHAVEN ROADS, INLET, AND CONNECTING WATERS, VA	4515 marine shells	1
	7110 machinery (not elec)	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
MATTAPONI RIVER, VA	No Commerce Reported	
MEHERRIN RIVER, NC	No Commerce Reported	
MILFORD HAVEN, VA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
MILL CREEK, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
MULBERRY CREEK, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
NANDUA CREEK, VA	No Commerce Reported	
NANSEMOND RIVER, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
NEWPORT NEWS CREEK, VA (INCLUDED IN PORT OF NEWPORT NEWS, VA)	4331 sand & gravel	0
	5290 misc. mineral prod.	0
	5315 ferro alloys	0
	5422 aluminum	1
	5480 fab. metal products	0
	5540 primary wood prod.	0
	6134 fish (not shellfish)	0
	6136 shellfish	1
	6817 meat, prepared	0
	6858 fruit juices	0
	6889 food products nec	0
	6891 tobacco & products	1
	7110 machinery (not elec)	1
	7210 vehicles & parts	0
	7400 manufac. wood prod.	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
7900 manufac. prod. nec	0	
Total Tons(x1000)	6	
Total Ton-miles(x1000)	0	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
OCCOHANNOCK CREEK, VA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
ONANCOCK RIVER, VA	2221 kerosene	1
	2330 distillate fuel oil	9
	4331 sand & gravel	70
	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	80
Total Ton-miles(x1000)	477	
OYSTER CHANNEL, VA	No Commerce Reported	
PAGAN RIVER, VA	4331 sand & gravel	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	2
PARKER CREEK, VA	No Commerce Reported	
PARROTTS CREEK, VA	No Commerce Reported	
QUEENS CREEK, VA	No Commerce Reported	
QUINBY CREEK, VA	No Commerce Reported	
STARLINGS CREEK, VA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
TANGIER CHANNEL, VA	2211 gasoline	0
	2221 kerosene	0
	2330 distillate fuel oil	0
	2340 residual fuel oil	1
	6136 shellfish	0
	Total Tons(x1000)	2
Total Ton-miles(x1000)	2	
TOTUSKEY CREEK, VA	No Commerce Reported	
TYLERS BEACH, VA	No Commerce Reported	

Other Harbors and Waterways - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
URBANNA CREEK, VA	6241 wheat	5
	6522 soybeans	3
	Total Tons(x1000)	8
	Total Ton-miles(x1000)	8
	<hr/>	
WILLOUGHBY CHANNEL, VA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
	<hr/>	
WINTER HARBOR, VA	6136 shellfish	0
	Total Tons(x1000)	0
<hr/>		
WISHART POINT CHANNEL, VA	No Commerce Reported	

PAMLICO AND TAR RIVERS, NC

Section Included: From 14 miles below Washington on Pamlico River to Little Falls, 83 miles above Washington on Tar River, a total distance of 97 miles. Controlling Depth: 10.3 feet to Washington, 6 feet from Washington to Hardee Creek; branch channels range from 1 to 6 feet. Project Depth: 12 feet to Hardee Creek, 6 feet to Greenville, and 20 inches to Tarboro, thence to clear natural channel above Tarboro to Little Falls. All at mean low water. Navigation Season: Navigable to Greenville the entire year; above Greenville during freshet stages, which prevail for 4 to 6 months during the year.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	2,564	1991	2,223	1994	1,533	1997	1,730
1989	2,853	1992	1,699	1995	1,405		
1990	2,081	1993	1,405	1996	1,998		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal		
		Inbound	Outbound	Intra
		Upbound	Downbnd	Upbound
Total, all commodities	1,730	563	1,163	4
Total petroleum and petroleum products	10	10	—	—
Subtotal petroleum products	10	10	—	—
2340 residual fuel oil	10	10	—	—
Total chemicals and related products	1,715	553	1,163	—
Subtotal fertilizers	1,098	276	822	—
3110 nitrogenous fert.	25	—	25	—
3120 phosphatic fert.	1,062	276	785	—
3190 fert. & mixes nec	12	—	12	—
Subtotal other chemicals and related products	617	276	341	—
3271 sulphur (liquid)	276	276	—	—
3275 inorg. elem., oxides, & halogen salts	341	—	341	—
Total food and farm products	4	—	—	4
Subtotal fish	4	—	—	4
6134 fish (not shellfish)	0	—	—	0
6136 shellfish	4	—	—	4
Ton-miles (x1000)	43,249	14,063	29,075	111

Tons All Traffic (x1000) 1,730
Ton-miles All Traffic (x1000) 43,253

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (WILMINGTON DISTRICT)

Section Included: Atlantic Intracoastal Waterway, Virginia State Line to South Carolina State Line, including waterway to Jacksonville, NC. Controlling Depth: 10 feet through the Waterway and 9 feet to Jacksonville, NC. Project Depth: 12 feet, all at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	3,330	1991	2,821	1994	2,227	1997	2,276
1989	3,464	1992	2,190	1995	2,055		
1990	2,617	1993	2,094	1996	2,539		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Coastwise	
		Through	
		Upbound	Downbnd
Total, all commodities	6	5	1
Total primary manufactured goods	5	5	—
Subtotal primary non-ferrous metal products	5	5	—
5480 fab. metal products	5	5	—
Total all manufactured equipment, machinery and products	1	0	1
7110 machinery (not elec)	1	—	1
7120 electrical machinery	0	0	—
Ton-miles (x1000) Coastwise	1,886	1,625	260

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (WILMINGTON DISTRICT)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	2,270	1	15	10	3	959	1,282	1	1
Total coal	5	—	—	—	—	—	5	—	—
1200 coal coke	5	—	—	—	—	—	5	—	—
Total petroleum and petroleum products	131	—	—	—	—	113	18	—	—
Subtotal petroleum products	131	—	—	—	—	113	18	—	—
2340 residual fuel oil	131	—	—	—	—	113	18	—	—
Total chemicals and related products	1,775	—	—	—	1	621	1,153	—	—
Subtotal fertilizers	1,157	—	—	—	1	344	812	—	—
3110 nitrogenous fert.	84	—	—	—	1	56	27	—	—
3120 phosphatic fert.	1,062	—	—	—	—	276	785	—	—
3190 fert. & mixes nec	12	—	—	—	—	12	—	—	—
Subtotal other chemicals and related products	617	—	—	—	—	276	341	—	—
3271 sulphur (liquid)	276	—	—	—	—	276	—	—	—
3275 inorg. elem., oxides, & halogen salts	341	—	—	—	—	—	341	—	—
Total crude materials, inedible except fuels	188	—	—	—	—	130	58	—	—
Subtotal forest products, wood and chips	100	—	—	—	—	100	—	—	—
4161 wood chips	100	—	—	—	—	100	—	—	—
4189 lumber	0	—	—	—	—	0	—	—	—
Subtotal iron ore and scrap	55	—	—	—	—	—	55	—	—
4420 iron & steel scrap	55	—	—	—	—	—	55	—	—
Subtotal non-ferrous ores and scrap	30	—	—	—	—	30	—	—	—
4690 non-ferrous ores nec	30	—	—	—	—	30	—	—	—
Subtotal slag	3	—	—	—	—	—	3	—	—
4860 slag	3	—	—	—	—	—	3	—	—
Total primary manufactured goods	111	—	—	—	—	88	22	—	—
Subtotal lime, cement and glass	8	—	—	—	—	4	4	—	—
5290 misc. mineral prod.	8	—	—	—	—	4	4	—	—
Subtotal primary iron and steel products	18	—	—	—	—	—	18	—	—
5360 i&s bars & shapes	17	—	—	—	—	—	17	—	—
5370 i&s pipe & tube	0	—	—	—	—	—	0	—	—
Subtotal primary non-ferrous metal products	20	—	—	—	—	19	1	—	—
5480 fab. metal products	20	—	—	—	—	19	1	—	—
Subtotal primary wood products	65	—	—	—	—	65	—	—	—
5540 primary wood prod.	65	—	—	—	—	65	—	—	—
Total food and farm products	58	1	15	10	2	7	22	1	1
Subtotal fish	44	1	15	—	2	3	22	1	1
6134 fish (not shellfish)	34	1	11	—	1	1	19	0	0
6136 shellfish	10	0	4	—	1	2	2	0	1

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (WILMINGTON DISTRICT)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal grain	6	---	---	1	---	4	---	---	---
6241 wheat	6	---	---	1	---	4	---	---	---
Subtotal oilseeds	8	---	---	8	---	---	---	---	---
6522 soybeans	8	---	---	8	---	---	---	---	---
Total all manufactured equipment, machinery and products	3	---	---	---	---	0	3	---	---
7110 machinery (not elec)	2	---	---	---	---	---	2	---	---
7220 aircraft & parts	0	---	---	---	---	---	0	---	---
7400 manufac. wood prod.	0	---	---	---	---	0	---	---	---
7600 rubber & plastic pr.	1	---	---	---	---	---	1	---	---
Ton-miles Internal (x1000)	187,172	11	536	631	327	95,053	90,560	19	34
Tons All Traffic (x1000)				2,276					
Ton-miles All Traffic (x1000)				189,058					

MOREHEAD CITY HARBOR, NC

Section Included: Morehead City Harbor, NC. Controlling Depth: 40 feet from the ocean to the Marine Terminals; other channels range from 6.5 to 12.0 feet. Project Depth: 42 feet deep 450 feet wide across bar channel; a Cutoff Channel, 40 feet deep and 600 feet wide, an Inner Harbor Channel 40 feet deep and 400 feet wide; and a depth of 40 feet in the east leg of the turning basin, including a 1,200-foot diameter turning area; 35 feet in the west leg of the turning basin and 12 feet from the turning basin to 10th Street, Morehead City, and 6 feet to Bogue Sound. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	6,287	1991	5,237	1994	4,195	1997	5,201
1989	6,159	1992	4,440	1995	4,620		
1990	5,049	1993	3,999	1996	5,588		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports	Imports	Exports
Total, all commodities	3,213	748	2,204	162	98
Total coal	0	---	0	---	---
1100 coal lignite	0	---	0	---	---
1200 coal coke	0	---	0	---	---
Total petroleum and petroleum products	88	88	0	---	---
Subtotal petroleum products	88	88	0	---	---
2330 distillate fuel oil	0	0	---	---	---
2340 residual fuel oil	24	24	---	---	---
2350 lube oil & greases	0	---	0	---	---
2410 petro. jelly & waxes	0	---	0	---	---
2540 petroleum coke	64	64	---	---	---
Total chemicals and related products	1,493	38	1,293	162	---
Subtotal fertilizers	972	25	931	16	---
3110 nitrogenous fert.	10	10	---	---	---
3130 potassic fert.	31	14	---	16	---
3190 fert. & mixes nec	931	---	931	---	---
Subtotal other chemicals and related products	521	13	362	146	---
3219 other hydrocarbons	0	---	0	---	---
3220 alcohols	0	---	0	---	---
3230 carboxylic acids	0	---	0	---	---
3240 nitrogen func. comp.	0	---	0	---	---
3260 organic comp. nec	0	---	0	---	---
3272 sulphuric acid	159	13	---	146	---
3274 sodium hydroxide	0	---	0	---	---
3275 inorg. elem., oxides, & halogen salts	360	---	360	---	---
3276 metallic salts	0	---	0	---	---
3282 pigments & paints	0	---	0	---	---
3284 medicines	0	---	0	---	---
3285 perfumes & cleansers	0	---	0	---	---
3286 plastics	2	---	2	---	---
3292 starches, gluten, glue	0	---	0	---	---
3293 explosives	0	---	0	---	---
3297 chemical additives	0	---	0	---	---
3298 wood & resin chem.	0	---	0	---	---
3299 chem. products nec	0	---	0	---	---

MOREHEAD CITY HARBOR, NC
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports	Imports	Exports
Total crude materials, inedible except fuels	1,398	548	752	0	98
Subtotal forest products, wood and chips	895	95	702	0	98
4110 rubber & gums	90	90	—	—	—
4161 wood chips	800	—	702	—	98
4170 wood in the rough	0	0	—	—	—
4189 lumber	5	5	0	0	—
Subtotal pulp and waste paper	13	6	7	—	—
4225 pulp & waste paper	13	6	7	—	—
Subtotal soil, sand, gravel, rock and stone	33	0	33	—	—
4310 building stone	0	0	—	—	—
4327 phosphate rock	33	—	33	—	—
Subtotal iron ore and scrap	8	—	8	—	—
4420 iron & steel scrap	8	—	8	—	—
Subtotal sulphur, clay and salt	155	154	1	—	—
4741 sulphur, (dry)	154	154	—	—	—
4782 clay & refrac. mat.	1	—	1	—	—
Subtotal other non-metal. min.	293	293	1	—	—
4900 non-metal. min. nec	293	293	1	—	—
Total primary manufactured goods	46	41	5	0	—
Subtotal paper products	2	—	2	—	—
5120 paper & paperboard	2	—	2	—	—
5190 paper products nec	0	—	0	—	—
Subtotal lime, cement and glass	0	0	0	—	—
5240 glass & glass prod.	0	—	0	—	—
5290 misc. mineral prod.	0	0	0	—	—
Subtotal primary iron and steel products	8	6	2	—	—
5330 i&s plates & sheets	3	2	1	—	—
5360 i&s bars & shapes	0	—	0	—	—
5370 i&s pipe & tube	5	4	1	—	—
5390 primary i&s nec	0	—	0	—	—
Subtotal primary non-ferrous metal products	12	12	1	—	—
5421 copper	0	—	0	—	—
5422 aluminum	2	2	0	—	—
5429 smelted prod. nec	0	—	0	—	—
5480 fab. metal products	10	10	1	—	—
Subtotal primary wood products	23	23	—	0	—
5540 primary wood prod.	23	23	—	0	—
Total food and farm products	138	8	130	—	—
Subtotal processed grain and animal feed	4	4	0	—	—
6747 grain mill products	0	—	0	—	—
6782 animal feed, prep.	4	4	—	—	—
Subtotal other agricultural products	134	4	130	—	—
6811 meat, fresh, frozen	120	—	120	—	—
6817 meat, prepared	10	—	10	—	—
6835 fish, prepared	0	—	0	—	—
6858 fruit juices	0	0	0	—	—
6885 alcoholic beverages	0	0	0	—	—
6891 tobacco & products	3	3	0	—	—
6894 natural fibers nec	1	1	—	—	—
Total all manufactured equipment, machinery and products	49	25	24	—	—
7110 machinery (not elec)	31	15	16	—	—
7120 electrical machinery	2	0	2	—	—
7210 vehicles & parts	1	—	1	—	—
7220 aircraft & parts	1	—	1	—	—
7230 ships & boats	0	—	0	—	—
7300 ordnance & access.	3	—	3	—	—
7400 manufac. wood prod.	1	1	0	—	—
7500 textile products	9	9	0	—	—
7600 rubber & plastic pr.	0	0	0	—	—
7900 manufac. prod. nec	0	0	0	—	—
Total unknown or not elsewhere classified	0	—	0	—	—
9900 unknown or nec	0	—	0	—	—

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	1,988	291	5	1,134	558
Total petroleum and petroleum products	99	93	—	6	—
Subtotal petroleum products	99	93	—	6	—
2211 gasoline	90	90	—	—	—
2340 residual fuel oil	6	—	—	6	—
2430 asphalt, tar & pitch	3	3	—	—	—
Total chemicals and related products	1,878	194	—	1,126	558
Subtotal fertilizers	1,067	—	—	785	281
3110 nitrogenous fert.	5	—	—	—	5
3120 phosphatic fert.	1,062	—	—	785	276
Subtotal other chemicals and related products	811	194	—	341	276
3271 sulphur (liquid)	470	194	—	—	276
3275 inorg. elem., oxides, & halogen salts	341	—	—	341	—

MOREHEAD CITY HARBOR, NC
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total crude materials, inedible except fuels	10	5	5	---	0
Subtotal forest products, wood and chips	0	---	---	---	0
4189 lumber	0	---	---	---	0
Subtotal iron ore and scrap	10	5	5	---	---
4420 iron & steel scrap	10	5	5	---	---
Total primary manufactured goods	0	---	---	---	0
Subtotal lime, cement and glass	0	---	---	---	0
5290 misc. mineral prod.	0	---	---	---	0
Total food and farm products	1	---	---	1	---
Subtotal fish	1	---	---	1	---
6134 fish (not shellfish)	1	---	---	1	---
6136 shellfish	0	---	---	0	---
Total all manufactured equipment, machinery and products	0	---	---	0	0
7110 machinery (not elec)	0	---	---	0	---
7400 manufac. wood prod.	0	---	---	---	0

*Includes 0 (x1000) tons of foreign inbound in-transits.

PORT OF WILMINGTON, NC (SEE ALSO WILMINGTON HARBOR NC FOR WATERWAY DATA)

Section Included: Both banks of the Cape Fear River extending from a point about 18 miles below the foot of Castle St. in Wilmington to a point about 2 miles above the Railroad Bridge at Navassa, and both banks of Northeast (Cape Fear) River from its mouth to a point about 1.67 miles above the Hilton Railroad Bridge.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	8,028	1991	6,914	1994	7,697	1997	7,441
1989	6,499	1992	7,047	1995	7,861		
1990	6,807	1993	7,509	1996	7,582		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Total	Coastwise Receipts	Domestic		
		Imports*	Exports*	Imports*			Receipts	Shipments	Intraport
Total, all commodities	7,441	2,008	1,145	737	3,552	2,516	26	978	32
Total coal	0	---	0	---	---	---	---	---	---
1100 coal lignite	0	---	0	---	---	---	---	---	---
Total petroleum and petroleum products	2,647	479	4	15	2,149	1,634	11	472	32
Subtotal petroleum products	2,647	479	4	15	2,149	1,634	11	472	32
2211 gasoline	723	231	---	15	478	477	0	---	---
2221 kerosene	0	---	0	---	---	---	---	---	---
2330 distillate fuel oil	264	29	---	---	234	233	0	---	1
2340 residual fuel oil	1,316	155	0	---	1,161	650	8	472	30
2350 lube oil & greases	3	0	3	---	---	---	---	---	---
2410 petro. jelly & waxes	0	0	0	---	---	---	---	---	---
2429 naphtha & solvents	61	34	---	---	27	27	---	---	---
2430 asphalt, tar & pitch	249	---	0	---	249	247	2	---	---
2540 petroleum coke	30	29	0	---	---	---	---	---	---
2640 liquid natural gas	0	---	0	---	0	---	0	---	---
Total chemicals and related products	2,536	631	108	413	1,383	881	---	502	---
Subtotal fertilizers	126	96	0	15	15	7	---	8	---
3110 nitrogenous fert.	72	57	---	---	15	7	---	8	---
3130 potassic fert.	37	22	---	15	---	---	---	---	---
3190 fert. & mixes nec	17	17	0	---	---	---	---	---	---
Subtotal other chemicals and related products	2,409	535	108	398	1,368	874	---	494	---
3211 acyclic hydrocarbons	0	---	0	---	---	---	---	---	---
3212 benzene & toluene	7	---	0	---	7	7	---	---	---
3219 other hydrocarbons	1,340	0	0	250	1,090	625	---	465	---
3220 alcohols	558	301	0	76	181	153	---	29	---
3230 carboxylic acids	15	2	13	---	---	---	---	---	---
3240 nitrogen func. comp.	5	1	4	---	---	---	---	---	---

PORT OF WILMINGTON, NC (SEE ALSO WILMINGTON HARBOR NC FOR WATERWAY DATA)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports*	Total	Coastwise Receipts	Receipts	Internal Shipments	Intraport
3250 organo-inorganic comp.	1	1	0	—	—	—	—	—	—
3260 organic comp. nec	33	31	2	—	—	—	—	—	—
3272 sulphuric acid	70	—	1	69	—	—	—	—	—
3273 ammonia	75	75	—	—	—	—	—	—	—
3274 sodium hydroxide	201	89	19	3	90	90	—	—	—
3275 inorg. elem., oxides, & halogen salts	14	1	12	—	—	—	—	—	—
3276 metallic salts	50	16	34	—	—	—	—	—	—
3279 inorganic chem. nec	0	0	0	—	—	—	—	—	—
3281 radioactive material	0	—	0	—	—	—	—	—	—
3282 pigments & paints	1	0	1	—	—	—	—	—	—
3283 coloring mat. nec	1	1	0	—	—	—	—	—	—
3284 medicines	0	0	0	—	—	—	—	—	—
3285 perfumes & cleansers	6	3	2	—	—	—	—	—	—
3286 plastics	23	9	14	—	—	—	—	—	—
3291 pesticides	0	—	0	—	—	—	—	—	—
3292 starches, gluten, glue	2	1	1	—	—	—	—	—	—
3293 explosives	1	0	1	—	—	—	—	—	—
3297 chemical additives	2	0	2	—	—	—	—	—	—
3298 wood & resin chem.	0	0	—	—	—	—	—	—	—
3299 chem. products nec	3	2	2	—	—	—	—	—	—
Total crude materials, inedible except fuels	1,432	370	741	310	11	—	11	0	—
Subtotal forest products, wood and chips	170	5	164	—	1	—	1	—	—
4150 fuel wood	0	—	0	—	—	—	—	—	—
4161 wood chips	91	—	91	—	—	—	—	—	—
4170 wood in the rough	10	3	7	—	—	—	—	—	—
4189 lumber	69	1	66	—	1	—	1	—	—
4190 forest products nec	0	0	—	—	0	—	0	—	—
Subtotal pulp and waste paper	568	16	551	—	—	—	—	—	—
4225 pulp & waste paper	568	16	551	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	418	95	10	310	4	—	4	—	—
4310 building stone	0	0	—	—	—	—	—	—	—
4323 gypsum	273	—	—	273	—	—	—	—	—
4327 phosphate rock	37	—	—	37	—	—	—	—	—
4331 sand & gravel	108	95	10	—	4	—	4	—	—
4335 waterway improv. mat	0	—	—	—	0	—	0	—	—
4338 soil & fill dirt	0	—	—	—	0	—	0	—	—
Subtotal iron ore and scrap	3	0	3	—	0	—	—	0	—
4420 iron & steel scrap	3	0	3	—	0	—	—	0	—
Subtotal non-ferrous ores and scrap	153	147	5	—	—	—	—	—	—
4650 aluminum ore	0	—	0	—	—	—	—	—	—
4680 non-ferrous scrap	4	0	4	—	—	—	—	—	—
4690 non-ferrous ores nec	149	147	2	—	—	—	—	—	—
Subtotal sulphur, clay and salt	12	1	6	—	6	—	6	—	—
4741 sulphur, (dry)	2	—	2	—	—	—	—	—	—
4782 clay & refrac. mat.	10	1	4	—	6	—	6	—	—
Subtotal slag	1	1	—	—	—	—	—	—	—
4860 slag	1	1	—	—	—	—	—	—	—
Subtotal other non-metal. min.	106	105	1	—	—	—	—	—	—
4900 non-metal. min. nec	106	105	1	—	—	—	—	—	—
Total primary manufactured goods	322	239	77	0	6	—	2	4	—
Subtotal paper products	66	6	60	0	—	—	—	—	—
5120 paper & paperboard	64	6	58	0	—	—	—	—	—
5190 paper products nec	2	0	1	—	—	—	—	—	—
Subtotal lime, cement and glass	85	76	3	—	6	—	2	4	—
5220 cement & concrete	67	67	—	—	—	—	—	—	—
5240 glass & glass prod.	3	1	2	—	—	—	—	—	—

PORT OF WILMINGTON, NC (SEE ALSO WILMINGTON HARBOR NC FOR WATERWAY DATA)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports*	Total	Coastwise Receipts	Internal		
							Receipts	Shipments	Intraport
5290 misc. mineral prod.	15	8	1	—	6	—	2	4	—
Subtotal primary iron and steel products	128	126	2	—	—	—	—	—	—
5312 pig iron	0	—	0	—	—	—	—	—	—
5315 ferro alloys	2	1	0	—	—	—	—	—	—
5320 i&s primary forms	6	6	0	—	—	—	—	—	—
5330 i&s plates & sheets	91	91	1	—	—	—	—	—	—
5360 i&s bars & shapes	24	24	0	—	—	—	—	—	—
5370 i&s pipe & tube	4	4	0	—	—	—	—	—	—
5390 primary i&s nec	1	1	0	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	41	30	10	—	0	—	0	—	—
5421 copper	3	0	3	—	—	—	—	—	—
5422 aluminum	4	0	4	—	—	—	—	—	—
5429 smelted prod. nec	1	0	0	—	—	—	—	—	—
5480 fab. metal products	33	29	3	—	0	—	0	—	—
Subtotal primary wood products	3	0	3	—	—	—	—	—	—
5540 primary wood prod.	3	0	3	—	—	—	—	—	—
Total food and farm products	219	109	109	—	0	—	0	—	—
Subtotal fish	0	—	0	—	—	—	—	—	—
6134 fish (not shellfish)	0	—	0	—	—	—	—	—	—
Subtotal grain	7	0	6	—	—	—	—	—	—
6344 corn	0	—	0	—	—	—	—	—	—
6442 rice	7	0	6	—	—	—	—	—	—
Subtotal oilseeds	0	—	0	—	—	—	—	—	—
6521 peanuts	0	—	0	—	—	—	—	—	—
Subtotal vegetable products	2	1	0	—	—	—	—	—	—
6653 vegetable oils	0	0	0	—	—	—	—	—	—
6654 vegetables & prod.	1	1	0	—	—	—	—	—	—
Subtotal processed grain and animal feed	2	0	1	—	—	—	—	—	—
6746 wheat flour	0	0	0	—	—	—	—	—	—
6747 grain mill products	0	0	0	—	—	—	—	—	—
6782 animal feed, prep.	1	0	1	—	0	—	0	—	—
Subtotal other agricultural products	209	107	101	—	0	—	0	—	—
6811 meat, fresh, frozen	25	—	25	—	—	—	—	—	—
6817 meat, prepared	0	0	0	—	—	—	—	—	—
6822 dairy products	0	—	0	—	—	—	—	—	—
6835 fish, prepared	0	0	—	—	—	—	—	—	—
6838 tallow, animal oils	0	0	—	—	—	—	—	—	—
6839 animals & prod. nec	10	0	10	—	—	—	—	—	—
6856 bananas & plantains	0	0	—	—	—	—	—	—	—
6857 fruit & nuts nec	3	2	1	—	—	—	—	—	—
6858 fruit juices	0	0	0	—	—	—	—	—	—
6865 molasses	67	67	—	—	—	—	—	—	—
6871 coffee	0	—	0	—	—	—	—	—	—
6885 alcoholic beverages	14	14	0	—	—	—	—	—	—
6887 groceries	0	—	—	—	0	—	0	—	—
6888 water & ice	0	0	—	—	—	—	—	—	—
6889 food products nec	3	0	3	—	—	—	—	—	—
6891 tobacco & products	84	22	61	—	—	—	—	—	—
6893 cotton	1	0	1	—	—	—	—	—	—
6894 natural fibers nec	0	0	0	—	—	—	—	—	—
6899 farm products nec	0	0	0	—	0	—	0	—	—
Total all manufactured equipment, machinery and products	281	178	101	—	2	—	2	0	—
7110 machinery (not elec)	73	46	27	—	0	—	0	0	—
7120 electrical machinery	25	12	13	—	—	—	—	—	—
7210 vehicles & parts	10	1	8	—	—	—	—	—	—
7220 aircraft & parts	0	0	0	—	—	—	—	—	—
7230 ships & boats	0	0	0	—	—	—	—	—	—
7300 ordnance & access.	14	0	14	—	—	—	—	—	—
7400 manufac. wood prod.	4	2	0	—	1	—	1	—	—
7500 textile products	52	25	28	—	—	—	—	—	—
7600 rubber & plastic pr.	26	23	3	—	—	—	—	—	—

PORT OF WILMINGTON, NC (SEE ALSO WILMINGTON HARBOR NC FOR WATERWAY DATA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports*	Total	Coastwise Receipts	Receipts	Internal Shipments	Intraport
7900 manufac. prod. nec	76	68	8	—	—	—	—	—	—
Total waste and scrap nec	0	—	—	—	0	—	—	0	—
8900 waste and scrap nec	0	—	—	—	0	—	—	0	—
Total unknown or not elsewhere classified	5	1	4	—	—	—	—	—	—
9900 unknown or nec	5	1	4	—	—	—	—	—	—

*Includes 12 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits;
 Includes 19 (x1000) tons of Canadian inbound in-transits.

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)

Section Included: From 1.67 miles above the Hilton Bridge at Wilmington to the ocean, 33.67 miles. Controlling Depth: 38 feet to the Anchorage Basin; other channels range from 24 to 32 feet. Project Depth: 40 feet over ocean bar to Southport; 38 feet from Southport to Wilmington Harbor Anchorage Basin; 32 feet from Anchorage Basin; to Hilton R. R. Bridge; 25 feet from Hilton R. R. Bridge to 1.67 miles above. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	8,348	1991	7,175	1994	7,913	1997	8,131
1989	6,782	1992	7,226	1995	8,111		
1990	7,099	1993	7,813	1996	8,121		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports*
Total, all commodities	3,889	2,008	1,145	737
Total coal	0	—	0	—
1100 coal lignite	0	—	0	—
Total petroleum and petroleum products	497	479	4	15
Subtotal petroleum products	497	479	4	15
2211 gasoline	246	231	—	15
2221 kerosene	0	—	0	—
2330 distillate fuel oil	29	29	—	—
2340 residual fuel oil	155	155	0	—
2350 lube oil & greases	3	0	3	—
2410 petro. jelly & waxes	0	0	0	—
2429 naphtha & solvents	34	34	—	—
2430 asphalt, tar & pitch	0	—	0	—
2540 petroleum coke	30	29	0	—
2640 liquid natural gas	0	—	0	—
Total chemicals and related products	1,153	631	108	413
Subtotal fertilizers	111	96	0	15
3110 nitrogenous fert.	57	57	—	—
3130 potassic fert.	37	22	—	15
3190 fert. & mixes nec	17	17	0	—
Subtotal other chemicals and related products	1,041	535	108	398
3211 acyclic hydrocarbons	0	—	0	—
3212 benzene & toluene	0	—	0	—
3219 other hydrocarbons	250	0	0	250
3220 alcohols	377	301	0	76
3230 carboxylic acids	15	2	13	—
3240 nitrogen func. comp.	5	1	4	—
3250 organo-inorganic comp.	1	1	0	—
3260 organic comp. nec	33	31	2	—
3272 sulphuric acid	70	—	1	69
3273 ammonia	75	75	—	—
3274 sodium hydroxide	111	89	19	3
3275 inorg. elem., oxides, & halogen salts	14	1	12	—
3276 metallic salts	50	16	34	—
3279 inorganic chem. nec	0	0	0	—
3281 radioactive material	0	—	0	—
3282 pigments & paints	1	0	1	—
3283 coloring mat. nec	1	1	0	—
3284 medicines	0	0	0	—
3285 perfumes & cleansers	6	3	2	—
3286 plastics	23	9	14	—
3291 pesticides	0	—	0	—
3292 starches, gluten, glue	2	1	1	—
3293 explosives	1	0	1	—
3297 chemical additives	2	0	2	—
3298 wood & resin chem.	0	0	—	—
3299 chem. products nec	3	2	2	—

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports*
Total crude materials, inedible except fuels	1,421	370	741	310
Subtotal forest products, wood and chips	169	5	164	---
4150 fuel wood	0	---	0	---
4161 wood chips	91	---	91	---
4170 wood in the rough	10	3	7	---
4189 lumber	68	1	66	---
4190 forest products nec	0	0	---	---
Subtotal pulp and waste paper	568	16	551	---
4225 pulp & waste paper	568	16	551	---
Subtotal soil, sand, gravel, rock and stone	414	95	10	310
4310 building stone	0	0	---	---
4323 gypsum	273	---	---	273
4327 phosphate rock	37	---	---	37
4331 sand & gravel	104	95	10	---
Subtotal iron ore and scrap	3	0	3	---
4420 iron & steel scrap	3	0	3	---
Subtotal non-ferrous ores and scrap	153	147	5	---
4650 aluminum ore	0	---	---	---
4680 non-ferrous scrap	4	0	4	---
4690 non-ferrous ores nec	149	147	2	---
Subtotal sulphur, clay and salt	7	1	6	---
4741 sulphur, (dry)	2	---	2	---
4782 clay & refrac. mat.	5	1	4	---
Subtotal slag	1	1	---	---
4860 slag	1	1	---	---
Subtotal other non-metal. min.	106	105	1	---
4900 non-metal. min. nec	106	105	1	---
Total primary manufactured goods	316	239	77	0
Subtotal paper products	66	6	60	0
5120 paper & paperboard	64	6	58	0
5190 paper products nec	2	0	1	---
Subtotal lime, cement and glass	79	76	3	---
5220 cement & concrete	67	67	---	---
5240 glass & glass prod.	3	1	2	---
5290 misc. mineral prod.	9	8	1	---
Subtotal primary iron and steel products	128	126	2	---
5312 pig iron	0	---	0	---
5315 ferro alloys	2	1	0	---
5320 i&s primary forms	6	6	0	---
5330 i&s plates & sheets	91	91	1	---
5360 i&s bars & shapes	24	24	0	---
5370 i&s pipe & tube	4	4	0	---
5390 primary i&s nec	1	1	0	---
Subtotal primary non-ferrous metal products	41	30	10	---
5421 copper	3	0	3	---
5422 aluminum	4	0	4	---
5429 smelted prod. nec	1	0	0	---
5480 fab. metal products	33	29	3	---
Subtotal primary wood products	3	0	3	---
5540 primary wood prod.	3	0	3	---
Total food and farm products	218	109	109	---
Subtotal fish	0	---	0	---
6134 fish (not shellfish)	0	---	0	---
Subtotal grain	7	0	6	---
6344 corn	0	---	0	---
6442 rice	7	0	6	---
Subtotal oilseeds	0	---	0	---
6521 peanuts	0	---	0	---
Subtotal vegetable products	2	1	0	---
6653 vegetable oils	0	0	0	---
6654 vegetables & prod.	1	1	0	---
Subtotal processed grain and animal feed	2	0	1	---
6746 wheat flour	0	0	0	---
6747 grain mill products	0	0	0	---
6782 animal feed, prep.	1	0	1	---
Subtotal other agricultural products	208	107	101	---
6811 meat, fresh, frozen	25	---	25	---
6817 meat, prepared	0	0	0	---
6822 dairy products	0	---	0	---
6835 fish, prepared	0	0	---	---
6838 tallow, animal oils	0	0	---	---
6839 animals & prod. nec	10	0	10	---
6856 bananas & plantains	0	0	---	---
6857 fruit & nuts nec	3	2	1	---
6858 fruit juices	0	0	0	---
6865 molasses	67	67	---	---
6871 coffee	0	---	0	---
6885 alcoholic beverages	14	14	0	---
6888 water & ice	0	0	---	---
6889 food products nec	3	0	3	---
6891 tobacco & products	84	22	61	---
6893 cotton	1	0	1	---
6894 natural fibers nec	0	0	0	---
6899 farm products nec	0	0	0	---
Total all manufactured equipment, machinery and products	279	178	101	---
7110 machinery (not elec)	73	46	27	---
7120 electrical machinery	25	12	13	---
7210 vehicles & parts	10	1	8	---
7220 aircraft & parts	0	0	0	---
7230 ships & boats	0	0	0	---
7300 ordnance & access.	14	0	14	---

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports*
7400 manufac. wood prod.	3	2	0	—
7500 textile products	52	25	28	—
7600 rubber & plastic pr.	26	23	3	—
7900 manufac. prod. nec	76	68	8	—
Total unknown or not elsewhere classified	5	1	4	—
9900 unknown or nec	5	1	4	—
Ton-miles (x1000) Foreign & Canadian	108,895	56,214	32,048	20,633

Commodity	Total	Coastwise		
		Receipts	Through Upbound Downbnd	
Total, all commodities	2,971	2,525	445	1
Total petroleum and petroleum products	1,774	1,634	139	—
Subtotal petroleum products	1,774	1,634	139	—
2211 gasoline	477	477	—	—
2330 distillate fuel oil	233	233	—	—
2340 residual fuel oil	650	650	—	—
2429 naphtha & solvents	27	27	—	—
2430 asphalt, tar & pitch	386	247	139	—
Total chemicals and related products	1,104	891	213	—
Subtotal fertilizers	24	7	16	—
3110 nitrogenous fert.	24	7	16	—
Subtotal other chemicals and related products	1,080	884	197	—
3212 benzene & toluene	7	7	—	—
3219 other hydrocarbons	625	625	—	—
3220 alcohols	167	153	14	—
3274 sodium hydroxide	276	94	182	—
3275 inorg. elem., oxides, & halogen salts	6	6	—	—
Total primary manufactured goods	92	—	92	—
Subtotal lime, cement and glass	87	—	87	—
5220 cement & concrete	87	—	87	—
Subtotal primary non-ferrous metal products	5	—	5	—
5480 fab. metal products	5	—	5	—
Total all manufactured equipment, machinery and products	1	—	0	1
7110 machinery (not elec)	1	—	—	1
7120 electrical machinery	0	—	0	—
Ton-miles (x1000) Coastwise	85,267	70,718	14,542	7

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,271	10	1	863	115	117	115	13	37
Total coal	5	—	—	—	—	—	5	—	—
1200 coal coke	5	—	—	—	—	—	5	—	—
Total petroleum and petroleum products	517	8	1	361	111	2	—	12	22
Subtotal petroleum products	517	8	1	361	111	2	—	12	22
2211 gasoline	0	—	—	—	—	—	—	—	0
2330 distillate fuel oil	2	—	—	—	—	—	—	—	2
2340 residual fuel oil	513	8	1	361	111	2	—	12	18
2430 asphalt, tar & pitch	2	—	—	—	—	—	—	—	2
2640 liquid natural gas	0	—	—	—	—	—	—	—	0
Total chemicals and related products	528	—	—	502	—	—	26	—	—
Subtotal fertilizers	34	—	—	8	—	—	26	—	—
3110 nitrogenous fert.	34	—	—	8	—	—	26	—	—

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal other chemicals and related products	494	---	---	494	---	---	---	---	---
3219 other hydrocarbons	465	---	---	465	---	---	---	---	---
3220 alcohols	29	---	---	29	---	---	---	---	---
Total crude materials, inedible except fuels	99	---	---	---	---	30	58	0	11
Subtotal forest products, wood and chips	1	---	---	---	---	---	---	---	1
4189 lumber	1	---	---	---	---	---	---	---	1
4190 forest products nec	0	---	---	---	---	---	---	---	0
Subtotal soil, sand, gravel, rock and stone	4	---	---	---	---	---	---	---	4
4331 sand & gravel	4	---	---	---	---	---	---	---	4
4335 waterway improv. mat	0	---	---	---	---	---	---	---	0
4338 soil & fill dirt	0	---	---	---	---	---	---	---	0
Subtotal iron ore and scrap	55	---	---	---	---	---	55	0	---
4420 iron & steel scrap	55	---	---	---	---	---	55	0	---
Subtotal non-ferrous ores and scrap	30	---	---	---	---	30	---	---	---
4690 non-ferrous ores nec	30	---	---	---	---	30	---	---	---
Subtotal sulphur, clay and salt	6	---	---	---	---	---	---	---	6
4782 clay & refrac. mat.	6	---	---	---	---	---	---	---	6
Subtotal slag	3	---	---	---	---	---	3	---	---
4860 slag	3	---	---	---	---	---	3	---	---
Total primary manufactured goods	113	---	---	---	4	84	22	---	2
Subtotal lime, cement and glass	10	---	---	---	4	---	4	---	2
5290 misc. mineral prod.	10	---	---	---	4	---	4	---	2
Subtotal primary iron and steel products	18	---	---	---	---	---	18	---	---
5360 i&s bars & shapes	17	---	---	---	---	---	17	---	---
5370 i&s pipe & tube	0	---	---	---	---	---	0	---	---
Subtotal primary non-ferrous metal products	20	---	---	---	---	19	1	---	0
5480 fab. metal products	20	---	---	---	---	19	1	---	0
Subtotal primary wood products	65	---	---	---	---	65	---	---	---
5540 primary wood prod.	65	---	---	---	---	65	---	---	---
Total food and farm products	4	2	0	---	---	0	1	---	0
Subtotal fish	3	2	0	---	---	0	1	---	---
6134 fish (not shellfish)	3	2	0	---	---	0	1	---	---
6136 shellfish	0	0	0	---	---	---	0	---	---
Subtotal other agricultural products	0	---	---	---	---	---	---	---	0
6887 groceries	0	---	---	---	---	---	---	---	0
6899 farm products nec	0	---	---	---	---	---	---	---	0
Total all manufactured equipment, machinery and products	5	---	---	---	---	---	3	0	2
7110 machinery (not elec)	2	---	---	---	---	---	2	0	0
7220 aircraft & parts	0	---	---	---	---	---	0	---	---

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
7400 manufac. wood prod.	1	—	—	—	—	—	—	—	1
7600 rubber & plastic pr.	1	—	—	—	—	—	1	—	—
Total waste and scrap nec	0	—	—	—	—	—	—	0	—
8900 waste and scrap nec	0	—	—	—	—	—	—	0	—
Ton-miles Internal (x1000)	7,686	180	6	3,700	1,515	938	1,183	19	146

Tons All Traffic (x1000) 8,131
 Ton-miles All Traffic (x1000) 201,858

*Includes 12 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits;
 Includes 19 (x1000) tons of Canadian inbound in-transits.

CAPE FEAR RIVER ABOVE WILMINGTON, NC

Section Included: From Wilmington, NC to Fayetteville, NC. Controlling Depth: 19.2 feet from Wilmington to Navassa (4 miles); 9 feet from Navassa to Acme (26 miles); 5 feet to Fayetteville, 115 miles above Wilmington. Project Depth: 25 feet from Wilmington to Navassa (4 miles); 12 feet from Navassa to Acme; 8 feet to Fayetteville, 115 miles above Wilmington. All at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	280	1991	397	1994	407	1997	309
1989	180	1992	458	1995	348		
1990	308	1993	374	1996	311		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal		
		Inbound	Intra	
		Upbound	Upbound	Downbnd
Total, all commodities	309	211	59	39
Total petroleum and petroleum products	215	211	—	3
Subtotal petroleum products	215	211	—	3
2340 residual fuel oil	215	211	—	3
Total chemicals and related products	95	—	59	36
Subtotal other chemicals and related products	95	—	59	36
3298 wood & resin chem.	95	—	59	36
Ton-miles (x1000)	7,801	5,552	1,348	902

Tons All Traffic (x1000) 309
 Ton-miles All Traffic (x1000) 7,801

NORTHEAST (CAPE FEAR) RIVER, NC

Section Included: From 1.67 miles above Hilton Bridge at Wilmington to Kornegays Bridge, 103 miles above the mouth. Controlling Depth: 13 feet to a point 30 miles above the mouth, and 3 feet to Crooms Bridge, 56 miles above the mouth at all stages. Project: Clearing of natural channel by snagging, 103 miles. Navigation Season: Entire year over lower 56 miles, upper portion only during freshet stages.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	781	1991	537	1994	638	1997	1,137
1989	405	1992	613	1995	637		
1990	468	1993	603	1996	976		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise Receipts	Internal		
			Inbound Upbound	Outbound Downbnd	Intra Upbound
Total, all commodities	1,137	439	643	26	28
Total petroleum and petroleum products	289	139	150	---	---
Subtotal petroleum products	289	139	150	---	---
2340 residual fuel oil	150	---	150	---	---
2430 asphalt, tar & pitch	139	139	---	---	---
Total chemicals and related products	761	213	494	26	28
Subtotal fertilizers	43	16	---	26	---
3110 nitrogenous fert.	43	16	---	26	---
Subtotal other chemicals and related products	718	197	494	---	28
3219 other hydrocarbons	476	---	465	---	11
3220 alcohols	60	14	29	---	17
3274 sodium hydroxide	182	182	---	---	---
Total primary manufactured goods	87	87	---	---	---
Subtotal lime, cement and glass	87	87	---	---	---
5220 cement & concrete	87	87	---	---	---
Ton-miles (x1000)	47,984	17,575	28,955	1,315	139

Tons All Traffic (x1000) **1,137**
Ton-miles All Traffic (x1000) **47,984**

Other Harbors and Waterways 1997

Harbor or Waterway Project	Commodity	Thousand Short Tons
ATLANTIC BEACH CHANNELS, NC	6134 fish (not shellfish)	3
	Total Tons(x1000)	3
AVON HARBOR, NC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	1
BAY RIVER, NC	6134 fish (not shellfish)	8
	6136 shellfish	1
	Total Tons(x1000)	9
	Total Ton-miles(x1000)	103
BEAUFORT HARBOR, NC	6134 fish (not shellfish)	65
	6136 shellfish	2
	Total Tons(x1000)	67
BELHAVEN HARBOR, NC	6134 fish (not shellfish)	6
	6136 shellfish	2
	6241 wheat	4
	Total Tons(x1000)	12
CASHIE RIVER, NC	6134 fish (not shellfish)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	6
CHANNEL CONNECTING THOROUGHFARE BAY WITH CEDAR BAY, NC	No Commerce Reported	
CHANNEL FROM BACK SOUND TO LOOKOUT BIGHT, NC	6134 fish (not shellfish)	1
	6136 shellfish	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	5
CHANNEL FROM PAMLICO SOUND TO RODANTHE, NC	No Commerce Reported	
CHANNEL TO BOGUE INLET, NC	6134 fish (not shellfish)	1
	6136 shellfish	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	3
CHOWAN RIVER, NC	4170 wood in the rough	112
	6134 fish (not shellfish)	1
	Total Tons(x1000)	113
	Total Ton-miles(x1000)	5,844

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
DRUM INLET, NC	No Commerce Reported	
EDENTON HARBOR, NC	4170 wood in the rough	50
	Total Tons(x1000)	50
FAR CREEK, NC	6134 fish (not shellfish)	1
	6136 shellfish	2
	Total Tons(x1000)	3
	Total Ton-miles(x1000)	8
KNOBBS CREEK, NC	4161 wood chips	92
	Total Tons(x1000)	92
	Total Ton-miles(x1000)	92
LOCKWOODS FOLLY RIVER, NC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	6
MACKAY CREEK, NC	No Commerce Reported	
MANN'S HARBOR, NC	No Commerce Reported	
MANTEO (SHALLOWBAG) BAY, NC	4161 wood chips	1
	6134 fish (not shellfish)	41
	6136 shellfish	4
	Total Tons(x1000)	45
	Total Ton-miles(x1000)	127
NEUSE RIVER, NC	2340 residual fuel oil	94
	3110 nitrogenous fert.	16
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	5
	6136 shellfish	3
	Total Tons(x1000)	118
	Total Ton-miles(x1000)	3,270
NEW RIVER, NC	6134 fish (not shellfish)	1
	6136 shellfish	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	0

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
OCRACOKE INLET, NC	6134 fish (not shellfish)	17
	6136 shellfish	1
	Total Tons(x1000)	18
	Total Ton-miles(x1000)	37
PERQUIMANS RIVER, NC	No Commerce Reported	
ROANOKE RIVER, NC	2340 residual fuel oil	17
	3110 nitrogenous fert.	23
	4170 wood in the rough	50
	6134 fish (not shellfish)	1
	6136 shellfish	0
	Total Tons(x1000)	90
Total Ton-miles(x1000)	3,070	
ROLLINSON CHANNEL, NC	6134 fish (not shellfish)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	2
SCUPPERNONG RIVER, NC	No Commerce Reported	
SHALLOTTE RIVER, NC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
Total Ton-miles(x1000)	3	
SILVER LAKE HARBOR, NC	4161 wood chips	1
	Total Tons(x1000)	1
SMITHS CREEK (PAMLICO COUNTY), NC	6134 fish (not shellfish)	5
	6136 shellfish	3
	Total Tons(x1000)	8
	Total Ton-miles(x1000)	8
SMITHS CREEK (WILMINGTON), NC	No Commerce Reported	
SOUTH RIVER, NC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	3
STUMPY POINT BAY, NC	6134 fish (not shellfish)	7
	6136 shellfish	1
	Total Tons(x1000)	8
	Total Ton-miles(x1000)	15

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
TRENT RIVER, NC	3110 nitrogenous fert.	5
	Total Tons(x1000)	5
	Total Ton-miles(x1000)	5
WANCHESE HARBOR, NC (INCLUDED IN MANTEO) (SHALLOWBAG BAY, NC)	6134 fish (not shellfish)	29
	6136 shellfish	0
	Total Tons(x1000)	29
WATERWAY - NORFOLK, VA TO SOUNDS OF NC	6134 fish (not shellfish)	3
	6136 shellfish	3
	Total Tons(x1000)	6
	Total Ton-miles(x1000)	97
WATERWAY CONNECTING PAMLICO SOUND AND BEAUFORT HARBOR, NC	6134 fish (not shellfish)	6
	6136 shellfish	1
	Total Tons(x1000)	7
	Total Ton-miles(x1000)	96
WATERWAY CONNECTING SWAN QUARTER BAY WITH DEEP BAY, NC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	2
WRIGHTS CREEK, NC	6134 fish (not shellfish)	0
	6136 shellfish	3
	Total Tons(x1000)	3
	Total Ton-miles(x1000)	3

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (CHARLESTON DISTRICT)

Section Included: From Little River, SC, to Port Royal Sound, SC, with a branch channel to McClellanville, SC. Controlling Depth: 8.4 feet at mean low water for 90 feet width from Little River to Winyah Bay, 7.5 feet for 90 feet width from Winyah Bay to Charleston; 10.6 feet for 90 feet width in McClellanville Branch Channel and 10 feet for 90 feet width from Charleston to Port Royal Sound. Project Depth: 12 feet at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	679	1991	428	1994	348	1997	294
1989	514	1992	259	1995	300		
1990	583	1993	470	1996	350		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic						
		Coastwise		Internal				
		Through		Inbound		Outbound	Through	
Upbound	Downbnd	Upbound	Downbnd	Downbnd	Upbound	Downbnd		
Total, all commodities	294	5	1	5	4	1	177	102
Total coal	5	---	---	---	---	---	---	5
1200 coal coke	5	---	---	---	---	---	---	5
Total petroleum and petroleum products	65	---	---	2	---	---	62	1
Subtotal petroleum products	65	---	---	2	---	---	62	1
2211 gasoline	3	---	---	2	---	---	1	---
2330 distillate fuel oil	6	---	---	---	---	---	6	---
2340 residual fuel oil	56	---	---	---	---	---	55	1
Total chemicals and related products	3	---	---	---	---	---	---	3
Subtotal fertilizers	3	---	---	---	---	---	---	3
3110 nitrogenous fert.	3	---	---	---	---	---	---	3
Total crude materials, inedible except fuels	88	---	---	---	---	---	30	58
Subtotal iron ore and scrap	55	---	---	---	---	---	---	55
4420 iron & steel scrap	55	---	---	---	---	---	---	55
Subtotal non-ferrous ores and scrap	30	---	---	---	---	---	30	---
4690 non-ferrous ores nec	30	---	---	---	---	---	30	---
Subtotal slag	3	---	---	---	---	---	---	3
4860 slag	3	---	---	---	---	---	---	3
Total primary manufactured goods	121	5	---	---	0	1	84	31
Subtotal lime, cement and glass	5	---	---	---	---	1	---	4
5290 misc. mineral prod.	5	---	---	---	---	1	---	4
Subtotal primary iron and steel products	25	---	---	---	---	---	---	25
5360 i&s bars & shapes	24	---	---	---	---	---	---	24
5370 i&s pipe & tube	0	---	---	---	---	---	---	0
Subtotal primary non-ferrous metal products	26	5	---	---	0	---	19	2
5480 fab. metal products	26	5	---	---	0	---	19	2
Subtotal primary wood products	65	---	---	---	---	---	65	---
5540 primary wood prod.	65	---	---	---	---	---	65	---
Total food and farm products	7	---	---	2	4	0	0	1
Subtotal fish	7	---	---	2	4	0	0	1
6134 fish (not shellfish)	0	---	---	0	0	---	---	0
6136 shellfish	7	---	---	2	4	0	0	1
Total all manufactured equipment, machinery and products	5	0	1	---	0	0	---	3
7110 machinery (not elec)	3	---	1	---	0	0	---	2
7120 electrical machinery	0	0	---	---	---	---	---	---
7220 aircraft & parts	0	---	---	---	---	---	---	0
7600 rubber & plastic pr.	1	---	---	---	---	---	---	1
Ton-miles (x1000)	42,504	1,094	175	119	64	28	27,449	13,574
Tons All Traffic (x1000)			294					
Ton-miles All Traffic (x1000)			42,517					

GEORGETOWN HARBOR, SC (WINYAH BAY)

Section Included: Atlantic Ocean Entrance to Winyah Bay, SC, to and including turning basin in Sampit River at the City of Georgetown, SC.
 Controlling Depth: 18.2 feet at mean low water for 600-foot width from the ocean to Range C; thence 25.8 feet for 400-foot width to Range D, thence 24.8 feet for 300-foot width to mouth of Sampit River; thence 26.9 feet for 300-foot width to head of the project; Sampit River bypass channel 7.3 feet for 100-foot width. Project Depth: 27 feet at mean low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	826	1991	962	1994	706	1997	1,535
1989	877	1992	955	1995	1,234		
1990	890	1993	1,113	1996	1,379		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports		Imports	Total	Coastwise Shipments	Internal
				Receipts				Shipments
Total, all commodities	1,535	1,076	52	337	70	42	21	7
Total petroleum and petroleum products	3	---	0	---	3	---	3	---
Subtotal petroleum products	3	---	0	---	3	---	3	---
2340 residual fuel oil	3	---	---	---	3	---	3	---
2350 lube oil & greases	0	---	0	---	---	---	---	---
Total chemicals and related products	1	0	1	---	---	---	---	---
Subtotal other chemicals and related products	1	0	1	---	---	---	---	---
3219 other hydrocarbons	0	0	0	---	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---	---
3250 organo-inorganic comp.	0	---	0	---	---	---	---	---
3260 organic comp. nec	0	0	---	---	---	---	---	---
3275 inorg. elem. oxides, & halogen salts	0	0	---	---	---	---	---	---
3282 pigments & paints	0	---	0	---	---	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---	---
3286 plastics	0	0	0	---	---	---	---	---
3291 pesticides	0	---	0	---	---	---	---	---
3297 chemical additives	0	---	0	---	---	---	---	---
3299 chem. products nec	0	---	0	---	---	---	---	---
Total crude materials, inedible except fuels	1,159	764	29	337	28	11	17	---
Subtotal pulp and waste paper	29	---	29	---	---	---	---	---
4225 pulp & waste paper	29	---	29	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	141	141	---	---	---	---	---	---
4322 limestone	141	141	---	---	---	---	---	---
Subtotal iron ore and scrap	916	561	---	337	17	---	17	---
4410 iron ore	899	561	---	337	---	---	---	---
4420 iron & steel scrap	17	---	---	---	17	---	17	---
Subtotal slag	11	---	---	---	11	11	---	---
4860 slag	11	---	---	---	11	11	---	---
Subtotal other non-metal. min.	62	62	---	---	---	---	---	---
4900 non-metal. min. nec	62	62	---	---	---	---	---	---
Total primary manufactured goods	366	306	22	---	38	31	---	7
Subtotal paper products	2	---	2	---	---	---	---	---
5120 paper & paperboard	2	---	2	---	---	---	---	---
Subtotal lime, cement and glass	93	88	5	---	---	---	---	---
5220 cement & concrete	88	88	---	---	---	---	---	---
5240 glass & glass prod.	5	0	5	---	---	---	---	---
5290 misc. mineral prod.	0	0	---	---	---	---	---	---
Subtotal primary iron and steel products	248	210	---	---	38	31	---	7
5312 pig iron	81	81	---	---	---	---	---	---
5315 ferro alloys	13	13	---	---	---	---	---	---
5320 i&s primary forms	31	---	---	---	31	31	---	---
5360 i&s bars & shapes	122	115	---	---	7	---	---	7
Subtotal primary non-ferrous metal products	9	8	0	---	---	---	---	---
5421 copper	1	1	---	---	---	---	---	---
5422 aluminum	7	7	0	---	---	---	---	---
5429 smelted prod. nec	1	1	---	---	---	---	---	---
5480 fab. metal products	0	0	---	---	---	---	---	---
Subtotal primary wood products	15	---	15	---	---	---	---	---
5540 primary wood prod.	15	---	15	---	---	---	---	---
Total food and farm products	6	5	0	---	0	---	0	---
Subtotal fish	0	---	---	---	0	---	0	---
6134 fish (not shellfish)	0	---	---	---	0	---	0	---

GEORGETOWN HARBOR, SC (WINYAH BAY)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise	Internal	
					Shipments	Receipts	Shipments	
6136 shellfish	0	---	---	---	0	---	0	---
Subtotal oilseeds	0	---	0	---	---	---	---	---
6590 oilseeds nec	0	---	0	---	---	---	---	---
Subtotal vegetable products	0	---	0	---	---	---	---	---
6654 vegetables & prod.	0	---	0	---	---	---	---	---
Subtotal processed grain and animal feed	5	5	---	---	---	---	---	---
6782 animal feed, prep.	5	5	---	---	---	---	---	---
Subtotal other agricultural products	0	---	0	---	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---	---
Total all manufactured equipment, machinery and products	1	0	0	---	---	---	---	---
7110 machinery (not elec)	0	0	0	---	---	---	---	---
7120 electrical machinery	0	0	0	---	---	---	---	---
7500 textile products	1	0	0	---	---	---	---	---
7600 rubber & plastic pr.	0	0	0	---	---	---	---	---
7900 manufac. prod. nec	0	0	0	---	---	---	---	---
Total unknown or not elsewhere classified	0	0	---	---	---	---	---	---
9900 unknown or nec	0	0	---	---	---	---	---	---

CHARLESTON HARBOR, SC (INCLUDING ASHLEY RIVER, COOPER RIVER, SHEM CREEK AND SHIPYARD RIVER, SC)

Section Included: Ocean to Goose Creek via Cooper River and Town Creek; to the Standard Wharf on Ashley River; to the Mount Pleasant Memorial Highway Bridge on Shem Creek; to the Airco Alloys Wharf on Shipyard River; Wando River to Cainhoy. Controlling Depth: 40 feet for 800 feet width across the entrance channel; thence 26.7 feet for project widths to head of project (15.7 miles); Shipyard River 28.4 feet to head of project (1.2 miles), Wando River controlling depth 41.6 feet for 400 foot widths to head of project. Project Depth: Charleston Harbor 40 feet; Shem Creek 10 feet; Ashley River 30 feet; Shipyard River 36 feet; Wando River 40 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	10,250	1991	9,464	1994	10,830	1997	17,874
1989	9,923	1992	9,650	1995	11,172		
1990	9,697	1993	9,503	1996	11,083		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	13,123	5,638	7,182	301	2
Total coal	487	0	486	0	---
1100 coal lignite	487	0	486	0	---
Total petroleum and petroleum products	376	359	17	0	0
Subtotal crude petroleum	0	0	---	---	---
2100 crude petroleum	0	0	---	---	---
Subtotal petroleum products	376	359	17	0	0
2211 gasoline	189	189	0	---	---
2221 kerosene	0	---	0	---	---
2330 distillate fuel oil	13	13	0	---	---
2340 residual fuel oil	55	55	0	---	---
2350 lube oil & greases	14	1	13	---	0
2410 petro. jelly & waxes	12	12	1	---	---
2429 naphtha & solvents	1	0	1	0	---
2430 asphalt, tar & pitch	1	0	0	---	---
2540 petroleum coke	90	89	1	---	---
2640 liquid natural gas	0	---	0	---	---
Total chemicals and related products	2,218	709	1,470	38	0
Subtotal fertilizers	77	23	29	25	---
3110 nitrogenous fert.	20	2	18	---	---
3120 phosphatic fert.	1	1	---	---	---
3130 potassic fert.	26	1	0	25	---
3190 fert. & mixes nec	31	19	11	0	---
Subtotal other chemicals and related products	2,141	686	1,441	13	0
3211 acyclic hydrocarbons	3	1	3	---	---
3212 benzene & toluene	0	---	0	---	---
3219 other hydrocarbons	42	10	20	12	---
3220 alcohols	125	101	25	---	---
3230 carboxylic acids	374	46	327	---	---
3240 nitrogen func. comp.	54	29	25	---	---
3250 organo-inorganic comp.	75	45	30	---	---
3260 organic comp. nec	47	22	26	---	0
3271 sulphur (liquid)	0	---	0	---	---
3272 sulphuric acid	0	0	0	---	---

CHARLESTON HARBOR, SC (INCLUDING ASHLEY RIVER, COOPER RIVER, SHEM CREEK AND SHIPYARD RIVER, SC)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
3273 ammonia	14	14	0	—	—
3274 sodium hydroxide	26	24	3	—	—
3275 inorg. elem., oxides, & halogen salts	90	56	34	—	—
3276 metallic salts	119	35	84	—	0
3279 inorganic chem. nec	13	3	10	—	—
3281 radioactive material	2	2	0	—	—
3282 pigments & paints	159	30	129	0	—
3283 coloring mat. nec	38	29	9	0	—
3284 medicines	14	3	10	—	—
3285 perfumes & cleansers	58	17	41	0	—
3286 plastics	649	146	502	0	0
3291 pesticides	19	5	14	—	—
3292 starches, gluten, glue	49	32	16	—	0
3293 explosives	1	0	0	—	—
3297 chemical additives	28	5	23	—	—
3298 wood & resin chem.	61	5	56	—	—
3299 chem. products nec	78	26	52	—	—
Total crude materials, inedible except fuels	2,631	1,004	1,394	233	—
Subtotal forest products, wood and chips	523	331	184	8	—
4110 rubber & gums	190	189	1	—	—
4150 fuel wood	2	0	2	—	—
4161 wood chips	1	—	1	—	—
4170 wood in the rough	28	10	18	—	—
4189 lumber	288	121	159	8	—
4190 forest products nec	14	11	3	0	—
Subtotal pulp and waste paper	706	25	681	—	—
4225 pulp & waste paper	706	25	681	—	—
Subtotal soil, sand, gravel, rock and stone	336	5	107	223	—
4310 building stone	5	4	1	—	—
4322 limestone	0	0	—	—	—
4323 gypsum	145	0	3	142	—
4327 phosphate rock	2	—	2	—	—
4331 sand & gravel	184	2	102	81	—
Subtotal iron ore and scrap	149	134	15	—	—
4410 iron ore	121	121	—	—	—
4420 iron & steel scrap	28	13	15	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—
Subtotal non-ferrous ores and scrap	426	391	34	0	—
4650 aluminum ore	386	382	4	—	—
4670 manganese ore	7	—	7	—	—
4680 non-ferrous scrap	20	8	12	0	—
4690 non-ferrous ores nec	13	1	12	—	—
Subtotal sulphur, clay and salt	357	9	347	—	—
4741 sulphur, (dry)	0	0	0	—	—
4782 clay & refrac. mat.	357	9	347	—	—
Subtotal slag	2	0	2	—	—
4860 slag	2	0	2	—	—
Subtotal other non-metal. min.	132	107	23	2	—
4900 non-metal. min. nec	132	107	23	2	—
Total primary manufactured goods	2,491	1,230	1,250	10	0
Subtotal paper products	1,234	260	966	7	0
5110 newsprint	55	3	51	1	—
5120 paper & paperboard	1,122	246	870	6	0
5190 paper products nec	57	11	46	0	—
Subtotal lime, cement and glass	288	180	106	2	—
5220 cement & concrete	18	15	3	—	—
5240 glass & glass prod.	95	44	50	2	—
5290 misc. mineral prod.	175	121	53	0	—
Subtotal primary iron and steel products	563	511	51	0	—
5312 pig iron	326	321	4	—	—
5315 ferro alloys	8	4	4	—	—
5320 i&s primary forms	30	28	2	—	—
5330 i&s plates & sheets	73	44	30	—	—
5360 i&s bars & shapes	69	68	1	—	—
5370 i&s pipe & tube	25	18	7	0	—
5390 primary i&s nec	32	29	3	—	—
Subtotal primary non-ferrous metal products	343	240	103	0	0
5421 copper	30	15	16	0	—
5422 aluminum	66	35	30	0	—
5429 smelted prod. nec	22	16	7	—	—
5480 fab. metal products	225	174	51	0	0
Subtotal primary wood products	63	38	24	0	—
5540 primary wood prod.	63	38	24	0	—
Total food and farm products	1,979	597	1,379	2	1
Subtotal fish	57	37	19	0	0
6134 fish (not shellfish)	38	26	12	0	0
6136 shellfish	18	11	7	—	—
Subtotal grain	228	4	224	0	—
6241 wheat	191	0	191	—	—
6344 corn	6	0	5	—	—
6442 rice	30	3	27	—	—
6443 barley & rye	0	—	—	0	—
6445 oats	0	—	0	—	—
6447 sorghum grains	1	1	0	—	—
Subtotal oilseeds	92	12	78	—	1
6521 peanuts	50	12	38	—	—
6522 soybeans	28	—	28	—	—
6590 oilseeds nec	14	0	12	—	1
Subtotal vegetable products	98	46	53	0	—
6653 vegetable oils	18	5	13	—	—
6654 vegetables & prod.	80	40	40	0	—

CHARLESTON HARBOR, SC (INCLUDING ASHLEY RIVER, COOPER RIVER, SHEM CREEK AND SHIPYARD RIVER, SC)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Subtotal processed grain and animal feed	204	22	181	0	0
6746 wheat flour	12	1	11	—	—
6747 grain mill products	23	10	14	0	0
6781 hay & fodder	4	—	4	—	—
6782 animal feed, prep.	164	12	152	0	—
Subtotal other agricultural products	1,301	476	824	1	0
6811 meat, fresh, frozen	403	9	394	0	—
6817 meat, prepared	31	3	28	—	—
6822 dairy products	10	5	4	0	0
6835 fish, prepared	49	37	11	0	—
6838 tallow, animal oils	5	1	4	—	—
6839 animals & prod. nec	51	10	41	0	—
6856 bananas & plantains	1	1	0	—	—
6857 fruit & nuts nec	131	20	111	0	—
6858 fruit juices	98	58	39	1	—
6861 sugar	2	1	1	—	—
6865 molasses	0	0	0	—	—
6871 coffee	106	86	21	0	—
6872 cocoa beans	10	7	2	—	—
6885 alcoholic beverages	191	149	42	0	—
6888 water & ice	11	11	0	—	—
6889 food products nec	68	37	31	—	—
6891 tobacco & products	70	24	46	0	—
6893 cotton	47	3	44	—	—
6894 natural fibers nec	5	5	0	—	—
6899 farm products nec	11	7	3	0	—
Total all manufactured equipment, machinery and products	2,884	1,713	1,168	4	0
7110 machinery (not elec)	627	374	252	0	0
7120 electrical machinery	284	149	135	0	0
7210 vehicles & parts	313	217	96	0	—
7220 aircraft & parts	1	0	1	—	—
7230 ships & boats	9	0	8	—	—
7300 ordnance & access.	4	2	2	—	—
7400 manufac. wood prod.	68	37	30	1	—
7500 textile products	928	483	444	1	0
7600 rubber & plastic pr.	245	135	110	0	0
7900 manufac. prod. nec	403	314	89	1	0
Total unknown or not elsewhere classified	57	26	17	14	—
9900 unknown or nec	57	26	17	14	—

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	4,751	4,288	250	95	31	88
Total coal	19	—	14	5	—	—
1100 coal lignite	14	—	14	—	—	—
1200 coal coke	5	—	—	5	—	—
Total petroleum and petroleum products	2,876	2,711	19	47	10	88
Subtotal petroleum products	2,876	2,711	19	47	10	88
2211 gasoline	1,558	1,558	—	—	—	—
2221 kerosene	21	21	—	—	—	—
2330 distillate fuel oil	454	449	—	5	—	1
2340 residual fuel oil	482	343	—	43	10	87
2350 lube oil & greases	274	274	—	—	—	—
2429 naphtha & solvents	1	1	—	—	—	—
2430 asphalt, tar & pitch	70	64	—	6	—	—
2540 petroleum coke	13	—	13	—	—	—
2990 petro. products nec	1	1	—	—	—	—
Total chemicals and related products	1,122	1,108	11	3	—	—
Subtotal fertilizers	3	0	—	3	—	—
3110 nitrogenous fert.	3	0	—	3	—	—
3130 potassic fert.	0	—	—	—	—	—
Subtotal other chemicals and related products	1,119	1,108	11	—	—	—
3219 other hydrocarbons	980	980	—	—	—	—
3230 carboxylic acids	0	0	—	—	—	—
3260 organic comp. nec	2	1	1	—	—	—
3274 sodium hydroxide	120	120	—	—	—	—
3275 inorg. elem. oxides, & halogen salts	3	1	2	—	—	—
3283 coloring mat. nec	1	0	1	—	—	—
3284 medicines	1	0	1	—	—	—
3285 perfumes & cleansers	1	1	1	—	—	—
3286 plastics	0	0	0	—	—	—
3291 pesticides	2	2	—	—	—	—
3292 starches, gluten, glue	4	1	3	—	—	—
3298 wood & resin chem.	0	—	—	—	—	—
3299 chem. products nec	5	2	3	—	—	—
Total crude materials, inedible except fuels	322	283	2	38	—	—
Subtotal forest products, wood and chips	1	1	0	—	—	—
4110 rubber & gums	0	0	—	—	—	—
4189 lumber	0	—	0	—	—	—
4190 forest products nec	0	0	—	—	—	—

CHARLESTON HARBOR, SC (INCLUDING ASHLEY RIVER, COOPER RIVER, SHEM CREEK AND SHIPYARD RIVER, SC)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal pulp and waste paper	3	2	1	---	---	---
4225 pulp & waste paper	3	2	1	---	---	---
Subtotal soil, sand, gravel, rock and stone	0	0	0	---	---	---
4310 building stone	0	0	0	---	---	---
Subtotal iron ore and scrap	296	259	---	38	---	---
4420 iron & steel scrap	296	259	---	38	---	---
Subtotal non-ferrous ores and scrap	22	22	0	---	---	---
4680 non-ferrous scrap	0	0	---	---	---	---
4690 non-ferrous ores nec	22	22	0	---	---	---
Total primary manufactured goods	93	48	24	1	21	---
Subtotal paper products	19	14	5	---	---	---
5110 newsprint	1	0	1	---	---	---
5120 paper & paperboard	12	10	2	---	---	---
5190 paper products nec	6	4	2	---	---	---
Subtotal lime, cement and glass	5	2	2	1	---	---
5240 glass & glass prod.	3	1	2	---	---	---
5290 misc. mineral prod.	2	1	0	1	---	---
Subtotal primary iron and steel products	18	9	9	---	---	---
5320 i&s primary forms	1	1	1	---	---	---
5360 i&s bars & shapes	8	7	0	---	---	---
5370 i&s pipe & tube	0	0	---	---	---	---
5390 primary i&s nec	9	1	8	---	---	---
Subtotal primary non-ferrous metal products	51	23	8	0	21	---
5421 copper	4	1	2	---	---	---
5422 aluminum	1	1	0	---	---	---
5429 smelted prod. nec	0	0	---	---	---	---
5480 fab. metal products	46	20	6	0	21	---
Subtotal primary wood products	0	0	---	---	---	---
5540 primary wood prod.	0	0	---	---	---	---
Total food and farm products	170	73	95	2	---	1
Subtotal fish	2	0	0	2	---	1
6134 fish (not shellfish)	0	0	0	---	---	0
6136 shellfish	2	---	---	2	---	1
Subtotal oilseeds	5	5	---	---	---	---
6521 peanuts	5	5	---	---	---	---
Subtotal vegetable products	1	1	0	---	---	---
6653 vegetable oils	0	---	0	---	---	---
6654 vegetables & prod.	1	1	0	---	---	---
Subtotal processed grain and animal feed	0	0	0	---	---	---
6747 grain mill products	0	0	0	---	---	---
6782 animal feed, prep.	0	0	0	---	---	---
Subtotal other agricultural products	162	67	95	---	---	---
6811 meat, fresh, frozen	1	1	---	---	---	---
6822 dairy products	1	0	1	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---
6857 fruit & nuts nec	0	0	0	---	---	---
6871 coffee	0	0	0	---	---	---
6872 cocoa beans	4	1	3	---	---	---
6885 alcoholic beverages	139	55	84	---	---	---
6888 water & ice	13	7	6	---	---	---
6889 food products nec	4	3	1	---	---	---
Total all manufactured equipment, machinery and products	150	65	85	0	0	---
7110 machinery (not elec)	9	6	2	0	0	---
7120 electrical machinery	4	2	2	---	---	---
7210 vehicles & parts	4	4	0	---	---	---
7220 aircraft & parts	0	0	0	---	---	---
7230 ships & boats	0	0	0	---	---	---
7300 ordnance & access.	0	0	0	---	---	---
7400 manufac. wood prod.	4	1	3	---	---	---
7500 textile products	3	2	1	---	---	---
7600 rubber & plastic pr.	19	11	8	---	---	---
7900 manufac. prod. nec	106	39	67	---	---	---
Total unknown or not elsewhere classified	0	0	0	---	---	---
9900 unknown or nec	0	0	0	---	---	---

*Includes 380 (x1000) tons of foreign inbound in-transits; Includes 359 (x1000) tons of foreign outbound in-transits;
 Includes 13 (x1000) tons of Canadian inbound in-transits; Includes 0 (x1000) tons of Canadian outbound in-transits.

Footnote: Beginning in CY1997, the Wando River, SC tonnage included in Charleston Harbor, SC.

SHIPYARD RIVER, SC (INCLUDED IN CHARLESTON HARBOR, SC)

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	1,848	1991	1,698	1994	1,103	1997	778
1989	1,276	1992	1,334	1995	772		
1990	1,726	1993	1,025	1996	485		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal	
		Imports*	Exports	Imports	Total	Coastwise		Inbound Upbound	Outbound Downbnd
					Receipts	Shipments			
Total, all commodities	778	223	149	262	143	113	14	15	1
Total coal	159	---	140	---	19	---	14	5	---
1100 coal lignite	154	---	140	---	14	---	14	---	---
1200 coal coke	5	---	---	---	5	---	---	5	---
Total petroleum and petroleum products	99	0	---	---	99	91	---	7	1
Subtotal petroleum products	99	0	---	---	99	91	---	7	1
2340 residual fuel oil	8	---	---	---	8	---	---	7	1
2350 lube oil & greases	45	0	---	---	45	45	---	---	---
2430 asphalt, tar & pitch	45	---	---	---	45	45	---	---	---
2990 petro. products nec	1	---	---	---	1	1	---	---	---
Total chemicals and related products	61	10	1	25	25	22	---	3	---
Subtotal fertilizers	32	5	---	25	3	---	---	3	---
3110 nitrogenous fert.	3	0	---	---	3	---	---	3	---
3130 potassic fert.	25	---	---	25	---	---	---	---	---
3190 fert. & mixes nec	4	4	---	---	---	---	---	---	---
Subtotal other chemicals and related products	28	6	1	---	22	22	---	---	---
3211 acyclic hydrocarbons	0	---	0	---	---	---	---	---	---
3219 other hydrocarbons	0	0	---	---	---	---	---	---	---
3220 alcohols	0	0	0	---	---	---	---	---	---
3230 carboxylic acids	0	0	---	---	---	---	---	---	---
3240 nitrogen func. comp.	0	0	---	---	---	---	---	---	---
3250 organo-inorganic comp.	0	0	---	---	---	---	---	---	---
3274 sodium hydroxide	24	2	---	---	22	22	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	0	---	---	---	---	---	---	---
3276 metallic salts	2	2	0	---	---	---	---	---	---
3282 pigments & paints	0	---	0	---	---	---	---	---	---
3283 coloring mat. nec	0	0	0	---	---	---	---	---	---
3285 perfumes & cleansers	0	0	---	---	---	---	---	---	---
3286 plastics	1	1	0	---	---	---	---	---	---
3292 starches, gluten, glue	0	0	---	---	---	---	---	---	---
3293 explosives	0	0	---	---	---	---	---	---	---
3298 wood & resin chem.	0	0	---	---	---	---	---	---	---
3299 chem. products nec	0	0	0	---	---	---	---	---	---
Total crude materials, inedible except fuels	317	86	7	223	---	---	---	---	---
Subtotal forest products, wood and chips	0	0	0	---	---	---	---	---	---
4189 lumber	0	0	0	---	---	---	---	---	---
Subtotal pulp and waste paper	2	---	2	---	---	---	---	---	---
4225 pulp & waste paper	2	---	2	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	223	0	---	223	---	---	---	---	---
4323 gypsum	142	---	---	142	---	---	---	---	---
4331 sand & gravel	81	0	---	81	---	---	---	---	---

SHIPYARD RIVER, SC (INCLUDED IN CHARLESTON HARBOR, SC)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports	Imports	Total	Coastwise		Internal	
					Receipts	Shipments	Inbound Upbound	Outbound Downbnd	
Subtotal sulphur, clay and salt	1	---	1	---	---	---	---	---	---
4782 clay & refrac. mat.	1	---	1	---	---	---	---	---	---
Subtotal other non-metal. min.	90	86	4	---	---	---	---	---	---
4900 non-metal. min. nec	90	86	4	---	---	---	---	---	---
Total primary manufactured goods	116	114	1	---	1	---	---	1	0
Subtotal paper products	1	0	1	---	---	---	---	---	---
5120 paper & paperboard	1	0	1	---	---	---	---	---	---
5190 paper products nec	0	0	0	---	---	---	---	---	---
Subtotal lime, cement and glass	2	1	0	---	1	---	---	1	---
5240 glass & glass prod.	0	0	0	---	---	---	---	---	---
5290 misc. mineral prod.	1	1	---	---	1	---	---	1	---
Subtotal primary iron and steel products	112	112	---	---	---	---	---	---	---
5312 pig iron	112	112	---	---	---	---	---	---	---
5330 i&s plates & sheets	0	0	---	---	---	---	---	---	---
5360 i&s bars & shapes	0	0	---	---	---	---	---	---	---
5370 i&s pipe & tube	0	0	---	---	---	---	---	---	---
5390 primary i&s nec	0	0	---	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	1	1	0	---	0	---	---	---	0
5421 copper	0	0	---	---	---	---	---	---	---
5422 aluminum	0	0	0	---	---	---	---	---	---
5480 fab. metal products	0	0	---	---	0	---	---	---	0
Subtotal primary wood products	0	0	---	---	---	---	---	---	---
5540 primary wood prod.	0	0	---	---	---	---	---	---	---
Total food and farm products	2	2	0	---	---	---	---	---	---
Subtotal fish	0	---	0	---	---	---	---	---	---
6136 shellfish	0	---	0	---	---	---	---	---	---
Subtotal grain	0	---	0	---	---	---	---	---	---
6442 rice	0	---	0	---	---	---	---	---	---
Subtotal vegetable products	1	1	0	---	---	---	---	---	---
6653 vegetable oils	0	0	---	---	---	---	---	---	---
6654 vegetables & prod.	0	0	0	---	---	---	---	---	---
Subtotal processed grain and animal feed	0	0	0	---	---	---	---	---	---
6747 grain mill products	0	0	---	---	---	---	---	---	---
6782 animal feed, prep.	0	---	0	---	---	---	---	---	---
Subtotal other agricultural products	1	1	0	---	---	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---	---	---
6839 animals & prod. nec	0	0	---	---	---	---	---	---	---
6857 fruit & nuts nec	0	0	---	---	---	---	---	---	---
6858 fruit juices	0	0	---	---	---	---	---	---	---
6871 coffee	0	0	---	---	---	---	---	---	---
6872 cocoa beans	0	0	---	---	---	---	---	---	---
6885 alcoholic beverages	1	1	0	---	---	---	---	---	---
6888 water & ice	0	0	---	---	---	---	---	---	---
6889 food products nec	0	0	---	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	10	10	0	0	---	---	---	---	---
7110 machinery (not elec)	3	3	0	---	---	---	---	---	---
7120 electrical machinery	1	0	0	0	---	---	---	---	---
7210 vehicles & parts	3	3	---	---	---	---	---	---	---

SHIPYARD RIVER, SC (INCLUDED IN CHARLESTON HARBOR, SC)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports	Imports	Total	Coastwise		Internal	
					Receipts	Shipments	Inbound Upbound	Outbound Downbnd	
7220 aircraft & parts	0	0	---	---	---	---	---	---	---
7230 ships & boats	0	0	---	---	---	---	---	---	---
7300 ordnance & access.	0	0	---	---	---	---	---	---	---
7400 manufac. wood prod.	1	1	---	---	---	---	---	---	---
7500 textile products	1	1	0	---	---	---	---	---	---
7600 rubber & plastic pr.	1	1	0	---	---	---	---	---	---
7900 manufac. prod. nec	0	0	0	---	---	---	---	---	---
Total unknown or not elsewhere classified	14	0	---	14	---	---	---	---	---
9900 unknown or nec	14	0	---	14	---	---	---	---	---
Ton-miles (x1000)	778	223	149	262	143	113	14	15	1

Tons All Traffic (x1000) 778
 Ton-miles All Traffic (x1000) 778

*Includes 0 (x1000) tons of foreign inbound in-transits.

Other Harbors and Waterways 1997

Harbor or Waterway Project	Commodity	Thousand Short Tons
ASHLEY RIVER, SC (INCLUDED IN CHARLESTON HARBOR, SC)	2330 distillate fuel oil	5
	2340 residual fuel oil	44
	4690 non-ferrous ores nec	30
	4860 slag	3
	5290 misc. mineral prod.	4
	5360 i&s bars & shapes	24
	5370 i&s pipe & tube	0
	5480 fab. metal products	7
	5540 primary wood prod.	65
	6136 shellfish	1
	7110 machinery (not elec)	3
	7120 electrical machinery	0
	7220 aircraft & parts	0
	7230 ships & boats	0
	7600 rubber & plastic pr.	1
	Total Tons(x1000)	188
Total Ton-miles(x1000)	377	
GREAT PEE DEE RIVER, SC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
Total Ton-miles(x1000)	0	
PORT ROYAL HARBOR, SC	2211 gasoline	1
	2330 distillate fuel oil	1
	2340 residual fuel oil	1
	3240 nitrogen func. comp.	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3299 chem. products nec	0
	4322 limestone	25
	4782 clay & refrac. mat.	34
	4900 non-metal. min. nec	3
	5220 cement & concrete	37
	5480 fab. metal products	1
	6136 shellfish	0
	6889 food products nec	0
	7110 machinery (not elec)	0
	7120 electrical machinery	0
7500 textile products	0	
7900 manufac. prod. nec	0	
Total Tons(x1000)	104	
SANTEE RIVER, SC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
Total Ton-miles(x1000)	20	
VILLAGE CREEK, SC	6136 shellfish	0
	Total Tons(x1000)	0
WACCAMAW RIVER, NC AND SC	6134 fish (not shellfish)	0
	Total Tons(x1000)	0

SAVANNAH HARBOR, GA

Section Included: From the 40-foot contour in the ocean to the Continental Can Company Plant, 32.15 miles. Controlling Depth: For mid-channel, half project width, 40 feet over the Bar Channel; thence 38 feet to the Georgia Ports Authority Ocean Terminal; thence 38 feet to the Georgia Ports Authority Garden City Terminal; thence 36 feet to the Atlantic Creosoting Company; and 30 feet to the Continental Can Company Plant. Project Depth: 40 feet over the Bar Channel, 8.71 miles; 38 feet to above Georgia Ports Authority Garden City Terminal, 21.59 miles; 36 feet to the Atlantic Creosoting Company, 1.04 miles; 30 feet to above Continental Can Company, 1.33 miles. Navigation Season: Entire Year.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	13,981	1991	13,337	1994	15,905	1997	17,929
1989	12,830	1992	13,989	1995	17,380		
1990	13,569	1993	14,963	1996	17,598		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	14,702	6,836	7,183	551	132
Total coal	147	136	11	---	---
1100 coal lignite	147	136	11	---	---
1200 coal coke	0	---	0	---	---
Total petroleum and petroleum products	1,496	1,460	32	3	0
Subtotal crude petroleum	921	921	---	---	---
2100 crude petroleum	921	921	---	---	---
Subtotal petroleum products	575	539	32	3	0
2211 gasoline	359	359	0	---	---
2330 distillate fuel oil	53	53	0	---	---
2340 residual fuel oil	84	72	12	---	---
2350 lube oil & greases	10	1	9	---	0
2410 petro. jelly & waxes	1	1	0	---	---
2429 naphtha & solvents	0	0	0	---	---
2430 asphalt, tar & pitch	7	0	7	---	---
2540 petroleum coke	59	53	3	3	---
2640 liquid natural gas	0	---	0	---	---
Total chemicals and related products	1,346	640	604	102	0
Subtotal fertilizers	54	23	30	---	0
3110 nitrogenous fert.	35	18	17	---	0
3120 phosphatic fert.	2	---	2	---	---
3130 potassic fert.	0	---	0	---	---
3190 fert. & mixes nec	17	5	11	---	0
Subtotal other chemicals and related products	1,292	617	574	102	0
3211 acyclic hydrocarbons	2	0	2	---	---
3219 other hydrocarbons	23	19	4	---	---
3220 alcohols	59	54	5	---	---
3230 carboxylic acids	47	33	14	---	---
3240 nitrogen func. comp.	22	15	7	---	0
3250 organo-inorganic comp.	113	42	71	---	---
3260 organic comp. nec	35	18	16	---	---
3271 sulphur (liquid)	1	0	1	---	---
3272 sulphuric acid	94	0	0	94	---
3273 ammonia	152	152	1	---	---
3274 sodium hydroxide	49	41	2	6	---
3275 inorg. elem. oxides, & halogen salts	64	52	12	---	---
3276 metallic salts	34	21	14	---	0
3279 inorganic chem. nec	4	2	2	---	---
3281 radioactive material	1	0	1	---	---
3282 pigments & paints	37	10	27	---	---
3283 coloring mat. nec	7	4	2	---	---
3284 medicines	5	1	3	---	---
3285 perfumes & cleansers	29	12	17	---	0
3286 plastics	323	102	221	0	0
3291 pesticides	16	2	13	---	---
3292 starches, gluten, glue	28	10	18	---	0
3293 explosives	2	2	1	---	---
3297 chemical additives	15	3	12	---	0
3298 wood & resin chem.	94	11	82	---	---
3299 chem. products nec	36	10	25	2	---
Total crude materials, inedible except fuels	5,860	1,183	4,106	441	131
Subtotal forest products, wood and chips	689	133	533	23	0
4110 rubber & gums	12	11	0	---	---
4150 fuel wood	5	0	5	---	---
4161 wood chips	397	0	397	---	---
4170 wood in the rough	32	6	25	---	---
4189 lumber	240	111	105	23	0
4190 forest products nec	5	4	1	---	---
Subtotal pulp and waste paper	881	82	799	---	---
4225 pulp & waste paper	881	82	799	---	---
Subtotal soil, sand, gravel, rock and stone	892	389	140	363	---
4310 building stone	127	47	80	---	---
4322 limestone	377	308	---	69	---
4323 gypsum	295	0	1	294	---
4331 sand & gravel	93	34	59	---	---
Subtotal iron ore and scrap	6	0	6	---	---
4410 iron ore	0	---	0	---	---
4420 iron & steel scrap	6	0	6	---	---
Subtotal marine shells	0	0	---	---	---
4515 marine shells	0	0	---	---	---
Subtotal non-ferrous ores and scrap	142	120	22	0	---
4630 copper ore	0	---	0	---	---
4650 aluminum ore	96	95	1	---	---

SAVANNAH HARBOR, GA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
4670 manganese ore	1	—	1	—	—
4680 non-ferrous scrap	20	8	12	0	—
4690 non-ferrous ores nec	26	17	9	—	—
Subtotal sulphur, clay and salt	2,742	17	2,594	—	131
4741 sulphur, (dry)	1	1	0	—	—
4782 clay & refrac. mat.	2,740	16	2,594	—	131
Subtotal slag	78	23	0	55	—
4860 slag	78	23	0	55	—
Subtotal other non-metal. min.	430	418	12	—	—
4900 non-metal. min. nec	430	418	12	—	—
Total primary manufactured goods	2,956	1,619	1,332	5	0
Subtotal paper products	1,250	37	1,209	4	—
5110 newsprint	31	0	31	—	—
5120 paper & paperboard	1,191	31	1,155	4	—
5190 paper products nec	28	5	23	—	—
Subtotal lime, cement and glass	738	693	45	0	—
5210 lime	0	—	0	—	—
5220 cement & concrete	553	550	3	—	—
5240 glass & glass prod.	41	18	23	—	—
5290 misc. mineral prod.	144	125	19	0	—
Subtotal primary iron and steel products	606	588	18	—	—
5312 pig iron	21	20	0	—	—
5315 ferro alloys	6	5	0	—	—
5320 i&s primary forms	6	3	3	—	—
5330 i&s plates & sheets	225	220	5	—	—
5360 i&s bars & shapes	277	275	2	—	—
5370 i&s pipe & tube	49	45	5	—	—
5390 primary i&s nec	21	19	2	—	—
Subtotal primary non-ferrous metal products	205	153	52	0	0
5421 copper	9	3	5	—	—
5422 aluminum	36	15	20	0	—
5429 smelted prod. nec	4	2	2	—	—
5480 fab. metal products	157	132	25	—	0
Subtotal primary wood products	158	148	9	—	—
5540 primary wood prod.	158	148	9	—	—
Total food and farm products	1,240	843	397	0	0
Subtotal fish	10	9	1	0	0
6134 fish (not shellfish)	8	8	0	—	—
6136 shellfish	2	1	1	—	0
Subtotal grain	9	3	6	—	—
6241 wheat	2	—	2	—	—
6344 corn	2	—	2	—	—
6442 rice	5	2	3	—	—
6447 sorghum grains	0	0	—	—	—
Subtotal oilseeds	47	16	32	—	—
6521 peanuts	46	15	30	—	—
6522 soybeans	0	0	0	—	—
6590 oilseeds nec	2	1	1	—	—
Subtotal vegetable products	140	107	33	—	—
6653 vegetable oils	93	85	8	—	—
6654 vegetables & prod.	47	22	25	—	—
Subtotal processed grain and animal feed	32	10	22	—	0
6746 wheat flour	1	0	1	—	0
6747 grain mill products	16	10	6	—	—
6781 hay & fodder	0	—	0	—	—
6782 animal feed, prep.	15	1	14	—	—
Subtotal other agricultural products	1,002	698	304	0	0
6811 meat, fresh, frozen	122	15	107	0	0
6817 meat, prepared	6	4	1	—	—
6822 dairy products	3	1	2	—	0
6835 fish, prepared	4	4	0	—	—
6838 tallow, animal oils	1	0	0	—	—
6839 animals & prod. nec	17	9	9	—	—
6856 bananas & plantains	55	55	0	—	—
6857 fruit & nuts nec	80	53	27	—	0
6858 fruit juices	70	31	40	—	0
6861 sugar	349	349	0	—	—
6865 molasses	1	0	1	—	—
6871 coffee	12	11	1	—	—
6872 cocoa beans	51	50	1	—	—
6885 alcoholic beverages	89	57	33	—	—
6888 water & ice	6	6	0	—	—
6889 food products nec	56	29	28	0	—
6891 tobacco & products	46	23	23	—	—
6893 cotton	31	0	31	—	—
6894 natural fibers nec	0	0	—	—	—
6899 farm products nec	2	1	2	—	—
Total all manufactured equipment, machinery and products	1,632	939	693	0	0
7110 machinery (not elec)	420	242	177	0	0
7120 electrical machinery	207	103	104	0	0
7210 vehicles & parts	182	54	127	—	0
7220 aircraft & parts	1	0	1	—	—
7230 ships & boats	4	1	4	—	—
7300 ordnance & access.	5	2	3	—	0
7400 manufac. wood prod.	23	19	4	—	—
7500 textile products	353	168	185	—	0
7600 rubber & plastic pr.	145	103	41	0	0
7900 manufac. prod. nec	293	246	47	0	0
Total unknown or not elsewhere classified	24	16	8	0	0
9900 unknown or nec	24	16	8	0	0

SAVANNAH HARBOR, GA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	3,227	2,175	724	6	141	182
Total petroleum and petroleum products	2,026	1,132	633	4	75	182
Subtotal petroleum products	2,026	1,132	633	4	75	182
2211 gasoline	449	445	—	4	—	—
2330 distillate fuel oil	765	593	165	—	5	3
2340 residual fuel oil	257	6	18	—	71	162
2350 lube oil & greases	27	27	—	—	—	—
2429 naphtha & solvents	23	—	23	—	—	—
2430 asphalt, tar & pitch	505	61	427	—	—	18
Total chemicals and related products	555	551	4	—	—	—
Subtotal fertilizers	14	14	—	—	—	—
3110 nitrogenous fert.	14	14	—	—	—	—
Subtotal other chemicals and related products	541	537	4	—	—	—
3219 other hydrocarbons	181	181	—	—	—	—
3271 sulphur (liquid)	38	38	—	—	—	—
3274 sodium hydroxide	323	319	4	—	—	—
Total primary manufactured goods	178	109	3	—	65	—
Subtotal lime, cement and glass	78	78	—	—	—	—
5220 cement & concrete	78	78	—	—	—	—
Subtotal primary non-ferrous metal products	34	31	3	—	—	—
5480 fab. metal products	34	31	3	—	—	—
Subtotal primary wood products	65	—	—	—	65	—
5540 primary wood prod.	65	—	—	—	65	—
Total food and farm products	374	374	—	—	—	—
Subtotal other agricultural products	374	374	—	—	—	—
6861 sugar	374	374	—	—	—	—
Total all manufactured equipment, machinery and products	95	10	83	2	—	—
7110 machinery (not elec)	2	—	—	2	—	—
7900 manufac. prod. nec	93	10	83	—	—	—

*Includes 86 (x1000) tons of foreign inbound in-transits; Includes 11 (x1000) tons of foreign outbound in-transits;
Includes 0 (x1000) tons of Canadian inbound in-transits.

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (SAVANNAH DISTRICT)

Section Included: Port Royal Sound, SC, includes Cumberland Sound, FL. Project Depth: 12 feet. Navigation Season: Entire Year.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	845	1991	531	1994	566	1997	382
1989	748	1992	404	1995	510		
1990	664	1993	682	1996	447		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic					
		Coastwise		Internal			
		Through		Inbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	380	5	1	3	4	309	58
Total petroleum and petroleum products	240	—	—	1	—	213	26
Subtotal petroleum products	240	—	—	1	—	213	26
2211 gasoline	7	—	—	—	—	7	—
2330 distillate fuel oil	7	—	—	1	—	6	—
2340 residual fuel oil	227	—	—	—	—	201	26
Total crude materials, inedible except fuels	33	—	—	—	—	30	3
Subtotal non-ferrous ores and scrap	30	—	—	—	—	30	—
4690 non-ferrous ores nec	30	—	—	—	—	30	—
Subtotal slag	3	—	—	—	—	—	3
4860 slag	3	—	—	—	—	—	3
Total primary manufactured goods	100	5	—	—	4	65	25
Subtotal lime, cement and glass	4	—	—	—	4	—	—
5290 misc. mineral prod.	4	—	—	—	4	—	—
Subtotal primary iron and steel products	25	—	—	—	—	—	25
5360 i&s bars & shapes	24	—	—	—	—	—	24
5370 i&s pipe & tube	0	—	—	—	—	—	0
Subtotal primary non-ferrous metal products	5	5	—	—	—	—	0
5480 fab. metal products	5	5	—	—	—	—	0

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER , FL (SAVANNAH DISTRICT)
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Domestic					
		Coastwise		Internal			
		Through		Inbound		Through	
	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	
Subtotal primary wood products	65	---	---	---	---	65	---
5540 primary wood prod.	65	---	---	---	---	65	---
Total food and farm products	2	---	---	2	0	0	---
Subtotal fish	2	---	---	2	0	0	---
6134 fish (not shellfish)	0	---	---	0	---	0	---
6136 shellfish	2	---	---	2	0	---	---
Total all manufactured equipment, machinery and products	5	0	1	---	0	---	3
7110 machinery (not elec)	3	---	1	---	---	---	2
7120 electrical machinery	0	0	---	---	---	---	---
7220 aircraft & parts	0	---	---	---	0	---	---
7600 rubber & plastic pr.	1	---	---	---	---	---	1
Ton-miles (x1000)	22,542	850	136	198	49	13,964	7,345

Tons All Traffic (x1000) **382**
Ton-miles All Traffic (x1000) **22,546**

BRUNSWICK HARBOR, GA

Section Included: From 32-foot contour in the ocean across the Barthrough St. Simon Sound, Brunswick River, and Turtle River to the upper end of the Allied Chemical Company's Wharf, formerly Atlantic Refining Company Wharf, 20.4 miles; from Brunswick River through East River, to the upper end of the project in Academy Creek, 2.7 miles; from St. Simon Sound through Back River to Mill Creek, the upper end of Back River improvement, 2.9 miles; from Back River through Terry Creek to the Glynn Canning Company's Wharf, 1.8 miles; a total distance of 27.8 miles. Project Depth: 32 feet over the bar; 30 feet in Brunswick, Turtle, and East Rivers to the Foot of Second Avenue; and 27 feet from Second Avenue to Academy Creek; 24 feet in Academy Creek; 20 feet in Back River, and 10 feet in Terry Creek. Navigation Season: Entire Year.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	2,161	1991	1,719	1994	1,626	1997	2,698
1989	2,246	1992	1,450	1995	2,002		
1990	1,978	1993	1,593	1996	2,063		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports*	Exports	Imports	Total	Internal	
						Upbound	Intra Upbound
Total, all commodities	2,698	1,482	986	45	185	183	2
Total coal	22	22	---	---	---	---	---
1100 coal lignite	22	22	---	---	---	---	---
Total petroleum and petroleum products	211	28	0	---	183	182	2
Subtotal petroleum products	211	28	0	---	183	182	2
2330 distillate fuel oil	0	---	0	---	---	---	---
2340 residual fuel oil	183	---	---	---	183	182	2
2429 naphtha & solvents	28	28	---	---	---	---	---
Total chemicals and related products	85	45	0	40	---	---	---
Subtotal fertilizers	74	42	---	32	---	---	---
3110 nitrogenous fert.	37	37	---	---	---	---	---
3130 potassic fert.	32	---	---	32	---	---	---
3190 fert. & mixes nec	4	4	---	---	---	---	---
Subtotal other chemicals and related products	11	3	0	8	---	---	---
3219 other hydrocarbons	0	---	0	---	---	---	---
3230 carboxylic acids	0	0	0	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---
3272 sulphuric acid	8	---	---	8	---	---	---
3274 sodium hydroxide	0	0	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	3	3	0	---	---	---	---
3276 metallic salts	0	0	---	---	---	---	---
3282 pigments & paints	0	---	0	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---
3286 plastics	0	0	0	---	---	---	---
3297 chemical additives	0	0	0	---	---	---	---
3299 chem. products nec	0	---	0	---	---	---	---
Total crude materials, inedible except fuels	1,550	937	608	5	---	---	---
Subtotal forest products, wood and chips	5	5	1	---	---	---	---
4150 fuel wood	5	5	---	---	---	---	---
4189 lumber	1	---	1	---	---	---	---
4190 forest products nec	0	0	0	---	---	---	---

BRUNSWICK HARBOR, GA
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports*	Exports	Imports	Total	Internal	
						Inbound Upbound	Intra Upbound
Subtotal pulp and waste paper	580	---	580	---	---	---	---
4225 pulp & waste paper	580	---	580	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	623	617	1	5	---	---	---
4322 limestone	241	241	---	---	---	---	---
4323 gypsum	381	376	---	5	---	---	---
4331 sand & gravel	1	---	1	---	---	---	---
Subtotal non-ferrous ores and scrap	17	6	11	---	---	---	---
4650 aluminum ore	6	6	---	---	---	---	---
4680 non-ferrous scrap	0	0	---	---	---	---	---
4690 non-ferrous ores nec	11	---	11	---	---	---	---
Subtotal sulphur, clay and salt	16	---	16	---	---	---	---
4782 clay & refrac. mat.	16	---	16	---	---	---	---
Subtotal other non-metal. min.	310	310	0	---	---	---	---
4900 non-metal. min. nec	310	310	0	---	---	---	---
Total primary manufactured goods	253	110	143	---	---	---	---
Subtotal paper products	132	0	131	---	---	---	---
5110 newsprint	6	---	6	---	---	---	---
5120 paper & paperboard	123	0	123	---	---	---	---
5190 paper products nec	3	0	3	---	---	---	---
Subtotal lime, cement and glass	94	94	0	---	---	---	---
5220 cement & concrete	93	93	---	---	---	---	---
5240 glass & glass prod.	0	0	0	---	---	---	---
5290 misc. mineral prod.	0	0	---	---	---	---	---
Subtotal primary iron and steel products	15	14	1	---	---	---	---
5330 i&s plates & sheets	9	9	---	---	---	---	---
5360 i&s bars & shapes	4	4	---	---	---	---	---
5370 i&s pipe & tube	3	1	1	---	---	---	---
5390 primary i&s nec	0	0	---	---	---	---	---
Subtotal primary non-ferrous metal products	1	1	0	---	---	---	---
5421 copper	0	---	0	---	---	---	---
5422 aluminum	0	0	---	---	---	---	---
5429 smelted prod. nec	0	0	---	---	---	---	---
5480 fab. metal products	1	1	0	---	---	---	---
Subtotal primary wood products	11	1	10	---	---	---	---
5540 primary wood prod.	11	1	10	---	---	---	---
Total food and farm products	292	138	153	---	0	0	---
Subtotal fish	1	---	0	---	0	0	---
6134 fish (not shellfish)	0	---	---	---	0	0	---
6136 shellfish	0	---	0	---	0	0	---
Subtotal grain	100	42	58	---	---	---	---
6241 wheat	47	---	47	---	---	---	---
6344 corn	11	---	11	---	---	---	---
6445 oats	42	42	---	---	---	---	---
Subtotal oilseeds	95	95	---	---	---	---	---
6522 soybeans	95	95	---	---	---	---	---
6590 oilseeds nec	0	0	---	---	---	---	---
Subtotal vegetable products	0	0	0	---	---	---	---
6653 vegetable oils	0	0	---	---	---	---	---
6654 vegetables & prod.	0	0	0	---	---	---	---
Subtotal processed grain and animal feed	94	0	94	---	---	---	---
6747 grain mill products	25	0	25	---	---	---	---
6782 animal feed, prep.	69	---	69	---	---	---	---
Subtotal other agricultural products	1	0	1	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---
6885 alcoholic beverages	0	0	---	---	---	---	---
6889 food products nec	0	0	---	---	---	---	---
Total all manufactured equipment, machinery and products	285	203	81	---	1	1	---
7110 machinery (not elec)	4	2	2	---	---	---	---
7120 electrical machinery	1	1	0	---	---	---	---
7210 vehicles & parts	277	199	78	---	---	---	---
7220 aircraft & parts	0	---	0	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---
7300 ordnance & access.	1	0	1	---	---	---	---
7500 textile products	1	1	0	---	---	---	---
7600 rubber & plastic pr.	2	0	0	---	1	1	---
7900 manufac. prod. nec	1	0	0	---	---	---	---
Total unknown or not elsewhere classified	0	---	0	---	---	---	---
9900 unknown or nec	0	---	0	---	---	---	---
Ton-miles (x1000)	10,871	5,928	3,943	180	821	819	2

Tons All Traffic (x1000) 2,698
Ton-miles All Traffic (x1000) 10,872

*Includes 7 (x1000) tons of foreign inbound in-transits.

Other Harbors and Waterways 1997

Harbor or Waterway Project	Commodity	Thousand Short Tons
ALTAMAHA RIVER, GA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	11
DARIEN HARBOR, GA	No Commerce Reported	
SATILLA RIVER, GA	6134 fish (not shellfish)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
SAVANNAH RIVER BELOW AUGUSTA, GA	6134 fish (not shellfish)	0
	6136 shellfish	0
	7110 machinery (not elec)	0
	Total Tons(x1000)	0
Total Ton-miles(x1000)	9	
ST. MARYS RIVER, GA AND FL	2340 residual fuel oil	60
	6136 shellfish	0
	Total Tons(x1000)	60
	Total Ton-miles(x1000)	302

FERNANDINA HARBOR, FL

Section Included: From the bar to the junction of Lanceford Creek with Amelia River. Controlling Depth: 46 feet in the entrance channel thence 32 feet in the inner channel to the Nassav Terminals. Constructed Project Depths: The entrance channel was deepened to 46 feet in connection with the construction of the F.B.M. Submarine Support Base At King's Bay, St. Mary's, Georgia. The Inner Harbor Channel authorized to the 32 foot project. Length of project is about 13 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	340	1991	367	1994	588	1997	533
1989	406	1992	379	1995	599		
1990	531	1993	520	1996	648		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports*	Exports*	Imports	Internal Receipts
Total, all commodities	533	44	365	3	122
Total coal	1	---	1	---	---
1100 coal lignite	1	---	1	---	---
Total petroleum and petroleum products	59	---	0	---	58
Subtotal petroleum products	59	---	0	---	58
2330 distillate fuel oil	0	---	0	---	---
2340 residual fuel oil	58	---	---	---	58
2350 lube oil & greases	0	---	0	---	---
2430 asphalt, tar & pitch	0	---	0	---	---
2540 petroleum coke	0	---	0	---	---
Total chemicals and related products	74	1	14	---	59
Subtotal fertilizers	0	---	0	---	---
3130 potassic fert.	0	---	0	---	---
3190 fert. & mixes nec	0	---	0	---	---
Subtotal other chemicals and related products	73	1	14	---	59
3219 other hydrocarbons	0	0	0	---	---
3220 alcohols	0	---	0	---	---
3230 carboxylic acids	0	---	0	---	---
3240 nitrogen func. comp.	0	---	0	---	---
3250 organo-inorganic comp.	1	---	1	---	---
3260 organic comp. nec	0	---	0	---	---
3272 sulphuric acid	0	---	0	---	---
3274 sodium hydroxide	59	---	0	---	59
3275 inorg. elem., oxides, & halogen salts	0	0	0	---	---
3276 metallic salts	1	---	1	---	---
3281 radioactive material	0	---	0	---	---
3282 pigments & paints	1	---	1	---	---
3283 coloring mat. nec	0	---	0	---	---
3284 medicines	0	---	0	---	---
3285 perfumes & cleansers	1	0	1	---	---
3286 plastics	6	---	6	---	---
3291 pesticides	0	---	0	---	---
3292 starches, gluten, glue	1	---	1	---	---
3293 explosives	0	---	0	---	---
3297 chemical additives	0	---	0	---	---
3298 wood & resin chem.	0	0	0	---	---
3299 chem. products nec	1	---	1	---	---
Total crude materials, inedible except fuels	57	2	54	0	---
Subtotal forest products, wood and chips	7	0	7	---	---
4110 rubber & gums	0	---	0	---	---
4150 fuel wood	0	---	0	---	---
4161 wood chips	0	---	0	---	---
4170 wood in the rough	5	---	5	---	---
4189 lumber	2	0	2	---	---
Subtotal pulp and waste paper	42	---	42	---	---
4225 pulp & waste paper	42	---	42	---	---
Subtotal soil, sand, gravel, rock and stone	0	---	0	---	---
4310 building stone	0	---	0	---	---
4331 sand & gravel	0	---	0	---	---
Subtotal marine shells	0	---	0	---	---
4515 marine shells	0	---	0	---	---
Subtotal non-ferrous ores and scrap	4	2	2	0	---
4650 aluminum ore	0	---	0	---	---
4680 non-ferrous scrap	2	2	---	0	---
4690 non-ferrous ores nec	2	---	2	---	---
Subtotal sulphur, clay and salt	1	---	1	---	---
4741 sulphur, (dry)	0	---	0	---	---
4782 clay & refrac. mat.	1	---	1	---	---
Subtotal other non-metal. min.	2	---	2	---	---
4900 non-metal. min. nec	2	---	2	---	---
Total primary manufactured goods	263	3	257	3	---
Subtotal paper products	252	1	248	3	---
5110 newsprint	3	---	0	3	---
5120 paper & paperboard	245	1	244	---	---
5190 paper products nec	4	---	4	---	---
Subtotal lime, cement and glass	3	0	3	---	---
5220 cement & concrete	0	---	0	---	---
5240 glass & glass prod.	0	---	0	---	---
5290 misc. mineral prod.	2	0	2	---	---
Subtotal primary iron and steel products	2	---	2	---	---
5312 pig iron	0	---	0	---	---

FERNANDINA HARBOR, FL
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports*	Exports*	Imports	Internal Receipts
5320 i&s primary forms	0	—	0	—	—
5330 i&s plates & sheets	1	—	1	—	—
5360 i&s bars & shapes	0	—	0	—	—
5370 i&s pipe & tube	0	—	0	—	—
5390 primary i&s nec	0	—	0	—	—
Subtotal primary non-ferrous metal products	5	2	4	—	—
5421 copper	0	—	0	—	—
5422 aluminum	2	2	0	—	—
5429 smelted prod. nec	0	—	0	—	—
5480 fab. metal products	3	0	3	—	—
Subtotal primary wood products	1	—	1	—	—
5540 primary wood prod.	1	—	1	—	—
Total food and farm products	34	14	16	—	4
Subtotal fish	5	0	0	—	4
6134 fish (not shellfish)	1	0	0	—	1
6136 shellfish	4	0	0	—	4
Subtotal grain	0	—	0	—	—
6344 corn	0	—	0	—	—
6445 oats	0	—	0	—	—
Subtotal oilseeds	1	—	1	—	—
6521 peanuts	1	—	1	—	—
6590 oilseeds nec	0	—	0	—	—
Subtotal vegetable products	0	—	0	—	—
6653 vegetable oils	0	—	0	—	—
6654 vegetables & prod.	0	—	0	—	—
Subtotal processed grain and animal feed	5	—	5	—	—
6746 wheat flour	1	—	1	—	—
6747 grain mill products	1	—	1	—	—
6781 hay & fodder	0	—	0	—	—
6782 animal feed, prep.	4	—	4	—	—
Subtotal other agricultural products	23	14	9	—	—
6811 meat, fresh, frozen	2	—	2	—	—
6817 meat, prepared	1	0	0	—	—
6822 dairy products	0	—	0	—	—
6835 fish, prepared	0	—	0	—	—
6839 animals & prod. nec	0	—	0	—	—
6856 bananas & plantains	3	3	0	—	—
6857 fruit & nuts nec	0	0	0	—	—
6858 fruit juices	2	—	2	—	—
6861 sugar	0	—	0	—	—
6871 coffee	9	9	0	—	—
6872 cocoa beans	0	—	0	—	—
6885 alcoholic beverages	1	0	1	—	—
6888 water & ice	0	—	0	—	—
6889 food products nec	4	1	3	—	—
6893 cotton	1	—	1	—	—
6899 farm products nec	0	—	0	—	—
Total all manufactured equipment, machinery and products	46	24	22	—	—
7110 machinery (not elec)	4	0	4	—	—
7120 electrical machinery	2	0	2	—	—
7210 vehicles & parts	25	23	2	—	—
7220 aircraft & parts	0	—	0	—	—
7230 ships & boats	1	—	1	—	—
7400 manufac. wood prod.	1	—	1	—	—
7500 textile products	8	0	8	—	—
7600 rubber & plastic pr.	2	0	2	—	—
7900 manufac. prod. nec	2	0	2	—	—
Total unknown or not elsewhere classified	1	0	1	—	—
9900 unknown or nec	1	0	1	—	—

*Includes 1 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits.

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (JACKSONVILLE DISTRICT)

Section Included: Fernandina Harbor, FL, to St. Johns River, 21.9 miles. Controlling Depth: Sawpit Creek 8 feet. Project Depth: 12 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	527	1991	351	1994	602	1997	468
1989	545	1992	359	1995	492		
1990	461	1993	532	1996	530		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic					
		Coastwise		Internal			
		Through		Inbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	468	6	56	117	4	256	28
Total petroleum and petroleum products	306	---	23	58	---	225	---
Subtotal petroleum products	306	---	23	58	---	225	---
2211 gasoline	9	---	3	---	---	7	---
2330 distillate fuel oil	2	---	---	---	---	2	---
2340 residual fuel oil	274	---	---	58	---	216	---
2430 asphalt, tar & pitch	20	---	20	---	---	---	---
Total chemicals and related products	92	---	32	59	---	---	---
Subtotal other chemicals and related products	92	---	32	59	---	---	---
3274 sodium hydroxide	92	---	32	59	---	---	---
Total crude materials, inedible except fuels	33	---	---	---	---	30	3
Subtotal non-ferrous ores and scrap	30	---	---	---	---	30	---
4690 non-ferrous ores nec	30	---	---	---	---	30	---
Subtotal slag	3	---	---	---	---	---	3
4860 slag	3	---	---	---	---	---	3
Total primary manufactured goods	31	6	---	---	---	---	25
Subtotal lime, cement and glass	1	1	---	---	---	---	---
5290 misc. mineral prod.	1	1	---	---	---	---	---
Subtotal primary iron and steel products	25	---	---	---	---	---	25
5360 i&s bars & shapes	24	---	---	---	---	---	24
5370 i&s pipe & tube	0	---	---	---	---	---	0
Subtotal primary non-ferrous metal products	5	5	---	---	---	---	0
5480 fab. metal products	5	5	---	---	---	---	0
Total food and farm products	5	0	0	---	4	---	---
Subtotal fish	4	---	---	---	4	---	---
6134 fish (not shellfish)	1	---	---	---	1	---	---
6136 shellfish	4	---	---	---	4	---	---
Subtotal other agricultural products	0	0	0	---	---	---	---
6811 meat, fresh, frozen	0	0	---	---	---	---	---
6822 dairy products	0	0	---	---	---	---	---
6887 groceries	0	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	1	0	1	---	---	---	---
7110 machinery (not elec)	1	---	1	---	---	---	---
7120 electrical machinery	0	0	---	---	---	---	---
Ton-miles (x1000)	11,714	159	1,462	2,698	13	6,647	735

Tons All Traffic (x1000) **468**
 Ton-miles All Traffic (x1000) **11,714**

JACKSONVILLE HARBOR, FL

Section Included: Atlantic Ocean to the Florida East Coast Railway Bridge at Jacksonville, 26.8 miles. Controlling Depth: 36 feet, Atlantic Ocean to Terminal Channel, mile 20, except for shoals in the outside quarter; thence 34 feet thru Terminal Channel, mile 20 to Commodore Point (Hart Bridge), except for shoals in the outside quarter. Project Depth: 42 feet U. S. Navy Entrance Bar Cut to intersection the Navy's Mayport Entrance channel, thence civil project depth of 38 feet to Terminal Channel (mile 20), thence 34 feet to Commodore Point (Hart Bridge), then 30 feet to Florida East Coast Railway Bridge. Length of Project is about 26.8 miles. The civil project depth of bar cut is 38 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	15,823	1991	16,364	1994	18,914	1997	18,186
1989	15,185	1992	17,209	1995	15,693		
1990	15,120	1993	18,850	1996	16,737		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	8,890	6,242	1,491	1,156	1
Total coal	1,332	1,332	0	—	—
1100 coal lignite	1,332	1,332	0	—	—
Total petroleum and petroleum products	2,785	2,712	14	59	—
Subtotal crude petroleum	23	23	—	—	—
2100 crude petroleum	23	23	—	—	—
Subtotal petroleum products	2,763	2,690	14	59	—
2211 gasoline	678	678	0	—	—
2221 kerosene	9	9	—	—	—
2330 distillate fuel oil	400	399	0	—	—
2340 residual fuel oil	1,162	1,102	0	59	—
2350 lube oil & greases	11	—	11	—	—
2410 petro. jelly & waxes	0	—	0	—	—
2429 naphtha & solvents	84	84	1	—	—
2430 asphalt, tar & pitch	0	—	0	—	—
2540 petroleum coke	418	417	0	—	—
2640 liquid natural gas	1	0	1	—	—
Total chemicals and related products	648	127	510	11	0
Subtotal fertilizers	175	0	175	—	—
3110 nitrogenous fert.	0	—	0	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	0	—	0	—	—
3190 fert. & mixes nec	174	0	174	—	—
Subtotal other chemicals and related products	473	127	335	11	0
3211 acyclic hydrocarbons	1	0	1	—	—
3212 benzene & toluene	0	—	0	—	—
3219 other hydrocarbons	2	0	2	—	0
3220 alcohols	6	1	5	—	—
3230 carboxylic acids	10	2	8	—	—
3240 nitrogen func. comp.	13	2	11	—	—
3250 organo-inorganic comp.	12	2	11	—	—
3260 organic comp. nec	4	0	4	—	—
3272 sulphuric acid	0	0	—	—	—
3273 ammonia	38	38	—	—	—
3274 sodium hydroxide	25	24	1	—	—
3275 inorg. elem., oxides, & halogen salts	91	6	85	—	—
3276 metallic salts	58	0	58	—	—
3279 inorganic chem. nec	3	2	0	—	—
3281 radioactive material	0	—	0	—	—
3282 pigments & paints	11	0	10	—	—
3283 coloring mat. nec	1	0	0	—	—
3284 medicines	3	0	3	—	—
3285 perfumes & cleansers	14	5	9	—	—
3286 plastics	117	31	86	—	—
3291 pesticides	15	7	8	—	—
3292 starches, gluten, glue	13	1	12	—	0
3293 explosives	0	—	0	—	—
3297 chemical additives	6	0	5	—	—
3298 wood & resin chem.	16	1	3	11	—
3299 chem. products nec	15	1	13	—	—
Total crude materials, inedible except fuels	1,596	443	69	1,084	—
Subtotal forest products, wood and chips	41	11	24	7	—
4110 rubber & gums	0	0	0	—	—
4150 fuel wood	5	—	5	—	—
4170 wood in the rough	2	0	2	—	—
4189 lumber	31	9	16	7	—
4190 forest products nec	2	2	0	—	—
Subtotal pulp and waste paper	85	59	26	—	—
4225 pulp & waste paper	85	59	26	—	—
Subtotal soil, sand, gravel, rock and stone	1,426	345	4	1,077	—
4310 building stone	0	0	0	—	—
4322 limestone	190	190	—	—	—
4323 gypsum	923	44	1	877	—
4327 phosphate rock	2	—	2	—	—
4331 sand & gravel	312	111	1	199	—
Subtotal iron ore and scrap	0	0	0	—	—
4420 iron & steel scrap	0	0	0	—	—
Subtotal non-ferrous ores and scrap	11	8	2	0	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	4	4	0	—	—
4680 non-ferrous scrap	5	4	1	0	—
4690 non-ferrous ores nec	2	—	2	—	—

JACKSONVILLE HARBOR, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Subtotal sulphur, clay and salt	10	0	10	---	---
4782 clay & refrac. mat.	10	0	10	---	---
Subtotal slag	7	7	---	---	---
4860 slag	7	7	---	---	---
Subtotal other non-metal. min.	16	14	3	---	---
4900 non-metal. min. nec	16	14	3	---	---
Total primary manufactured goods	941	771	169	0	1
Subtotal paper products	98	33	65	0	1
5110 newsprint	5	---	5	0	---
5120 paper & paperboard	81	29	51	---	1
5190 paper products nec	13	4	9	---	---
Subtotal lime, cement and glass	572	546	25	---	---
5210 lime	0	---	0	---	---
5220 cement & concrete	507	507	1	---	---
5240 glass & glass prod.	33	21	12	---	---
5290 misc. mineral prod.	31	18	13	---	---
Subtotal primary iron and steel products	182	173	9	---	---
5312 pig iron	3	0	3	---	---
5315 ferro alloys	7	7	0	---	---
5320 i&s primary forms	0	---	0	---	---
5330 i&s plates & sheets	24	23	1	---	---
5360 i&s bars & shapes	120	117	2	---	---
5370 i&s pipe & tube	20	18	2	---	---
5390 primary i&s nec	8	7	1	---	---
Subtotal primary non-ferrous metal products	79	16	62	---	0
5421 copper	0	0	0	---	---
5422 aluminum	56	2	54	---	---
5429 smelted prod. nec	1	1	0	---	---
5480 fab. metal products	20	12	8	---	0
Subtotal primary wood products	11	3	7	---	---
5540 primary wood prod.	11	3	7	---	---
Total food and farm products	678	303	374	1	1
Subtotal fish	9	6	3	---	---
6134 fish (not shellfish)	3	3	0	---	---
6136 shellfish	5	3	3	---	---
Subtotal grain	30	2	28	---	---
6344 corn	23	0	23	---	---
6442 rice	7	2	5	---	---
6447 sorghum grains	0	---	0	---	---
Subtotal oilseeds	17	6	11	---	---
6521 peanuts	13	5	7	---	---
6522 soybeans	3	---	3	---	---
6590 oilseeds nec	1	1	0	---	---
Subtotal vegetable products	18	7	11	---	0
6653 vegetable oils	2	0	2	---	0
6654 vegetables & prod.	16	7	9	---	---
Subtotal processed grain and animal feed	63	20	44	---	0
6746 wheat flour	0	---	0	---	---
6747 grain mill products	12	5	6	---	---
6781 hay & fodder	2	---	2	---	---
6782 animal feed, prep.	50	14	35	---	0
Subtotal other agricultural products	540	261	278	1	1
6811 meat, fresh, frozen	176	1	174	---	1
6817 meat, prepared	14	4	10	---	---
6822 dairy products	3	1	2	---	---
6835 fish, prepared	0	0	0	---	---
6838 tallow, animal oils	1	---	1	---	---
6839 animals & prod. nec	6	3	2	---	---
6856 bananas & plantains	77	77	0	---	---
6857 fruit & nuts nec	52	26	25	---	---
6858 fruit juices	38	25	12	1	---
6861 sugar	4	2	1	---	0
6865 molasses	20	20	---	---	---
6871 coffee	52	51	0	0	---
6872 cocoa beans	7	7	0	---	---
6885 alcoholic beverages	35	17	18	---	---
6888 water & ice	2	2	0	---	---
6889 food products nec	30	12	18	---	---
6891 tobacco & products	12	11	1	---	---
6893 cotton	4	0	4	---	---
6894 natural fibers nec	0	0	0	---	---
6899 farm products nec	8	0	8	0	---
Total all manufactured equipment, machinery and products	900	550	350	0	0
7110 machinery (not elec)	91	67	25	---	0
7120 electrical machinery	35	14	21	---	0
7210 vehicles & parts	555	391	165	0	0
7220 aircraft & parts	0	0	0	---	---
7230 ships & boats	6	0	5	0	---
7300 ordnance & access.	6	0	6	---	---
7400 manufac. wood prod.	8	2	6	---	---
7500 textile products	68	19	49	0	---
7600 rubber & plastic pr.	87	37	50	---	0
7900 manufac. prod. nec	44	21	23	---	0
Total unknown or not elsewhere classified	11	5	6	0	---
9900 unknown or nec	11	5	6	0	---

JACKSONVILLE HARBOR, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	9,296	5,513	2,221	2	924	635
Total coal	0	—	0	—	—	—
1200 coal coke	0	—	0	—	—	—
Total petroleum and petroleum products	6,009	4,504	11	—	863	632
Subtotal petroleum products	6,009	4,504	11	—	863	632
2211 gasoline	2,534	2,528	—	—	6	—
2221 kerosene	14	14	—	—	—	—
2330 distillate fuel oil	950	947	0	—	2	—
2340 residual fuel oil	2,092	606	—	—	854	632
2350 lube oil & greases	7	0	7	—	—	—
2410 petro. jelly & waxes	1	—	1	—	—	—
2429 naphtha & solvents	1	—	1	—	—	—
2430 asphalt, tar & pitch	166	166	0	—	—	—
2540 petroleum coke	242	242	0	—	—	—
2640 liquid natural gas	1	0	1	—	—	—
2990 petro. products nec	1	0	0	—	—	—
Total chemicals and related products	527	267	200	—	59	2
Subtotal fertilizers	12	0	12	—	—	—
3110 nitrogenous fert.	11	0	10	—	—	—
3120 phosphatic fert.	0	—	0	—	—	—
3130 potassic fert.	1	—	1	—	—	—
3190 fert. & mixes nec	1	—	1	—	—	—
Subtotal other chemicals and related products	515	267	188	—	59	2
3211 acyclic hydrocarbons	0	—	0	—	—	—
3212 benzene & toluene	0	—	0	—	—	—
3219 other hydrocarbons	1	0	1	—	—	0
3220 alcohols	7	1	6	—	—	—
3230 carboxylic acids	12	1	11	—	—	—
3240 nitrogen func. comp.	1	0	1	—	—	—
3250 organo-inorganic comp.	1	0	1	—	—	—
3260 organic comp. nec	3	0	3	—	—	—
3272 sulphuric acid	0	—	0	—	—	—
3273 ammonia	0	—	0	—	—	—
3274 sodium hydroxide	238	178	0	—	59	—
3275 inorg. elem. oxides, & halogen salts	19	2	18	—	—	—
3276 metallic salts	4	0	4	—	—	—
3279 inorganic chem. nec	1	—	1	—	—	—
3282 pigments & paints	13	0	13	—	—	—
3283 coloring mat. nec	1	—	1	—	—	—
3284 medicines	58	28	29	—	—	2
3285 perfumes & cleansers	66	16	50	—	—	—
3286 plastics	25	0	25	—	—	—
3291 pesticides	8	3	5	—	—	—
3292 starches, gluten, glue	5	0	5	—	—	—
3293 explosives	0	—	0	—	—	—
3297 chemical additives	0	—	0	—	—	—
3298 wood & resin chem.	21	15	7	—	—	—
3299 chem. products nec	28	22	6	—	—	—
Total crude materials, inedible except fuels	88	27	61	—	—	—
Subtotal forest products, wood and chips	46	6	41	—	—	—
4110 rubber & gums	5	3	2	—	—	—
4150 fuel wood	0	—	0	—	—	—
4161 wood chips	0	—	0	—	—	—
4170 wood in the rough	3	0	3	—	—	—
4189 lumber	30	1	28	—	—	—
4190 forest products nec	9	1	7	—	—	—
Subtotal pulp and waste paper	20	18	2	—	—	—
4225 pulp & waste paper	20	18	2	—	—	—
Subtotal soil, sand, gravel, rock and stone	10	—	10	—	—	—
4310 building stone	0	—	0	—	—	—
4322 limestone	2	—	2	—	—	—
4323 gypsum	6	—	6	—	—	—
4327 phosphate rock	0	—	0	—	—	—
4331 sand & gravel	2	—	2	—	—	—
Subtotal iron ore and scrap	2	2	0	—	—	—
4410 iron ore	0	—	0	—	—	—
4420 iron & steel scrap	2	2	0	—	—	—
Subtotal non-ferrous ores and scrap	4	2	2	—	—	—
4630 copper ore	0	—	0	—	—	—
4650 aluminum ore	1	—	1	—	—	—
4680 non-ferrous scrap	2	2	0	—	—	—
4690 non-ferrous ores nec	0	—	0	—	—	—
Subtotal sulphur, clay and salt	4	—	4	—	—	—
4782 clay & refrac. mat.	4	—	4	—	—	—
Subtotal other non-metal. min.	3	—	3	—	—	—
4900 non-metal. min. nec	3	—	3	—	—	—
Total primary manufactured goods	562	259	301	—	2	0
Subtotal paper products	175	12	163	—	—	—
5110 newsprint	3	—	3	—	—	—
5120 paper & paperboard	127	4	123	—	—	—
5190 paper products nec	45	8	37	—	—	—
Subtotal lime, cement and glass	232	184	46	—	2	—
5220 cement & concrete	183	181	2	—	—	—
5240 glass & glass prod.	18	2	16	—	—	—
5290 misc. mineral prod.	31	1	28	—	2	—
Subtotal primary iron and steel products	15	1	15	—	—	—
5312 pig iron	0	—	0	—	—	—
5320 i&s primary forms	0	—	0	—	—	—
5330 i&s plates & sheets	1	0	1	—	—	—

JACKSONVILLE HARBOR, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
5360 i&s bars & shapes	2	0	2	—	—	—
5370 i&s pipe & tube	9	0	9	—	—	—
5390 primary i&s nec	2	0	2	—	—	—
Subtotal primary non-ferrous metal products	117	63	53	—	—	0
5421 copper	2	0	2	—	—	—
5422 aluminum	12	1	11	—	—	—
5429 smelted prod. nec	0	0	0	—	—	—
5480 fab. metal products	103	62	41	—	—	0
Subtotal primary wood products	24	—	24	—	—	—
5540 primary wood prod.	24	—	24	—	—	—
Total food and farm products	798	158	636	2	—	2
Subtotal fish	7	2	3	2	—	—
6134 fish (not shellfish)	5	2	2	1	—	—
6136 shellfish	2	0	1	1	—	—
Subtotal grain	11	0	11	—	—	—
6344 corn	0	0	0	—	—	—
6442 rice	10	—	10	—	—	—
Subtotal oilseeds	16	5	11	—	—	—
6521 peanuts	0	—	0	—	—	—
6522 soybeans	1	—	1	—	—	—
6590 oilseeds nec	14	5	9	—	—	—
Subtotal vegetable products	84	4	80	—	—	—
6653 vegetable oils	13	0	13	—	—	—
6654 vegetables & prod.	71	4	67	—	—	—
Subtotal processed grain and animal feed	52	0	52	—	—	—
6746 wheat flour	3	—	3	—	—	—
6747 grain mill products	27	0	27	—	—	—
6781 hay & fodder	1	—	1	—	—	—
6782 animal feed, prep.	21	—	21	—	—	—
Subtotal other agricultural products	629	147	480	—	—	2
6811 meat, fresh, frozen	88	2	85	—	—	—
6817 meat, prepared	25	0	25	—	—	—
6822 dairy products	27	0	27	—	—	—
6835 fish, prepared	6	4	0	—	—	2
6838 tallow, animal oils	1	—	1	—	—	—
6839 animals & prod. nec	3	0	3	—	—	—
6857 fruit & nuts nec	93	42	51	—	—	—
6858 fruit juices	14	0	13	—	—	—
6861 sugar	13	0	13	—	—	—
6865 molasses	1	0	1	—	—	—
6871 coffee	4	2	2	—	—	—
6872 cocoa beans	0	0	0	—	—	—
6885 alcoholic beverages	87	13	73	—	—	—
6887 groceries	91	60	31	—	—	—
6888 water & ice	2	0	2	—	—	—
6889 food products nec	155	18	137	—	—	—
6891 tobacco & products	15	3	12	—	—	—
6893 cotton	0	0	0	—	—	—
6894 natural fibers nec	0	0	0	—	—	—
6899 farm products nec	2	0	2	—	—	—
Total all manufactured equipment, machinery and products	1,309	298	1,011	—	—	0
7110 machinery (not elec)	33	3	30	—	—	—
7120 electrical machinery	77	31	46	—	—	—
7210 vehicles & parts	93	4	89	—	—	—
7220 aircraft & parts	0	0	0	—	—	—
7230 ships & boats	0	—	0	—	—	—
7300 ordnance & access.	0	0	0	—	—	—
7400 manufac. wood prod.	9	0	8	—	—	0
7500 textile products	75	26	50	—	—	—
7600 rubber & plastic pr.	25	4	21	—	—	0
7800 empty containers	0	0	0	—	—	—
7900 manufac. prod. nec	996	229	767	—	—	0
Total waste and scrap nec	0	0	—	—	—	—
8900 waste and scrap nec	0	0	—	—	—	—
Total unknown or not elsewhere classified	1	0	0	—	—	—
9900 unknown or nec	1	0	0	—	—	—

*Includes 167 (x1000) tons of foreign inbound in-transits; Includes 27 (x1000) tons of foreign outbound in-transits;
Includes 0 (x1000) tons of Canadian inbound in-transits.

ST. JOHNS RIVER, FL JACKSONVILLE TO LAKE HARNEY

Section Included: Florida East Coast Railway Bridge at Jacksonville to Lake Harney, 186.4 miles: side channel to Enterprise, 2.7 miles. Controlling Depth: 11 feet, Jacksonville to United States Naval Air Station; 9 feet to Sanford; 8.7 feet in Enterprise Channel; 2 feet, Sanford to Lake Harney. Project Depth: 13 feet, Jacksonville to Palatka, 12 feet, Palatka to Sanford, 140.6 miles, and 12 feet in Enterprise Channel: 5 feet, Sanford to Lake Harney, 20.9 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	373	1991	891	1994	1,068	1997	640
1989	673	1992	823	1995	527		
1990	707	1993	1,220	1996	703		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise Shipments	Internal		
			Inbound Upbound	Outbound Downbnd	Through Upbound
Total, all commodities	640	1	440	31	168
Total petroleum and petroleum products	581	---	412	1	168
Subtotal petroleum products	581	---	412	1	168
2211 gasoline	1	---	---	1	---
2340 residual fuel oil	580	---	412	---	168
Total crude materials, inedible except fuels	33	---	3	30	---
Subtotal non-ferrous ores and scrap	30	---	---	30	---
4690 non-ferrous ores nec	30	---	---	30	---
Subtotal slag	3	---	3	---	---
4860 slag	3	---	3	---	---
Total primary manufactured goods	26	1	25	---	---
Subtotal lime, cement and glass	1	1	---	---	---
5290 misc. mineral prod.	1	1	---	---	---
Subtotal primary iron and steel products	25	---	25	---	---
5360 i&s bars & shapes	24	---	24	---	---
5370 i&s pipe & tube	0	---	0	---	---
Total food and farm products	0	---	---	0	---
Subtotal fish	0	---	---	0	---
6134 fish (not shellfish)	0	---	---	0	---
Ton-miles (x1000)	66,166	19	56,732	859	8,556

Tons All Traffic (x1000) **640**
 Ton-miles All Traffic (x1000) **66,166**

INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI, FL

Section Included: St. Johns River to Miami, FL, 349 miles. Controlling Centerline Depth: 9 feet, St. Johns River to Fort Pierce and 8 feet from Fort Pierce to Miami except for widely separated spot shoals in outside quarters. Project Depth: 12 feet, Jacksonville to Fort Pierce thence 10 feet to Miami, 349 miles.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	614	1991	713	1994	1,145	1997	424
1989	537	1992	765	1995	435		
1990	817	1993	1,029	1996	585		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Coastwise Through	
		Upbound	Downbnd
Total, all commodities	8	5	3
Total petroleum and petroleum products	2	---	2
Subtotal petroleum products	2	---	2
2340 residual fuel oil	0	---	0
2640 liquid natural gas	1	---	1
Total primary manufactured goods	5	5	---
Subtotal primary non-ferrous metal products	5	5	---
5480 fab. metal products	5	5	---
Total all manufactured equipment, machinery and products	1	0	1
7110 machinery (not elec)	1	---	1
7120 electrical machinery	0	0	---

INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Coastwise	
		Through	
		Upbound	Downbnd
7900 manufac. prod. nec	0	—	0
Ton-miles (x1000) Coastwise	1,840	1,461	379

Commodity	Total	Internal						
		Inbound		Outbound		Through		Intra
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound
Total, all commodities	415	223	2	6	117	52	14	2
Total petroleum and petroleum products	399	223	—	—	113	51	12	—
Subtotal petroleum products	399	223	—	—	113	51	12	—
2330 distillate fuel oil	2	—	—	—	—	2	—	—
2340 residual fuel oil	397	223	—	—	113	49	12	—
Total primary manufactured goods	12	—	1	4	5	—	2	—
Subtotal lime, cement and glass	11	—	0	4	4	—	2	—
5290 misc. mineral prod.	11	—	0	4	4	—	2	—
Subtotal primary non-ferrous metal products	0	—	0	—	0	—	—	—
5480 fab. metal products	0	—	0	—	0	—	—	—
Total food and farm products	5	0	1	2	—	1	—	2
Subtotal fish	5	0	1	2	—	1	—	2
6134 fish (not shellfish)	2	0	1	0	—	0	—	1
6136 shellfish	3	0	0	1	—	1	—	1
Ton-miles (x1000) Internal	5,120	669	77	22	388	3,187	745	31
Tons All Traffic (x1000)		424						
Ton-miles All Traffic (x1000)		6,987						

CANAVERAL HARBOR, FL

Section Included: Entrance Channel (Atlantic Ocean) to Barrier Beach inner channel and Turning Basins, thence a Barge canal through a lock in the perimeter dike and continuing to the Intracoastal Waterway, Jacksonville to Miami. Controlling Depth: 43 feet in entrance channel cut-1a and cut-1, thence 37 feet in inner channel cut-2 to Barrier Beach, thence 36 feet in inner channel to Civil Turning Basin of 35 feet, continuing along barge canal of 12 feet. Project Depths: 44 feet in the U. S. Navy entrance channel (Atlantic Ocean) to Barrier Beach inner channel intersection Navy's Trident Access channel, thence 43 feet for 0.13 mile, thence 36 feet to Civil Turning Basin of 35 feet and continuing along Barge Canal of 12 feet. Length of Project is about 15.4 miles. The Civil Project depth of entrance channel to Barrier Beach inner channel is 37 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	2,612	1991	3,004	1994	3,625	1997	3,147
1989	2,317	1992	2,968	1995	2,817		
1990	2,992	1993	3,454	1996	3,567		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports*		Imports*	Total	Coastwise	
				Receipts			Receipts	Shipments
Total, all commodities	3,147	1,033	555	277	1,281	931	126	223
Total petroleum and petroleum products	1,488	182	0	26	1,280	931	125	223
Subtotal petroleum products	1,488	182	0	26	1,280	931	125	223
2211 gasoline	427	59	—	—	368	368	—	—
2330 distillate fuel oil	160	21	—	—	140	140	—	—
2340 residual fuel oil	794	66	0	26	702	354	125	223
2350 lube oil & greases	0	—	0	—	—	—	—	—
2429 naphtha & solvents	37	37	0	—	—	—	—	—
2430 asphalt, tar & pitch	70	—	—	—	70	70	—	—
Total chemicals and related products	13	1	12	—	—	—	—	—
Subtotal fertilizers	7	—	7	—	—	—	—	—
3130 potassic fert.	0	—	0	—	—	—	—	—

CANAVERAL HARBOR, FL
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports*	Imports*	Total	Coastwise	Internal	
					Receipts	Receipts	Shipments	
3190 fert. & mixes nec	7	—	7	—	—	—	—	—
Subtotal other chemicals and related products	6	1	5	—	—	—	—	—
3220 alcohols	0	—	0	—	—	—	—	—
3230 carboxylic acids	0	—	0	—	—	—	—	—
3240 nitrogen func. comp.	0	—	0	—	—	—	—	—
3274 sodium hydroxide	0	—	0	—	—	—	—	—
3275 inorg. elem. oxides, & halogen salts	0	—	0	—	—	—	—	—
3276 metallic salts	2	—	2	—	—	—	—	—
3282 pigments & paints	0	—	0	—	—	—	—	—
3283 coloring mat. nec	0	—	0	—	—	—	—	—
3284 medicines	0	—	0	—	—	—	—	—
3285 perfumes & cleansers	1	1	1	—	—	—	—	—
3286 plastics	1	—	1	—	—	—	—	—
3291 pesticides	0	—	0	—	—	—	—	—
3292 starches, gluten, glue	0	—	0	—	—	—	—	—
3297 chemical additives	0	—	0	—	—	—	—	—
3299 chem. products nec	1	—	1	—	—	—	—	—
Total crude materials, inedible except fuels	584	275	235	73	—	—	—	—
Subtotal forest products, wood and chips	30	—	1	29	—	—	—	—
4170 wood in the rough	0	—	0	—	—	—	—	—
4189 lumber	30	—	1	29	—	—	—	—
Subtotal pulp and waste paper	16	—	16	—	—	—	—	—
4225 pulp & waste paper	16	—	16	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	45	—	0	45	—	—	—	—
4331 sand & gravel	45	—	0	45	—	—	—	—
Subtotal iron ore and scrap	215	—	215	—	—	—	—	—
4420 iron & steel scrap	215	—	215	—	—	—	—	—
Subtotal non-ferrous ores and scrap	2	—	2	—	—	—	—	—
4680 non-ferrous scrap	2	—	2	—	—	—	—	—
Subtotal sulphur, clay and salt	0	—	0	—	—	—	—	—
4782 clay & refrac. mat.	0	—	0	—	—	—	—	—
Subtotal slag	7	7	—	—	—	—	—	—
4860 slag	7	7	—	—	—	—	—	—
Subtotal other non-metal. min.	269	268	1	—	—	—	—	—
4900 non-metal. min. nec	269	268	1	—	—	—	—	—
Total primary manufactured goods	673	484	12	177	1	—	—	1
Subtotal paper products	198	12	9	177	—	—	—	—
5110 newsprint	188	12	—	177	—	—	—	—
5120 paper & paperboard	9	0	9	—	—	—	—	—
5190 paper products nec	0	—	0	—	—	—	—	—
Subtotal lime, cement and glass	474	472	2	—	1	—	—	1
5220 cement & concrete	473	472	2	—	—	—	—	—
5240 glass & glass prod.	0	—	0	—	—	—	—	—
5290 misc. mineral prod.	1	—	0	—	1	—	—	1
Subtotal primary iron and steel products	0	—	0	—	—	—	—	—
5315 ferro alloys	0	—	0	—	—	—	—	—
5320 i&s primary forms	0	—	0	—	—	—	—	—
5330 i&s plates & sheets	0	—	0	—	—	—	—	—
5360 i&s bars & shapes	0	—	0	—	—	—	—	—
5390 primary i&s nec	0	—	0	—	—	—	—	—
Subtotal primary non-ferrous metal products	1	0	0	—	—	—	—	—
5421 copper	0	—	0	—	—	—	—	—
5429 smelted prod. nec	0	—	0	—	—	—	—	—
5480 fab. metal products	1	0	0	—	—	—	—	—
Subtotal primary wood products	0	0	0	—	—	—	—	—
5540 primary wood prod.	0	0	0	—	—	—	—	—
Total food and farm products	379	90	288	0	1	—	1	—
Subtotal fish	1	—	0	—	1	—	1	—
6134 fish (not shellfish)	0	—	0	—	0	—	0	—
6136 shellfish	1	—	—	—	1	—	1	—
Subtotal grain	0	—	0	—	—	—	—	—
6442 rice	0	—	0	—	—	—	—	—
Subtotal vegetable products	1	0	0	—	—	—	—	—
6653 vegetable oils	0	—	0	—	—	—	—	—
6654 vegetables & prod.	0	0	0	—	—	—	—	—
Subtotal processed grain and animal feed	2	0	2	—	—	—	—	—
6746 wheat flour	0	—	0	—	—	—	—	—
6747 grain mill products	0	0	0	—	—	—	—	—
6781 hay & fodder	2	—	2	—	—	—	—	—
6782 animal feed, prep.	0	—	0	—	—	—	—	—

CANAVERAL HARBOR, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports*	Exports*	Imports*	Total	Coastwise	Internal
					Receipts	Receipts	Shipments
Subtotal other agricultural products	376	90	285	0	---	---	---
6811 meat, fresh, frozen	57	---	57	---	---	---	---
6817 meat, prepared	19	---	19	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---
6835 fish, prepared	1	---	1	---	---	---	---
6838 tallow, animal oils	2	---	2	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---
6856 bananas & plantains	46	46	---	---	---	---	---
6857 fruit & nuts nec	128	22	106	---	---	---	---
6858 fruit juices	114	22	92	0	---	---	---
6885 alcoholic beverages	0	0	0	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---
6893 cotton	8	---	8	---	---	---	---
Total all manufactured equipment, machinery and products	9	0	7	1	---	---	---
7110 machinery (not elec)	1	0	1	---	---	---	---
7120 electrical machinery	0	0	0	---	---	---	---
7210 vehicles & parts	3	---	3	---	---	---	---
7220 aircraft & parts	0	---	0	---	---	---	---
7230 ships & boats	2	---	0	1	---	---	---
7300 ordnance & access.	0	---	0	---	---	---	---
7400 manufac. wood prod.	0	0	0	---	---	---	---
7500 textile products	2	---	2	---	---	---	---
7600 rubber & plastic pr.	0	0	0	---	---	---	---
7900 manufac. prod. nec	1	0	1	---	---	---	---
Total unknown or not elsewhere classified	0	0	0	---	---	---	---
9900 unknown or nec	0	0	0	---	---	---	---

*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 1 (x1000) tons of foreign outbound in-transits; Includes 0 (x1000) tons of Canadian inbound in-transits.

PALM BEACH HARBOR, FL

Section Included: Atlantic Ocean to Port of Palm Beach Terminals, 1.7 miles; Lake Worth from Riviera Bridge to Southern Boulevard Bridge at West Palm Beach, 7.5 miles; and "Palm Beach, FL side channel and basin." Controlling Depth: 34 feet, ocean to turning basin at port of Palm Beach Terminals, and 33 feet in turning basin; except for shoals in the outside quarters; 12 feet in channel through Lake Worth; and 3 feet in Palm Beach side channel and basin. Project Depth: 35 feet in entrance channel from ocean merging with an inner channel 33 feet deep to and including turning basin at Port of Palm Beach Terminals.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	2,579	1991	2,075	1994	2,884	1997	2,922
1989	2,519	1992	2,646	1995	2,972		
1990	2,466	1993	2,816	1996	2,294		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports*	Exports*	Total	Coastwise	Internal
				Receipts	Receipts	Shipments
Total, all commodities	2,922	402	687	1,832	836	996
Total coal	0	---	0	---	---	---
1100 coal lignite	0	---	0	---	---	---
Total petroleum and petroleum products	853	0	16	836	836	---
Subtotal petroleum products	853	0	16	836	836	---
2211 gasoline	1	---	1	---	---	---
2330 distillate fuel oil	0	---	0	---	---	---
2340 residual fuel oil	836	---	0	836	836	---
2350 lube oil & greases	1	---	1	---	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---
2429 naphtha & solvents	2	0	2	---	---	---
2430 asphalt, tar & pitch	0	---	0	---	---	---
2540 petroleum coke	12	---	12	---	---	---
2640 liquid natural gas	0	---	0	---	---	---
Total chemicals and related products	94	9	85	---	---	---
Subtotal fertilizers	46	0	45	---	---	---
3110 nitrogenous fert.	7	0	7	---	---	---
3130 potassic fert.	0	---	0	---	---	---
3190 fert. & mixes nec	39	0	39	---	---	---
Subtotal other chemicals and related products	49	9	40	---	---	---
3211 acyclic hydrocarbons	0	---	0	---	---	---
3219 other hydrocarbons	0	0	0	---	---	---
3220 alcohols	13	2	11	---	---	---

PALM BEACH HARBOR, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports*	Exports*	Total	Coastwise	
					Receipts	Shipments
3230 carboxylic acids	1	1	0	---	---	---
3240 nitrogen func. comp.	1	0	0	---	---	---
3250 organo-inorganic comp.	0	0	0	---	---	---
3260 organic comp. nec	0	---	0	---	---	---
3272 sulphuric acid	0	---	0	---	---	---
3274 sodium hydroxide	0	0	0	---	---	---
3275 inorg. elem., oxides, & halogen salts	14	0	14	---	---	---
3276 metallic salts	1	0	0	---	---	---
3279 inorganic chem. nec	0	---	0	---	---	---
3281 radioactive material	0	---	0	---	---	---
3282 pigments & paints	2	0	2	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---
3284 medicines	1	0	0	---	---	---
3285 perfumes & cleansers	6	1	5	---	---	---
3286 plastics	4	1	3	---	---	---
3291 pesticides	1	0	0	---	---	---
3292 starches, gluten, glue	1	0	1	---	---	---
3293 explosives	0	---	0	---	---	---
3297 chemical additives	0	0	0	---	---	---
3298 wood & resin chem.	0	---	0	---	---	---
3299 chem. products nec	5	3	2	---	---	---
Total crude materials, inedible except fuels	50	19	31	---	---	---
Subtotal forest products, wood and chips	20	0	19	---	---	---
4150 fuel wood	0	---	0	---	---	---
4161 wood chips	4	---	4	---	---	---
4170 wood in the rough	3	---	3	---	---	---
4189 lumber	13	0	13	---	---	---
4190 forest products nec	0	0	0	---	---	---
Subtotal pulp and waste paper	2	---	2	---	---	---
4225 pulp & waste paper	2	---	2	---	---	---
Subtotal soil, sand, gravel, rock and stone	4	0	4	---	---	---
4310 building stone	0	0	0	---	---	---
4322 limestone	1	---	1	---	---	---
4323 gypsum	2	---	2	---	---	---
4331 sand & gravel	1	---	1	---	---	---
Subtotal iron ore and scrap	1	0	1	---	---	---
4420 iron & steel scrap	1	0	1	---	---	---
Subtotal non-ferrous ores and scrap	1	1	0	---	---	---
4630 copper ore	0	---	0	---	---	---
4680 non-ferrous scrap	1	1	0	---	---	---
4690 non-ferrous ores nec	0	0	0	---	---	---
Subtotal sulphur, clay and salt	0	0	0	---	---	---
4782 clay & refrac. mat.	0	0	0	---	---	---
Subtotal slag	17	17	---	---	---	---
4860 slag	17	17	---	---	---	---
Subtotal other non-metal. min.	6	1	5	---	---	---
4900 non-metal. min. nec	6	1	5	---	---	---
Total primary manufactured goods	335	269	66	---	---	---
Subtotal paper products	13	0	12	---	---	---
5110 newsprint	0	---	0	---	---	---
5120 paper & paperboard	7	0	6	---	---	---
5190 paper products nec	6	0	6	---	---	---
Subtotal lime, cement and glass	290	265	25	---	---	---
5210 lime	0	0	0	---	---	---
5220 cement & concrete	266	262	4	---	---	---
5240 glass & glass prod.	4	0	3	---	---	---
5290 misc. mineral prod.	21	3	18	---	---	---
Subtotal primary iron and steel products	16	2	15	---	---	---
5320 i&s primary forms	6	0	5	---	---	---
5330 i&s plates & sheets	1	1	0	---	---	---
5360 i&s bars & shapes	6	0	5	---	---	---
5370 i&s pipe & tube	2	0	2	---	---	---
5390 primary i&s nec	2	0	2	---	---	---
Subtotal primary non-ferrous metal products	12	2	10	---	---	---
5421 copper	0	0	0	---	---	---
5422 aluminum	1	---	1	---	---	---
5429 smelted prod. nec	0	0	0	---	---	---
5480 fab. metal products	11	2	9	---	---	---
Subtotal primary wood products	4	---	4	---	---	---
5540 primary wood prod.	4	---	4	---	---	---
Total food and farm products	1,472	69	408	996	---	996
Subtotal fish	3	2	1	---	---	---
6134 fish (not shellfish)	1	0	1	---	---	---
6136 shellfish	3	2	0	---	---	---
Subtotal grain	42	14	28	---	---	---
6241 wheat	0	---	0	---	---	---
6344 corn	14	---	14	---	---	---
6442 rice	27	14	13	---	---	---
6445 oats	0	---	0	---	---	---
6447 sorghum grains	0	---	0	---	---	---
Subtotal oilseeds	0	0	0	---	---	---
6521 peanuts	0	0	0	---	---	---
6522 soybeans	0	---	0	---	---	---
6590 oilseeds nec	0	---	0	---	---	---
Subtotal vegetable products	49	4	45	---	---	---
6653 vegetable oils	23	0	23	---	---	---
6654 vegetables & prod.	26	4	22	---	---	---
Subtotal processed grain and animal feed	53	1	52	---	---	---
6746 wheat flour	7	0	6	---	---	---
6747 grain mill products	5	0	5	---	---	---
6781 hay & fodder	0	---	0	---	---	---

PALM BEACH HARBOR, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports*	Exports*	Total	Coastwise	
					Receipts	Shipments
6782 animal feed, prep.	41	0	41	---	---	---
Subtotal other agricultural products	1,324	47	281	996	---	996
6811 meat, fresh, frozen	36	0	35	---	---	---
6817 meat, prepared	3	0	2	---	---	---
6822 dairy products	9	4	6	---	---	---
6835 fish, prepared	1	0	1	---	---	---
6838 tallow, animal oils	0	0	0	---	---	---
6839 animals & prod. nec	1	0	1	---	---	---
6856 bananas & plantains	1	0	0	---	---	---
6857 fruit & nuts nec	30	27	3	---	---	---
6858 fruit juices	15	3	12	---	---	---
6861 sugar	1,001	0	5	996	---	996
6865 molasses	161	---	161	---	---	---
6871 coffee	2	2	0	---	---	---
6872 cocoa beans	3	3	0	---	---	---
6885 alcoholic beverages	10	3	7	---	---	---
6888 water & ice	0	0	0	---	---	---
6889 food products nec	47	1	45	---	---	---
6891 tobacco & products	2	2	0	---	---	---
6893 cotton	0	0	0	---	---	---
6899 farm products nec	3	---	3	---	---	---
Total all manufactured equipment, machinery and products	110	34	76	---	---	---
7110 machinery (not elec)	13	2	11	---	---	---
7120 electrical machinery	9	1	8	---	---	---
7210 vehicles & parts	8	1	7	---	---	---
7220 aircraft & parts	0	---	0	---	---	---
7230 ships & boats	1	0	1	---	---	---
7300 ordnance & access.	0	---	0	---	---	---
7400 manufac. wood prod.	6	0	6	---	---	---
7500 textile products	53	26	28	---	---	---
7600 rubber & plastic pr.	5	0	4	---	---	---
7900 manufac. prod. nec	15	4	11	---	---	---
Total unknown or not elsewhere classified	7	2	5	---	---	---
9900 unknown or nec	7	2	5	---	---	---

*Includes 49 (x1000) tons of foreign inbound in-transits; Includes 41 (x1000) tons of foreign outbound in-transits.

PORT EVERGLADES HARBOR, FL

Section Included: Atlantic Ocean to terminals at Port Everglades, 1.7 miles; section of Intracoastal Waterway, Los Olas Boulevard Bridge, Fort Lauderdale, FL, to Washington Street, Hollywood, FL, 8.7 miles; Dania Cut-Off Canal, 6 miles; and "New River, FL" project, 7.9 miles. Controlling Depth: 45 feet in entrance channel; 42 feet through turning basin to main slip at Port Everglades; 10 feet in Intracoastal Waterway section; 8 feet in New River in 1956, and 6.5 in Dania Cut-Off Canal. Project Depth: 45 feet, Atlantic Ocean to south jetty converging to 42 feet at station 51, thence 42 to 31 feet to and including portions of turning basin at Port Everglades Terminal, and 8 feet in New River.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	14,207	1991	14,499	1994	18,135	1997	19,925
1989	14,685	1992	14,508	1995	18,367		
1990	14,145	1993	16,297	1996	18,897		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports*	Domestic				
		Imports*	Exports*		Total	Coastwise		Internal	
				Receipts		Shipments	Receipts		Shipments
Total, all commodities	19,925	6,030	1,839	97	11,959	11,431	475	39	15
Total coal	145	143	2	---	---	---	---	---	---
1100 coal lignite	145	143	2	---	---	---	---	---	---
1200 coal coke	0	---	0	---	---	---	---	---	---
Total petroleum and petroleum products	14,773	2,879	81	---	11,813	11,422	338	39	15
Subtotal crude petroleum	323	---	---	---	323	---	323	---	---
2100 crude petroleum	323	---	---	---	323	---	323	---	---
Subtotal petroleum products	14,450	2,879	81	---	11,490	11,422	15	39	15
2211 gasoline	9,273	341	0	---	8,932	8,932	---	---	---
2221 kerosene	1,930	1,930	0	---	---	---	---	---	---
2330 distillate fuel oil	1,662	---	58	---	1,604	1,603	---	2	---
2340 residual fuel oil	1,219	446	3	---	771	712	7	37	15
2350 lube oil & greases	8	0	8	---	---	---	---	---	---
2410 petro. jelly & waxes	2	1	1	---	---	---	---	---	---
2429 naphtha & solvents	40	36	3	---	---	---	---	---	---

PORT EVERGLADES HARBOR, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports*	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
2430 asphalt, tar & pitch	107	—	1	—	106	99	8	—	—
2540 petroleum coke	131	125	6	—	—	—	—	—	—
2640 liquid natural gas	78	0	1	—	77	77	—	—	—
Total chemicals and related products	255	99	157	0	—	—	—	—	—
Subtotal fertilizers	13	1	11	—	—	—	—	—	—
3110 nitrogenous fert.	1	0	1	—	—	—	—	—	—
3120 phosphatic fert.	0	—	0	—	—	—	—	—	—
3130 potassic fert.	1	0	0	—	—	—	—	—	—
3190 fert. & mixes nec	11	1	10	—	—	—	—	—	—
Subtotal other chemicals and related products	242	97	145	0	—	—	—	—	—
3211 acyclic hydrocarbons	0	0	0	—	—	—	—	—	—
3212 benzene & toluene	0	0	0	—	—	—	—	—	—
3219 other hydrocarbons	3	2	1	—	—	—	—	—	—
3220 alcohols	5	2	3	—	—	—	—	—	—
3230 carboxylic acids	13	5	9	—	—	—	—	—	—
3240 nitrogen func. comp.	5	3	2	—	—	—	—	—	—
3250 organo-inorganic comp.	2	0	1	—	—	—	—	—	—
3260 organic comp. nec	2	0	2	—	—	—	—	—	—
3271 sulphur (liquid)	0	—	0	—	—	—	—	—	—
3272 sulphuric acid	1	0	1	—	—	—	—	—	—
3273 ammonia	0	—	0	—	—	—	—	—	—
3274 sodium hydroxide	4	0	4	—	—	—	—	—	—
3275 inorganic elem., oxides, & halogen salts	16	8	8	—	—	—	—	—	—
3276 metallic salts	15	9	6	—	—	—	—	—	—
3279 inorganic chem. nec	3	2	1	—	—	—	—	—	—
3281 radioactive material	0	—	0	—	—	—	—	—	—
3282 pigments & paints	18	2	17	—	—	—	—	—	—
3283 coloring mat. nec	3	1	2	—	—	—	—	—	—
3284 medicines	10	4	6	—	—	—	—	—	—
3285 perfumes & cleansers	34	12	22	0	—	—	—	—	—
3286 plastics	72	35	37	—	—	—	—	—	—
3291 pesticides	11	5	6	—	—	—	—	—	—
3292 starches, gluten, glue	7	2	5	—	—	—	—	—	—
3293 explosives	1	0	1	—	—	—	—	—	—
3297 chemical additives	5	1	5	—	—	—	—	—	—
3298 wood & resin chem.	1	0	0	—	—	—	—	—	—
3299 chem. products nec	10	4	6	—	—	—	—	—	—
Total crude materials, inedible except fuels	461	205	160	96	—	—	—	—	—
Subtotal forest products, wood and chips	146	42	59	45	—	—	—	—	—
4110 rubber & gums	0	0	0	—	—	—	—	—	—
4150 fuel wood	4	3	0	—	—	—	—	—	—
4161 wood chips	2	0	2	—	—	—	—	—	—
4170 wood in the rough	8	1	6	—	—	—	—	—	—
4189 lumber	130	36	50	45	—	—	—	—	—
4190 forest products nec	2	1	1	—	—	—	—	—	—
Subtotal pulp and waste paper	51	0	51	—	—	—	—	—	—
4225 pulp & waste paper	51	0	51	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	97	56	11	30	—	—	—	—	—
4310 building stone	1	0	0	—	—	—	—	—	—
4322 limestone	0	—	0	—	—	—	—	—	—
4323 gypsum	90	55	5	30	—	—	—	—	—
4327 phosphate rock	0	—	0	—	—	—	—	—	—
4331 sand & gravel	5	0	5	—	—	—	—	—	—
Subtotal iron ore and scrap	27	2	25	—	—	—	—	—	—
4420 iron & steel scrap	27	2	25	—	—	—	—	—	—
Subtotal marine shells	0	0	0	—	—	—	—	—	—
4515 marine shells	0	0	0	—	—	—	—	—	—
Subtotal non-ferrous ores and scrap	52	51	1	—	—	—	—	—	—
4630 copper ore	0	—	0	—	—	—	—	—	—
4650 aluminum ore	20	20	0	—	—	—	—	—	—
4680 non-ferrous scrap	32	30	1	—	—	—	—	—	—

PORT EVERGLADES HARBOR, FL
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports*	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
4690 non-ferrous ores nec	0	0	0	—	—	—	—	—	—
Subtotal sulphur, clay and salt	7	0	7	—	—	—	—	—	—
4741 sulphur, (dry)	3	0	3	—	—	—	—	—	—
4782 clay & refrac. mat.	4	0	4	—	—	—	—	—	—
Subtotal slag	69	48	0	21	—	—	—	—	—
4860 slag	69	48	0	21	—	—	—	—	—
Subtotal other non-metal. min.	12	5	7	—	—	—	—	—	—
4900 non-metal. min. nec	12	5	7	—	—	—	—	—	—
Total primary manufactured goods	1,784	1,388	323	—	73	—	73	0	—
Subtotal paper products	164	43	121	—	—	—	—	—	—
5110 newsprint	6	0	6	—	—	—	—	—	—
5120 paper & paperboard	113	36	77	—	—	—	—	—	—
5190 paper products nec	45	7	38	—	—	—	—	—	—
Subtotal lime, cement and glass	1,314	1,226	88	—	—	—	—	—	—
5210 lime	3	3	0	—	—	—	—	—	—
5220 cement & concrete	1,118	1,107	11	—	—	—	—	—	—
5240 glass & glass prod.	43	25	19	—	—	—	—	—	—
5290 misc. mineral prod.	150	91	59	—	—	—	—	—	—
Subtotal primary iron and steel products	93	61	32	—	—	—	—	—	—
5312 pig iron	1	0	1	—	—	—	—	—	—
5315 ferro alloys	1	1	0	—	—	—	—	—	—
5320 i&s primary forms	2	0	2	—	—	—	—	—	—
5330 i&s plates & sheets	10	7	3	—	—	—	—	—	—
5360 i&s bars & shapes	68	50	18	—	—	—	—	—	—
5370 i&s pipe & tube	7	1	6	—	—	—	—	—	—
5390 primary i&s nec	5	2	3	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	170	38	59	—	73	—	73	0	—
5421 copper	3	1	2	—	—	—	—	—	—
5422 aluminum	15	8	7	—	—	—	—	—	—
5429 smelted prod. nec	2	1	1	—	—	—	—	—	—
5480 fab. metal products	150	28	49	—	73	—	73	0	—
Subtotal primary wood products	42	20	23	—	—	—	—	—	—
5540 primary wood prod.	42	20	23	—	—	—	—	—	—
Total food and farm products	1,355	903	453	0	—	—	—	—	—
Subtotal fish	71	57	14	—	—	—	—	—	—
6134 fish (not shellfish)	26	17	9	—	—	—	—	—	—
6136 shellfish	44	39	5	—	—	—	—	—	—
Subtotal grain	15	4	12	—	—	—	—	—	—
6241 wheat	0	—	0	—	—	—	—	—	—
6344 corn	8	0	8	—	—	—	—	—	—
6442 rice	7	4	3	—	—	—	—	—	—
6443 barley & rye	0	0	—	—	—	—	—	—	—
6445 oats	0	0	0	—	—	—	—	—	—
6447 sorghum grains	0	—	0	—	—	—	—	—	—
Subtotal oilseeds	18	17	1	—	—	—	—	—	—
6521 peanuts	5	5	1	—	—	—	—	—	—
6522 soybeans	0	0	0	—	—	—	—	—	—
6590 oilseeds nec	13	12	1	—	—	—	—	—	—
Subtotal vegetable products	146	81	65	—	—	—	—	—	—
6653 vegetable oils	18	1	16	—	—	—	—	—	—
6654 vegetables & prod.	128	80	48	—	—	—	—	—	—
Subtotal processed grain and animal feed	86	12	74	—	—	—	—	—	—
6746 wheat flour	7	0	7	—	—	—	—	—	—
6747 grain mill products	34	10	25	—	—	—	—	—	—
6781 hay & fodder	1	—	1	—	—	—	—	—	—
6782 animal feed, prep.	43	2	41	—	—	—	—	—	—
Subtotal other agricultural products	1,019	732	286	0	—	—	—	—	—
6811 meat, fresh, frozen	65	17	48	—	—	—	—	—	—
6817 meat, prepared	12	4	7	—	—	—	—	—	—
6822 dairy products	50	35	15	—	—	—	—	—	—
6835 fish, prepared	8	5	2	—	—	—	—	—	—
6838 tallow, animal oils	18	0	18	—	—	—	—	—	—
6839 animals & prod. nec	3	2	2	—	—	—	—	—	—

PORT EVERGLADES HARBOR, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports*	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
6856 bananas & plantains	60	60	0	—	—	—	—	—	—
6857 fruit & nuts nec	235	223	12	0	—	—	—	—	—
6858 fruit juices	61	40	20	0	—	—	—	—	—
6861 sugar	11	6	6	—	—	—	—	—	—
6865 molasses	0	—	0	—	—	—	—	—	—
6871 coffee	180	147	33	—	—	—	—	—	—
6872 cocoa beans	3	2	1	—	—	—	—	—	—
6885 alcoholic beverages	149	124	25	0	—	—	—	—	—
6888 water & ice	11	10	1	—	—	—	—	—	—
6889 food products nec	114	35	79	—	—	—	—	—	—
6891 tobacco & products	20	14	6	—	—	—	—	—	—
6893 cotton	5	3	3	—	—	—	—	—	—
6894 natural fibers nec	0	0	0	—	—	—	—	—	—
6899 farm products nec	12	5	7	—	—	—	—	—	—
Total all manufactured equipment, machinery and products	1,104	398	633	0	73	9	64	—	—
7110 machinery (not elec)	140	24	116	0	—	—	—	—	—
7120 electrical machinery	139	25	114	—	—	—	—	—	—
7210 vehicles & parts	136	60	76	0	—	—	—	—	—
7220 aircraft & parts	0	0	0	—	—	—	—	—	—
7230 ships & boats	11	6	5	0	—	—	—	—	—
7300 ordnance & access.	2	0	1	—	—	—	—	—	—
7400 manufac. wood prod.	35	11	24	—	—	—	—	—	—
7500 textile products	371	200	171	0	—	—	—	—	—
7600 rubber & plastic pr.	76	21	54	—	—	—	—	—	—
7900 manufac. prod. nec	194	50	71	—	73	9	64	—	—
Total unknown or not elsewhere classified	47	17	30	0	—	—	—	—	—
9900 unknown or nec	47	17	30	0	—	—	—	—	—

*Includes 554 (x1000) tons of foreign inbound in-transits; Includes 226 (x1000) tons of foreign outbound in-transits; Includes 0 (x1000) tons of Canadian inbound in-transits.

MIAMI HARBOR, FL

Section Included: Atlantic Ocean to inner end of turning basin at Miami, 6 miles; Meloy Channel and thence natural channels along the easterly side of Biscayne Bay to Bakers Haulover Inlet, FL, about 11 miles; channel from turning basin to mouth of Miami River, 1.1 miles; existing Florida East Coast Railway Channel, Fishermans Channel from mouth of Miami River to Government Cut, 3.8 miles; and the channels reported under "Miami River, FL." Controlling Depth: 38 feet in middle half of entrance channel and turning basin; about 19 feet in Meloy Channel, and thence 6.6 feet in natural channels along easterly side of Biscayne Bay to Bakers Haulover Inlet; about 12 feet in channel from turning basin to mouth of Miami River; and 6.4 feet in Florida East Coast Railway Channel; and the depths reported under "Miami River, FL." Project Depth: 38 feet in entrance channel, to beach line thence 36 feet to turning basin thence 34 feet in turning basin; 15 feet in channel from turning basin to mouth of Miami River; the channels reported under "Miami River, FL" and 8 feet in Florida East Coast Railway Channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	4,342	1991	4,720	1994	6,517	1997	6,612
1989	4,493	1992	6,451	1995	6,579		
1990	4,296	1993	6,696	1996	5,719		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	5,323	2,775	2,531	13	5
Total coal	4	0	4	—	—
1100 coal lignite	3	0	3	—	—
1200 coal coke	1	—	1	—	—
Total petroleum and petroleum products	198	162	35	0	1
Subtotal petroleum products	198	162	35	0	1
2211 gasoline	4	0	4	—	—
2221 kerosene	0	—	0	—	—
2330 distillate fuel oil	2	0	2	—	—
2340 residual fuel oil	163	157	6	—	—
2350 lube oil & greases	13	0	11	—	1

MIAMI HARBOR, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
2410 petro. jelly & waxes	3	2	1	—	—
2429 naphtha & solvents	9	2	8	0	—
2430 asphalt, tar & pitch	1	0	1	—	—
2540 petroleum coke	2	1	1	—	—
2640 liquid natural gas	1	0	1	—	—
Total chemicals and related products	328	106	222	1	0
Subtotal fertilizers	18	5	14	0	—
3110 nitrogenous fert.	1	0	1	0	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	0	0	0	—	—
3190 fert. & mixes nec	16	4	13	0	—
Subtotal other chemicals and related products	310	101	208	0	0
3211 acyclic hydrocarbons	0	0	0	—	—
3212 benzene & toluene	0	—	0	—	—
3219 other hydrocarbons	3	2	1	—	—
3220 alcohols	5	1	4	—	0
3230 carboxylic acids	7	4	3	—	—
3240 nitrogen func. comp.	8	3	4	—	0
3250 organo-inorganic comp.	4	1	3	—	—
3260 organic comp. nec	15	11	4	—	—
3271 sulphur (liquid)	0	—	0	—	—
3272 sulphuric acid	1	0	1	—	—
3273 ammonia	1	—	1	—	—
3274 sodium hydroxide	3	0	2	—	—
3275 inorg. elem., oxides, & halogen salts	25	9	16	0	—
3276 metallic salts	14	4	9	0	0
3279 inorganic chem. nec	1	1	1	—	—
3281 radioactive material	0	0	0	—	—
3282 pigments & paints	25	4	20	0	0
3283 coloring mat. nec	5	1	3	—	0
3284 medicines	9	3	6	0	0
3285 perfumes & cleansers	47	15	32	0	0
3286 plastics	86	25	61	0	0
3291 pesticides	8	4	5	—	—
3292 starches, gluten, glue	15	5	10	—	0
3293 explosives	2	2	0	—	—
3297 chemical additives	5	1	4	0	0
3298 wood & resin chem.	2	1	1	—	—
3299 chem. products nec	19	5	14	0	0
Total crude materials, inedible except fuels	447	184	262	0	1
Subtotal forest products, wood and chips	101	55	46	—	1
4110 rubber & gums	5	4	0	—	—
4150 fuel wood	1	1	0	—	—
4161 wood chips	1	—	1	—	—
4170 wood in the rough	5	0	5	—	—
4189 lumber	85	47	37	—	1
4190 forest products nec	4	2	3	—	0
Subtotal pulp and waste paper	88	0	88	—	—
4225 pulp & waste paper	88	0	88	—	—
Subtotal soil, sand, gravel, rock and stone	61	4	56	—	—
4310 building stone	4	3	1	—	—
4322 limestone	1	1	0	—	—
4323 gypsum	43	0	42	—	—
4327 phosphate rock	0	—	0	—	—
4331 sand & gravel	14	0	13	—	—
Subtotal iron ore and scrap	29	1	28	—	—
4410 iron ore	0	0	0	—	—
4420 iron & steel scrap	28	0	28	—	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	122	112	10	—	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	88	88	0	—	—
4670 manganese ore	0	—	0	—	—
4680 non-ferrous scrap	33	24	9	—	—
4690 non-ferrous ores nec	1	1	0	—	—
Subtotal sulphur, clay and salt	17	1	17	—	—
4741 sulphur, (dry)	1	0	1	—	—
4782 clay & refrac. mat.	17	1	16	—	—
Subtotal slag	4	4	0	—	—
4860 slag	4	4	0	—	—
Subtotal other non-metal. min.	25	8	17	0	—
4900 non-metal. min. nec	25	8	17	0	—
Total primary manufactured goods	1,066	732	331	2	0
Subtotal paper products	187	52	134	2	0
5110 newsprint	6	3	2	1	—
5120 paper & paperboard	133	39	94	0	0
5190 paper products nec	48	10	38	0	0
Subtotal lime, cement and glass	645	572	72	1	0
5210 lime	0	—	0	—	—
5220 cement & concrete	82	69	12	—	—
5240 glass & glass prod.	30	20	11	0	0
5290 misc. mineral prod.	532	483	49	1	0
Subtotal primary iron and steel products	49	21	27	—	0
5312 pig iron	3	0	2	—	—
5315 ferro alloys	2	1	0	—	—
5320 i&s primary forms	5	1	4	—	0
5330 i&s plates & sheets	13	10	3	—	0
5360 i&s bars & shapes	9	3	7	—	—
5370 i&s pipe & tube	10	2	8	—	—
5390 primary i&s nec	6	4	2	—	—

MIAMI HARBOR, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Subtotal primary non-ferrous metal products	150	71	78	0	0
5421 copper	7	1	5	—	—
5422 aluminum	19	8	11	—	—
5429 smelted prod. nec	5	3	1	—	—
5480 fab. metal products	119	58	60	0	0
Subtotal primary wood products	36	16	19	0	0
5540 primary wood prod.	36	16	19	0	0
Total food and farm products	1,530	847	674	8	1
Subtotal fish	76	71	5	0	—
6134 fish (not shellfish)	18	16	2	0	—
6136 shellfish	58	55	3	—	—
Subtotal grain	48	8	40	—	—
6241 wheat	1	0	1	—	—
6344 corn	9	2	7	—	—
6442 rice	35	5	30	—	—
6443 barley & rye	2	0	2	—	—
6445 oats	1	0	0	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	7	4	2	—	—
6521 peanuts	3	2	1	—	—
6522 soybeans	0	0	0	—	—
6590 oilseeds nec	3	2	2	—	—
Subtotal vegetable products	199	97	99	2	0
6653 vegetable oils	28	7	20	—	—
6654 vegetables & prod.	171	90	79	2	0
Subtotal processed grain and animal feed	104	16	88	1	—
6746 wheat flour	37	0	37	—	—
6747 grain mill products	39	14	24	1	—
6781 hay & fodder	0	0	0	—	—
6782 animal feed, prep.	28	1	26	—	—
Subtotal other agricultural products	1,097	651	440	5	1
6811 meat, fresh, frozen	37	6	29	2	—
6817 meat, prepared	5	1	4	0	—
6822 dairy products	41	24	16	0	1
6835 fish, prepared	9	6	3	0	—
6838 tallow, animal oils	2	0	2	0	—
6839 animals & prod. nec	4	1	2	—	—
6856 bananas & plantains	188	188	0	—	—
6857 fruit & nuts nec	243	88	155	0	0
6858 fruit juices	153	94	58	0	0
6861 sugar	3	1	2	—	0
6865 molasses	1	—	1	—	—
6871 coffee	116	92	24	0	—
6872 cocoa beans	4	4	0	—	—
6885 alcoholic beverages	93	76	17	0	0
6888 water & ice	25	24	1	—	—
6889 food products nec	128	28	100	1	0
6891 tobacco & products	14	9	6	0	—
6893 cotton	20	1	19	—	—
6894 natural fibers nec	1	1	0	—	—
6899 farm products nec	11	8	2	1	—
Total all manufactured equipment, machinery and products	1,686	721	962	2	1
7110 machinery (not elec)	257	79	176	0	0
7120 electrical machinery	290	74	215	0	0
7210 vehicles & parts	188	54	133	0	0
7220 aircraft & parts	1	0	0	—	0
7230 ships & boats	12	7	5	0	0
7300 ordnance & access.	1	0	1	—	0
7400 manufac. wood prod.	36	24	12	0	—
7500 textile products	493	257	236	0	0
7600 rubber & plastic pr.	137	60	77	0	0
7900 manufac. prod. nec	272	165	107	0	0
Total unknown or not elsewhere classified	63	22	41	0	0
9900 unknown or nec	63	22	41	0	0

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	1,289	808	105	12	363
Total petroleum and petroleum products	990	562	53	12	363
Subtotal petroleum products	990	562	53	12	363
2211 gasoline	6	6	—	—	—
2330 distillate fuel oil	94	91	2	—	2
2340 residual fuel oil	889	464	51	12	362
Total chemicals and related products	8	8	—	—	—
Subtotal fertilizers	0	0	—	—	—
3110 nitrogenous fert.	0	0	—	—	—
Subtotal other chemicals and related products	8	8	—	—	—
3211 acyclic hydrocarbons	0	0	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	—	—	—
3285 perfumes & cleansers	2	2	—	—	—
3286 plastics	1	1	—	—	—
3292 starches, gluten, glue	0	0	—	—	—
3299 chem. products nec	4	4	—	—	—

MIAMI HARBOR, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total crude materials, inedible except fuels	19	19	---	---	---
Subtotal forest products, wood and chips	17	17	---	---	---
4110 rubber & gums	0	0	---	---	---
4190 forest products nec	17	17	---	---	---
Subtotal pulp and waste paper	0	0	---	---	---
4225 pulp & waste paper	0	0	---	---	---
Subtotal iron ore and scrap	0	0	---	---	---
4420 iron & steel scrap	0	0	---	---	---
Subtotal non-ferrous ores and scrap	1	1	---	---	---
4680 non-ferrous scrap	1	1	---	---	---
Total primary manufactured goods	51	10	41	---	---
Subtotal paper products	3	3	0	---	---
5110 newsprint	0	0	---	---	---
5120 paper & paperboard	3	3	0	---	---
5190 paper products nec	0	0	---	---	---
Subtotal lime, cement and glass	2	2	---	---	---
5240 glass & glass prod.	1	1	---	---	---
5290 misc. mineral prod.	1	1	---	---	---
Subtotal primary iron and steel products	0	0	0	---	---
5360 i&s bars & shapes	0	0	0	---	---
5390 primary i&s nec	0	0	---	---	---
Subtotal primary non-ferrous metal products	46	5	41	---	---
5422 aluminum	1	1	---	---	---
5480 fab. metal products	45	4	41	---	---
Total food and farm products	58	58	0	1	---
Subtotal fish	1	0	---	1	---
6134 fish (not shellfish)	1	0	---	0	---
6136 shellfish	1	0	---	0	---
Subtotal oilseeds	5	5	---	---	---
6521 peanuts	1	1	---	---	---
6590 oilseeds nec	5	5	---	---	---
Subtotal vegetable products	1	1	0	---	---
6653 vegetable oils	0	---	0	---	---
6654 vegetables & prod.	1	1	0	---	---
Subtotal processed grain and animal feed	0	0	---	---	---
6747 grain mill products	0	0	---	---	---
Subtotal other agricultural products	50	50	0	---	---
6811 meat, fresh, frozen	4	4	---	---	---
6817 meat, prepared	1	1	---	---	---
6822 dairy products	1	1	---	---	---
6835 fish, prepared	1	1	---	---	---
6839 animals & prod. nec	0	0	---	---	---
6856 bananas & plantains	4	4	---	---	---
6857 fruit & nuts nec	2	2	---	---	---
6858 fruit juices	7	7	---	---	---
6861 sugar	0	---	0	---	---
6871 coffee	3	3	---	---	---
6872 cocoa beans	0	0	---	---	---
6885 alcoholic beverages	24	24	---	---	---
6888 water & ice	0	0	---	---	---
6889 food products nec	1	1	---	---	---
6891 tobacco & products	1	1	---	---	---
6899 farm products nec	0	0	---	---	---
Total all manufactured equipment, machinery and products	163	152	11	---	---
7110 machinery (not elec)	0	0	0	---	---
7120 electrical machinery	1	1	---	---	---
7210 vehicles & parts	0	0	0	---	---
7220 aircraft & parts	0	0	---	---	---
7400 manufac. wood prod.	0	0	---	---	---
7500 textile products	23	23	---	---	---
7600 rubber & plastic pr.	1	1	---	---	---
7900 manufac. prod. nec	138	127	11	---	---

*Includes 424 (x1000) tons of foreign inbound in-transits; Includes 183 (x1000) tons of foreign outbound in-transits;
Includes 9 (x1000) tons of Canadian inbound in-transits.

MIAMI RIVER, FL (INCLUDED IN TRAFFIC OF MIAMI HARBOR, FL)

Section Included: Mouth to N. W. 36th Street Bridge, 5.5 miles. Controlling Depth: 14 feet at mean low water from mouth to Miami Canal, and thence to 9 feet to N. W. 36th Street Bridge, 1.5 miles. Project Depth: 15 feet under flood conditions from mouth to a point 5.5 miles upstream.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	489	1991	586	1994	615	1997	723
1989	517	1992	680	1995	884		
1990	582	1993	739	1996	593		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			Internal Inbound Upbound
		Imports*	Exports*	Total	Coastwise		
					Receipts	Shipments	
Total, all commodities	723	93	487	143	92	50	1
Total coal	1	---	1	---	---	---	---
1100 coal lignite	0	---	0	---	---	---	---
1200 coal coke	0	---	0	---	---	---	---
Total petroleum and petroleum products	11	0	10	---	---	---	---
Subtotal petroleum products	11	0	10	---	---	---	---
2211 gasoline	0	---	0	---	---	---	---
2330 distillate fuel oil	1	---	1	---	---	---	---
2340 residual fuel oil	1	---	1	---	---	---	---
2350 lube oil & greases	2	---	2	---	---	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---	---
2429 naphtha & solvents	6	---	6	---	---	---	---
2430 asphalt, tar & pitch	0	---	0	---	---	---	---
2540 petroleum coke	1	0	0	---	---	---	---
2640 liquid natural gas	0	---	0	---	---	---	---
Total chemicals and related products	43	1	42	---	---	---	---
Subtotal fertilizers	4	0	3	---	---	---	---
3110 nitrogenous fert.	0	---	0	---	---	---	---
3120 phosphatic fert.	0	---	0	---	---	---	---
3190 fert. & mixes nec	3	0	3	---	---	---	---
Subtotal other chemicals and related products	39	0	39	---	---	---	---
3212 benzene & toluene	0	---	0	---	---	---	---
3219 other hydrocarbons	0	---	0	---	---	---	---
3220 alcohols	0	0	0	---	---	---	---
3230 carboxylic acids	1	---	1	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---
3250 organo-inorganic comp.	0	---	0	---	---	---	---
3260 organic comp. nec	1	---	1	---	---	---	---
3272 sulphuric acid	0	---	0	---	---	---	---
3273 ammonia	1	---	1	---	---	---	---
3274 sodium hydroxide	1	---	1	---	---	---	---
3275 inorg. elem. oxides, & halogen salts	4	---	4	---	---	---	---
3276 metallic salts	4	0	4	---	---	---	---
3279 inorganic chem. nec	0	---	0	---	---	---	---
3282 pigments & paints	4	---	4	---	---	---	---
3283 coloring mat. nec	1	0	1	---	---	---	---
3284 medicines	1	0	1	---	---	---	---
3285 perfumes & cleansers	5	0	5	---	---	---	---
3286 plastics	9	0	9	---	---	---	---
3291 pesticides	1	---	1	---	---	---	---
3292 starches, gluten, glue	2	0	2	---	---	---	---
3293 explosives	0	---	0	---	---	---	---
3297 chemical additives	1	---	1	---	---	---	---
3298 wood & resin chem.	0	0	0	---	---	---	---
3299 chem. products nec	2	0	2	---	---	---	---
Total crude materials, inedible except fuels	54	10	44	---	---	---	---
Subtotal forest products, wood and chips	28	5	23	---	---	---	---
4110 rubber & gums	0	---	0	---	---	---	---
4150 fuel wood	0	0	0	---	---	---	---
4170 wood in the rough	3	0	3	---	---	---	---
4189 lumber	25	5	20	---	---	---	---
4190 forest products nec	0	---	0	---	---	---	---
Subtotal pulp and waste paper	1	0	1	---	---	---	---
4225 pulp & waste paper	1	0	1	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	2	---	2	---	---	---	---
4310 building stone	0	---	0	---	---	---	---
4323 gypsum	1	---	1	---	---	---	---
4331 sand & gravel	1	---	1	---	---	---	---
Subtotal iron ore and scrap	12	0	12	---	---	---	---
4420 iron & steel scrap	12	0	12	---	---	---	---
Subtotal marine shells	0	0	---	---	---	---	---
4515 marine shells	0	0	---	---	---	---	---
Subtotal non-ferrous ores and scrap	2	2	0	---	---	---	---
4650 aluminum ore	0	---	0	---	---	---	---
4680 non-ferrous scrap	2	2	0	---	---	---	---
4690 non-ferrous ores nec	0	---	0	---	---	---	---
Subtotal sulphur, clay and salt	5	---	5	---	---	---	---
4782 clay & refrac. mat.	5	---	5	---	---	---	---

MIAMI RIVER, FL (INCLUDED IN TRAFFIC OF MIAMI HARBOR, FL)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			Internal Inbound Upbound
		Imports*	Exports*	Total	Coastwise		
					Receipts	Shipments	
Subtotal other non-metal. min.	5	3	2	---	---	---	---
4900 non-metal. min. nec	5	3	2	---	---	---	---
Total primary manufactured goods	118	9	65	44	3	41	---
Subtotal paper products	20	0	20	---	---	---	---
5110 newsprint	0	---	0	---	---	---	---
5120 paper & paperboard	14	0	14	---	---	---	---
5190 paper products nec	6	0	6	---	---	---	---
Subtotal lime, cement and glass	18	6	11	---	---	---	---
5210 lime	0	---	0	---	---	---	---
5220 cement & concrete	1	0	1	---	---	---	---
5240 glass & glass prod.	15	0	15	---	---	---	---
5290 misc. mineral prod.	15	6	9	---	---	---	---
Subtotal primary iron and steel products	8	1	7	---	---	---	---
5312 pig iron	0	---	0	---	---	---	---
5315 ferro alloys	0	---	0	---	---	---	---
5320 i&s primary forms	1	---	1	---	---	---	---
5330 i&s plates & sheets	1	---	1	---	---	---	---
5360 i&s bars & shapes	3	1	3	---	---	---	---
5370 i&s pipe & tube	2	---	2	---	---	---	---
5390 primary i&s nec	0	---	0	---	---	---	---
Subtotal primary non-ferrous metal products	63	1	18	44	3	41	---
5421 copper	2	0	2	---	---	---	---
5422 aluminum	4	0	4	---	---	---	---
5429 smelted prod. nec	0	---	0	---	---	---	---
5480 fab. metal products	57	1	11	44	3	41	---
Subtotal primary wood products	9	1	9	---	---	---	---
5540 primary wood prod.	9	1	9	---	---	---	---
Total food and farm products	178	20	158	1	---	---	1
Subtotal fish	6	5	0	1	---	---	1
6134 fish (not shellfish)	1	0	0	0	---	---	0
6136 shellfish	5	4	0	0	---	---	0
Subtotal grain	22	0	22	---	---	---	---
6241 wheat	1	---	1	---	---	---	---
6344 corn	1	---	1	---	---	---	---
6442 rice	20	---	20	---	---	---	---
Subtotal oilseeds	0	0	0	---	---	---	---
6521 peanuts	0	---	0	---	---	---	---
6590 oilseeds nec	0	0	0	---	---	---	---
Subtotal vegetable products	41	1	40	---	---	---	---
6653 vegetable oils	9	0	9	---	---	---	---
6654 vegetables & prod.	31	1	30	---	---	---	---
Subtotal processed grain and animal feed	49	0	49	---	---	---	---
6746 wheat flour	32	---	32	---	---	---	---
6747 grain mill products	11	0	11	---	---	---	---
6782 animal feed, prep.	7	---	7	---	---	---	---
Subtotal other agricultural products	61	14	47	---	---	---	---
6811 meat, fresh, frozen	5	0	5	---	---	---	---
6817 meat, prepared	2	0	2	---	---	---	---
6822 dairy products	1	0	1	---	---	---	---
6835 fish, prepared	0	---	0	---	---	---	---
6838 tallow, animal oils	0	---	0	---	---	---	---
6839 animals & prod. nec	0	0	0	---	---	---	---
6856 bananas & plantains	2	2	---	---	---	---	---
6857 fruit & nuts nec	5	3	2	---	---	---	---
6858 fruit juices	9	2	6	---	---	---	---
6861 sugar	2	---	2	---	---	---	---
6865 molasses	0	---	0	---	---	---	---
6871 coffee	1	1	0	---	---	---	---
6872 cocoa beans	0	0	0	---	---	---	---
6885 alcoholic beverages	7	3	3	---	---	---	---
6888 water & ice	0	0	0	---	---	---	---
6889 food products nec	24	1	23	---	---	---	---
6891 tobacco & products	1	0	1	---	---	---	---
6893 cotton	0	---	0	---	---	---	---
6894 natural fibers nec	0	---	0	---	---	---	---
6899 farm products nec	1	1	0	---	---	---	---
Total all manufactured equipment, machinery and products	306	52	156	98	89	9	---
7110 machinery (not elec)	24	1	23	---	---	---	---
7120 electrical machinery	23	0	23	---	---	---	---
7210 vehicles & parts	22	0	22	---	---	---	---
7220 aircraft & parts	0	---	0	---	---	---	---
7230 ships & boats	1	0	1	---	---	---	---
7300 ordnance & access.	0	---	0	---	---	---	---
7400 manufac. wood prod.	6	2	4	---	---	---	---
7500 textile products	100	43	57	---	---	---	---
7600 rubber & plastic pr.	12	1	10	---	---	---	---
7900 manufac. prod. nec	118	4	16	98	89	9	---

MIAMI RIVER, FL (INCLUDED IN TRAFFIC OF MIAMI HARBOR, FL)
 Freight Traffic, 1997 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			Internal Inbound Upbound
		Imports*	Exports*	Total	Coastwise		
					Receipts	Shipments	
Total unknown or not elsewhere classified	12	1	11	---	---	---	---
9900 unknown or nec	12	1	11	---	---	---	---
Ton-miles (x1000)	2,452	280	1,461	710	459	250	1
Tons All Traffic (x1000)	723						
Ton-miles All Traffic (x1000)	2,453						

*Includes 1 (x1000) tons of foreign inbound in-transits; Includes 19 (x1000) tons of foreign outbound in-transits.

INTRACOASTAL WATERWAY, MIAMI TO KEY WEST, FL

Section Included: Turning Basin at Miami to Key West, 158 miles. Controlling Depth: 4 feet from Cape Florida to Cross Bank, 55.6 miles; thence to Key West, 5 feet via natural channel among the Keys (this section not constructed). Project Depth: 7 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	432	1991	8	1994	664	1997	317
1989	393	1992	1	1995	293		
1990	305	1993	441	1996	267		

Freight Traffic, 1997 (thousand short tons)

Commodity	Grand Total	Internal
		Inbound Downbnd
Total, all commodities	317	317
Total petroleum and petroleum products	315	315
Subtotal petroleum products	315	315
2340 residual fuel oil	315	315
Total primary manufactured goods	0	0
Subtotal lime, cement and glass	0	0
5290 misc. mineral prod.	0	0
Total food and farm products	1	1
Subtotal fish	1	1
6134 fish (not shellfish)	1	1
6136 shellfish	0	0
Ton-miles (x1000)	7,602	7,602
Tons All Traffic (x1000)	317	
Ton-miles All Traffic (x1000)	7,618	

Other Harbors and Waterways 1997 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
KEY WEST HARBOR, FL - continued	7900 manufac. prod. nec 9900 unknown or nec	0 0
	Total Tons(x1000)	<hr/> 78
MELBOURNE HARBOR, FL	6134 fish (not shellfish) 6136 shellfish	0 2
	Total Tons(x1000)	<hr/> 2
NEW RIVER, FL (INCLUDED IN TRAFFIC OF PORT EVERGLADES HARBOR, FL)	No Commerce Reported	
OKLAWAHA RIVER, FL	No Commerce Reported	
PONCE DE LEON INLET, FL	5290 misc. mineral prod. 6134 fish (not shellfish) 6136 shellfish	9 0 0
	Total Tons(x1000)	<hr/> 9
	Total Ton-miles(x1000)	9
RICE CREEK, FL	2340 residual fuel oil	168
	Total Tons(x1000)	<hr/> 168
	Total Ton-miles(x1000)	671
ST. AUGUSTINE HARBOR, FL	6134 fish (not shellfish) 6136 shellfish	1 1
	Total Tons(x1000)	<hr/> 1
ST. LUCIE INLET, FL	6134 fish (not shellfish)	0
	Total Tons(x1000)	<hr/> 0
	Total Ton-miles(x1000)	0

ATLANTIC INTRACOASTAL WATERWAY (CONSOLIDATED REPORT) BETWEEN NORFOLK, VA AND THE ST. JOHNS RIVER, FL

Section Included: Norfolk, VA, to the St Johns River, FL, 739 miles. For controlling and project depths see tables of individual stretches listed separately.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1988	4,912	1991	4,708	1994	3,709	1997	3,590
1989	4,876	1992	3,705	1995	3,597		
1990	4,168	1993	3,784	1996	4,275		

Freight Traffic, 1997 (thousand short tons)

Commodity	Total	Coastwise	
		Through	Downbnd
		Upbound	Downbnd
Total, all commodities	62	6	56
Total petroleum and petroleum products	23	—	23
Subtotal petroleum products	23	—	23
2211 gasoline	3	—	3
2430 asphalt, tar & pitch	20	—	20
Total chemicals and related products	32	—	32
Subtotal other chemicals and related products	32	—	32
3274 sodium hydroxide	32	—	32
Total primary manufactured goods	6	6	—
Subtotal lime, cement and glass	1	1	—
5290 misc. mineral prod.	1	1	—
Subtotal primary non-ferrous metal products	5	5	—
5480 fab. metal products	5	5	—
Total food and farm products	0	0	0
Subtotal other agricultural products	0	0	0
6811 meat, fresh, frozen	0	0	—
6822 dairy products	0	0	—
6887 groceries	0	—	0
Total all manufactured equipment, machinery and products	1	0	1
7110 machinery (not elec)	1	—	1
7120 electrical machinery	0	0	—
Ton-miles (x1000)	5,922	3,867	2,055
Coastwise			

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	3,528	126	818	31	4	1,230	1,316	2	1
Total coal	5	—	—	—	—	—	5	—	—
1200 coal coke	5	—	—	—	—	—	5	—	—
Total petroleum and petroleum products	550	62	52	—	—	392	45	—	—
Subtotal petroleum products	550	62	52	—	—	392	45	—	—
2211 gasoline	58	2	52	—	—	5	—	—	—
2330 distillate fuel oil	7	1	—	—	—	6	—	—	—
2340 residual fuel oil	485	58	—	—	—	382	45	—	—
Total chemicals and related products	1,836	59	—	—	1	621	1,156	—	—
Subtotal fertilizers	1,160	—	—	—	1	344	815	—	—
3110 nitrogenous fert.	86	—	—	—	1	56	29	—	—
3120 phosphatic fert.	1,062	—	—	—	—	276	785	—	—
3190 fert. & mixes nec	12	—	—	—	—	12	—	—	—
Subtotal other chemicals and related products	676	59	—	—	—	276	341	—	—
3271 sulphur (liquid)	276	—	—	—	—	276	—	—	—
3274 sodium hydroxide	59	59	—	—	—	—	—	—	—

ATLANTIC INTRACOASTAL WATERWAY (CONSOLIDATED REPORT) BETWEEN NORFOLK, VA AND THE ST. JOHNS RIVER, FL
Freight Traffic, 1997 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
3275 inorg. elem., oxides, & halogen salts	341	---	---	---	---	---	341	---	---
Total crude materials, inedible except fuels	939	---	738	21	---	122	58	---	---
Subtotal forest products, wood and chips	113	---	---	21	---	92	---	---	---
4161 wood chips	100	---	---	8	---	92	---	---	---
4170 wood in the rough	13	---	---	13	---	---	---	---	---
4189 lumber	0	---	---	---	---	0	---	---	---
Subtotal soil, sand, gravel, rock and stone	738	---	738	---	---	---	---	---	---
4331 sand & gravel	738	---	738	---	---	---	---	---	---
Subtotal iron ore and scrap	55	---	---	---	---	---	55	---	---
4420 iron & steel scrap	55	---	---	---	---	---	55	---	---
Subtotal non-ferrous ores and scrap	30	---	---	---	---	30	---	---	---
4690 non-ferrous ores nec	30	---	---	---	---	30	---	---	---
Subtotal slag	3	---	---	---	---	---	3	---	---
4860 slag	3	---	---	---	---	---	3	---	---
Total primary manufactured goods	120	---	4	0	1	88	27	---	---
Subtotal lime, cement and glass	9	---	4	---	1	4	---	---	---
5290 misc. mineral prod.	9	---	4	---	1	4	---	---	---
Subtotal primary iron and steel products	25	---	---	---	---	---	25	---	---
5360 i&s bars & shapes	24	---	---	---	---	---	24	---	---
5370 i&s pipe & tube	0	---	---	---	---	---	0	---	---
Subtotal primary non-ferrous metal products	21	---	0	0	---	19	2	---	---
5480 fab. metal products	21	---	0	0	---	19	2	---	---
Subtotal primary wood products	65	---	---	---	---	65	---	---	---
5540 primary wood prod.	65	---	---	---	---	65	---	---	---
Total food and farm products	73	6	24	10	2	7	22	2	1
Subtotal fish	59	6	24	---	2	3	22	2	1
6134 fish (not shellfish)	35	1	12	---	1	1	19	0	0
6136 shellfish	24	5	11	---	1	2	3	1	1
Subtotal grain	6	---	---	1	---	4	---	---	---
6241 wheat	6	---	---	1	---	4	---	---	---
Subtotal oilseeds	8	---	---	8	---	---	---	---	---
6522 soybeans	8	---	---	8	---	---	---	---	---
Total all manufactured equipment, machinery and products	4	---	0	---	0	0	3	---	---
7110 machinery (not elec)	2	---	0	---	0	---	2	---	---
7220 aircraft & parts	0	---	0	---	---	---	---	---	---
7400 manufac. wood prod.	0	---	---	---	---	0	---	---	---
7600 rubber & plastic pr.	1	---	---	---	---	---	1	---	---
Ton-miles Internal (x1000)	279,147	3,447	7,425	2,006	360	152,663	113,170	38	38
Tons All Traffic (x1000)				3,590					
Ton-miles All Traffic (x1000)				285,070					

Section 2

Trips and Drafts of Vessels

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

BUCKSPORT HARBOR, ME

	Inbound						Outbound					
Grand												
Total	184	7	31	97	1	48	166	4	33	83	—	46

FOREIGN

Total	39	7	29	—	1	2	36	4	31	—	—	1
34	7	1	6	—	—	—	4	—	4	—	—	—
31	3	—	3	—	—	—	3	—	3	—	—	—
30	4	1	2	—	1	—	3	—	2	—	—	1
29	—	—	—	—	—	—	1	—	1	—	—	—
28	4	—	4	—	—	—	3	—	3	—	—	—
27	4	2	2	—	—	—	6	3	3	—	—	—
26	2	1	1	—	—	—	3	1	2	—	—	—
25	2	—	2	—	—	—	1	—	1	—	—	—
24	4	—	4	—	—	—	6	—	6	—	—	—
23	1	—	1	—	—	—	—	—	—	—	—	—
22	2	—	2	—	—	—	2	—	2	—	—	—
21	3	—	2	—	—	1	3	—	3	—	—	—
18	—	—	—	—	—	—	1	—	1	—	—	—
17	1	1	—	—	—	—	—	—	—	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
7	1	—	—	—	—	1	—	—	—	—	—	—

DOMESTIC

Total	145	—	2	97	—	46	130	—	2	83	—	45
33	1	—	—	—	—	1	—	—	—	—	—	—
32	—	—	—	—	—	—	1	—	—	1	—	—
29	1	—	—	1	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	1	—	—	—	—	1
25	1	—	—	—	—	1	2	—	—	—	—	2
24	12	—	—	—	—	12	—	—	—	—	—	—
22	4	—	—	—	—	4	—	—	—	—	—	—
20	—	—	—	—	—	—	1	—	—	—	—	1
18	3	—	—	—	—	3	1	—	—	—	—	1
17	4	—	—	1	—	3	2	—	—	1	—	1
16	2	—	—	—	—	2	4	—	—	—	—	4
15	6	—	—	5	—	1	12	—	1	7	—	4
14	23	—	—	22	—	1	23	—	1	16	—	6
13	34	—	—	32	—	2	22	—	—	20	—	2
12	21	—	—	20	—	1	27	—	—	22	—	5
11	4	—	—	4	—	—	5	—	—	4	—	1
9	4	—	—	4	—	—	5	—	—	4	—	1
8	2	—	—	2	—	—	2	—	—	2	—	—
6	—	—	—	—	—	—	2	—	—	—	—	2
5	—	—	—	—	—	—	2	—	—	—	—	2
4	2	—	2	—	—	—	—	—	—	—	—	—
3	15	—	—	—	—	15	12	—	—	—	—	12
2	6	—	—	6	—	—	6	—	—	6	—	—
										Total trips:		350

PENOBSCOT RIVER, ME

	Upbound						Downbound					
Grand												
Total	330	36	65	112	1	116	300	32	65	94	—	109

FOREIGN

Total	47	11	33	—	1	2	45	7	34	1	—	3
33	9	1	8	—	—	—	4	—	4	—	—	—
31	3	—	3	—	—	—	3	—	3	—	—	—
30	4	1	2	—	1	—	4	—	3	—	—	1
29	—	—	—	—	—	—	1	—	1	—	—	—
28	5	1	4	—	—	—	3	—	3	—	—	—
27	4	2	2	—	—	—	6	3	3	—	—	—
26	2	1	1	—	—	—	5	2	3	—	—	—
25	3	—	3	—	—	—	2	—	2	—	—	—
24	5	—	5	—	—	—	7	—	6	1	—	—
23	1	—	1	—	—	—	—	—	—	—	—	—
22	2	—	2	—	—	—	2	—	2	—	—	—
21	3	—	2	—	—	1	3	—	3	—	—	—
18	1	1	—	—	—	—	2	—	1	—	—	1
17	1	1	—	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PENOBSCOT RIVER, ME - continued

Upbound

Downbound

FOREIGN

16	1	1	—	—	—	—	—	—	—	—	—	—
15	—	—	—	—	—	—	1	1	—	—	—	—
≤ 12	3	2	—	—	—	1	2	1	—	—	—	1

DOMESTIC

Total	283	25	32	112	—	114	255	25	31	93	—	106
33	1	—	—	—	—	1	—	—	—	—	—	—
32	—	—	—	—	—	—	1	—	—	1	—	—
29	1	—	—	1	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	1	—	—	—	—	—
25	1	—	—	—	—	1	2	—	—	—	—	2
24	12	—	—	—	—	12	—	—	—	—	—	—
22	4	—	—	—	—	4	—	—	—	—	—	—
21	2	—	—	—	—	2	—	—	—	—	—	—
20	—	—	—	—	—	—	1	—	—	—	—	1
18	3	—	—	—	—	3	1	—	—	—	—	1
17	15	—	6	1	—	8	1	—	—	1	—	—
16	40	—	22	—	—	18	2	—	—	—	—	2
15	30	—	3	5	—	22	7	—	—	7	—	—
14	40	—	1	22	—	17	19	—	—	16	—	3
13	40	—	—	32	—	8	21	—	—	20	—	1
≤ 12	94	25	—	51	—	18	199	25	31	48	—	95
Total trips:											630	

SEARSPORT HARBOR, ME

Inbound

Outbound

Grand

Total	299	76	37	150	10	26	253	68	36	118	8	23
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FOREIGN

Total	120	76	36	—	5	3	111	68	35	1	4	3
42	—	—	—	—	—	—	1	1	—	—	—	—
38	2	—	2	—	—	—	—	—	—	—	—	—
36	3	1	2	—	—	—	—	—	—	—	—	—
35	4	3	1	—	—	—	3	2	1	—	—	—
34	7	4	3	—	—	—	4	2	2	—	—	—
33	18	7	10	—	1	—	13	4	9	—	—	—
32	10	1	9	—	—	—	9	2	7	—	—	—
30	4	2	—	—	2	—	3	2	—	—	1	—
29	4	3	1	—	—	—	2	2	—	—	—	—
28	2	2	—	—	—	—	2	1	1	—	—	—
27	3	2	1	—	—	—	1	—	1	—	—	—
26	15	11	4	—	—	—	20	15	5	—	—	—
25	4	1	2	—	—	1	3	—	3	—	—	—
24	11	9	1	—	1	—	16	10	5	—	1	—
23	2	1	—	—	—	1	4	2	1	—	1	—
22	1	1	—	—	—	—	2	2	—	—	—	—
21	3	3	—	—	—	—	1	1	—	—	—	—
20	—	—	—	—	—	—	2	2	—	—	—	—
19	4	3	—	—	1	—	3	2	—	—	—	1
≤ 18	23	22	—	—	—	1	22	18	—	1	1	2

DOMESTIC

Total	179	—	1	150	5	23	142	—	1	117	4	20
32	2	—	—	2	—	—	2	—	—	2	—	—
29	2	—	—	—	—	2	1	—	—	—	—	1
28	2	—	—	—	—	2	—	—	—	—	—	—
27	1	—	—	—	—	1	1	—	—	—	—	1
26	1	—	—	—	—	1	—	—	—	—	—	—
25	2	—	—	—	—	2	—	—	—	—	—	—
24	—	—	—	—	—	—	1	—	—	—	—	1
23	1	—	—	—	—	1	—	—	—	—	—	—
22	1	—	1	—	—	—	1	—	—	—	—	1
21	2	—	—	—	1	1	1	—	1	—	—	—
20	7	—	—	2	4	1	—	—	—	—	—	—
≤ 18	158	—	—	146	—	12	135	—	—	115	4	16
Total trips:											552	

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORTLAND HARBOR, ME

	Upbound						Downbound					
Grand Total	18,093	17,036	267	608	28	154	18,054	17,019	260	603	27	145

FOREIGN

Total	418	152	249	8	9	---	404	135	247	9	12	1
46	13	---	13	---	---	---	1	---	1	---	---	---
45	24	---	24	---	---	---	1	---	---	---	1	---
44	22	1	21	---	---	---	1	---	---	---	1	---
43	18	---	18	---	---	---	---	---	---	---	---	---
42	9	---	9	---	---	---	1	---	1	---	---	---
41	4	---	4	---	---	---	1	---	1	---	---	---
39	7	---	7	---	---	---	---	---	---	---	---	---
38	4	---	4	---	---	---	---	---	---	---	---	---
37	12	---	12	---	---	---	1	---	1	---	---	---
36	11	1	10	---	---	---	3	1	2	---	---	---
35	18	4	14	---	---	---	1	---	1	---	---	---
34	26	4	22	---	---	---	4	1	3	---	---	---
33	29	2	27	---	---	---	2	1	1	---	---	---
32	12	1	11	---	---	---	---	---	---	---	---	---
31	3	---	3	---	---	---	3	1	2	---	---	---
30	3	---	3	---	---	---	12	1	11	---	---	---
29	15	---	15	---	---	---	66	2	64	---	---	---
28	9	---	9	---	---	---	44	---	44	---	---	---
27	3	1	2	---	---	---	7	1	6	---	---	---
26	24	15	8	---	1	---	27	16	11	---	---	---
25	9	4	5	---	---	---	44	8	35	---	1	---
24	11	7	1	1	2	---	30	7	21	1	1	---
23	13	9	---	2	2	---	25	---	23	---	2	---
22	12	8	3	---	1	---	16	3	13	---	---	---
21	4	2	1	1	---	---	4	2	2	---	---	---
20	3	3	---	---	---	---	4	2	2	---	---	---
19	1	1	---	---	---	---	12	11	---	1	---	---
≤ 18	99	89	3	4	3	---	94	78	2	7	6	1

DOMESTIC

Total	17,675	16,884	18	600	19	154	17,650	16,884	13	594	15	144
36	4	---	4	---	---	---	---	---	---	---	---	---
35	1	---	1	---	---	---	---	---	---	---	---	---
33	2	---	2	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	1	---	1	---	---	---
28	9	---	1	---	---	8	---	---	---	---	---	---
27	2	---	---	---	---	2	---	---	---	---	---	---
26	5	---	1	---	---	4	2	---	---	---	---	2
25	5	---	1	---	---	4	1	---	---	---	---	1
24	2	---	---	---	---	2	---	---	---	---	---	---
23	6	---	---	---	---	6	---	---	---	---	---	---
22	17	---	---	---	---	17	---	---	---	---	---	---
21	13	---	---	---	2	11	---	---	---	---	---	---
20	29	---	---	---	15	14	8	---	3	---	---	5
19	9	---	---	---	---	9	---	---	---	---	---	---
≤ 18	17,571	16,884	8	600	2	77	17,638	16,884	9	594	15	136

Total trips: 36,147

PORTSMOUTH HARBOR, NH

	Upbound						Downbound					
Grand Total	1,310	1,078	58	61	19	94	1,306	1,082	55	61	17	91

FOREIGN

Total	141	68	54	5	8	6	141	72	50	2	6	11
36	11	1	10	---	---	---	1	1	---	---	---	---
35	15	6	9	---	---	---	1	1	---	---	---	---
34	27	18	9	---	---	---	2	1	1	---	---	---
33	10	9	1	---	---	---	---	---	---	---	---	---
32	10	8	2	---	---	---	2	2	---	---	---	---
31	2	2	---	---	---	---	1	1	---	---	---	---
30	3	1	2	---	---	---	3	1	2	---	---	---
29	8	---	8	---	---	---	2	---	2	---	---	---
28	2	---	2	---	---	---	8	4	4	---	---	---
27	2	---	2	---	---	---	2	1	1	---	---	---

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORTSMOUTH HARBOR, NH - continued

Upbound

Downbound

FOREIGN

26	3	1	2	—	—	—	9	1	8	—	—	—
25	4	—	4	—	—	—	6	5	1	—	—	—
24	10	—	2	1	4	3	32	9	19	—	2	2
23	4	2	1	—	—	1	9	7	2	—	—	—
22	2	1	—	—	1	—	16	10	6	—	—	—
21	—	—	—	—	—	—	3	2	1	—	—	—
20	3	1	—	—	2	—	4	2	—	—	—	2
19	—	—	—	—	—	—	1	—	1	—	—	—
≤ 18	25	18	—	4	1	2	39	24	2	2	4	7

DOMESTIC

Total	1,169	1,010	4	56	11	88	1,165	1,010	5	59	11	80
35	2	—	2	—	—	—	—	—	—	—	—	—
32	1	—	1	—	—	—	—	—	—	—	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
28	3	—	—	—	—	3	—	—	—	—	—	—
27	4	—	—	—	—	4	—	—	—	—	—	—
26	4	—	—	—	—	4	—	—	—	—	—	—
25	3	—	—	—	—	3	—	—	—	—	—	—
24	4	—	—	—	—	4	1	—	1	—	—	—
23	2	—	—	—	—	2	—	—	—	—	—	—
22	14	—	—	—	—	14	1	—	—	—	—	1
21	—	—	—	—	—	—	2	—	1	—	—	1
20	12	—	—	—	9	3	2	—	1	—	—	1
19	4	—	—	—	1	3	—	—	—	—	—	—
≤ 18	1,115	1,010	1	56	1	47	1,159	1,010	2	59	11	77

Total trips: 2,616

SALEM HARBOR, MA

Inbound

Outbound

Grand

Total	107	22	10	23	—	52	103	22	8	23	2	48
--------------	------------	-----------	-----------	-----------	----------	-----------	------------	-----------	----------	-----------	----------	-----------

FOREIGN

Total	20	13	7	—	—	—	23	13	6	2	2	—
34	10	10	—	—	—	—	—	—	—	—	—	—
33	2	2	—	—	—	—	—	—	—	—	—	—
32	2	—	2	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	1	—	1	—	—	—
29	2	—	2	—	—	—	1	1	—	—	—	—
28	2	—	2	—	—	—	1	1	—	—	—	—
27	—	—	—	—	—	—	1	1	—	—	—	—
26	1	1	—	—	—	—	6	3	3	—	—	—
25	1	—	1	—	—	—	1	1	—	—	—	—
24	—	—	—	—	—	—	7	5	2	—	—	—
22	—	—	—	—	—	—	1	1	—	—	—	—
≤ 18	—	—	—	—	—	—	4	—	—	2	2	—

DOMESTIC

Total	87	9	3	23	—	52	80	9	2	21	—	48
35	4	4	—	—	—	—	—	—	—	—	—	—
34	4	4	—	—	—	—	—	—	—	—	—	—
32	1	—	1	—	—	—	—	—	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
29	2	—	—	—	—	2	—	—	—	—	—	—
28	5	—	—	—	—	5	—	—	—	—	—	—
27	4	—	—	—	—	4	—	—	—	—	—	—
26	2	—	—	—	—	2	—	—	—	—	—	—
25	1	—	—	—	—	1	—	—	—	—	—	—
24	3	—	—	—	—	3	—	—	—	—	—	—
23	1	—	—	—	—	1	—	—	—	—	—	—
21	1	—	—	—	—	1	—	—	—	—	—	—
20	4	—	—	—	—	4	1	—	1	—	—	—
19	—	—	—	—	—	—	8	8	—	—	—	—
≤ 18	54	1	1	23	—	29	71	1	1	21	—	48

Total trips: 210

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT OF BOSTON, MA

	Inbound						Outbound					
Grand												
Total	13,052	10,600	381	681	253	1,137	13,075	10,644	387	644	273	1,127

FOREIGN

Total	690	361	317	6	6	—	707	367	322	9	7	2
42	1	—	1	—	—	—	—	—	—	—	—	—
41	1	1	—	—	—	—	—	—	—	—	—	—
40	8	5	3	—	—	—	5	5	—	—	—	—
39	22	19	3	—	—	—	11	10	1	—	—	—
38	15	3	12	—	—	—	5	3	2	—	—	—
37	20	4	16	—	—	—	4	1	3	—	—	—
36	66	15	51	—	—	—	25	17	8	—	—	—
35	47	7	40	—	—	—	18	11	7	—	—	—
34	34	13	21	—	—	—	13	10	3	—	—	—
33	56	15	41	—	—	—	30	14	16	—	—	—
32	33	15	18	—	—	—	29	15	14	—	—	—
31	12	6	6	—	—	—	8	4	4	—	—	—
30	10	3	7	—	—	—	13	6	7	—	—	—
29	48	2	46	—	—	—	17	3	14	—	—	—
28	9	3	4	—	2	—	12	4	8	—	—	—
27	25	17	8	—	—	—	19	3	16	—	—	—
26	26	15	9	1	1	—	25	12	13	—	—	—
25	10	6	3	—	1	—	28	10	18	—	—	—
24	49	41	7	1	—	—	149	36	110	2	1	—
23	11	10	1	—	—	—	21	15	6	—	—	—
22	16	15	1	—	—	—	30	13	15	1	1	—
21	49	49	—	—	—	—	76	59	17	—	—	—
20	12	10	2	—	—	—	18	11	7	—	—	—
19	4	4	—	—	—	—	5	5	—	—	—	—
≤ 18	106	83	17	4	2	—	146	100	33	6	5	2

DOMESTIC

Total	12,362	10,239	64	675	247	1,137	12,368	10,277	65	635	266	1,125
39	2	—	2	—	—	—	—	—	—	—	—	—
37	1	—	1	—	—	—	1	—	1	—	—	—
36	5	—	5	—	—	—	1	—	1	—	—	—
35	4	—	4	—	—	—	—	—	—	—	—	—
34	2	—	2	—	—	—	—	—	—	—	—	—
33	4	—	4	—	—	—	—	—	—	—	—	—
32	2	—	2	—	—	—	1	—	1	—	—	—
31	—	—	—	—	—	—	2	—	2	—	—	—
30	2	—	—	—	—	2	29	27	—	—	1	1
29	4	—	1	—	—	3	—	—	—	—	—	—
28	18	—	—	—	—	18	3	—	1	—	—	2
27	19	—	1	—	8	10	2	1	1	—	—	—
26	14	—	—	—	3	11	4	1	1	—	1	1
25	30	—	1	—	1	28	10	—	4	—	2	4
24	41	—	—	1	1	39	4	—	—	1	1	2
23	21	—	—	—	—	21	1	—	—	—	—	1
22	35	—	—	—	3	32	12	—	1	—	1	10
21	34	—	—	—	7	27	8	—	4	—	1	3
20	52	—	—	3	4	45	18	—	1	3	3	11
19	34	—	—	—	1	33	5	—	—	—	2	3
≤ 18	12,038	10,239	41	671	219	868	12,267	10,248	47	631	254	1,087
									Total trips:			26,127

MAIN WATERFRONT (PORT OF BOSTON)

	Upbound						Downbound					
Grand												
Total	10,075	9,552	170	161	13	179	10,055	9,551	154	169	8	173

FOREIGN

Total	490	314	166	5	5	—	477	312	153	7	4	1
42	1	—	1	—	—	—	—	—	—	—	—	—
41	1	1	—	—	—	—	—	—	—	—	—	—
40	8	5	3	—	—	—	5	5	—	—	—	—
39	21	18	3	—	—	—	11	10	1	—	—	—
38	11	3	8	—	—	—	4	3	1	—	—	—
37	11	3	8	—	—	—	3	1	2	—	—	—
36	46	15	31	—	—	—	18	11	7	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

MAIN WATERFRONT (PORT OF BOSTON) - continued
Upbound

Downbound

FOREIGN

35	24	6	18	—	—	—	14	11	3	—	—	—
34	23	9	14	—	—	—	8	8	—	—	—	—
33	30	12	18	—	—	—	23	13	10	—	—	—
32	20	15	5	—	—	—	20	15	5	—	—	—
31	8	6	2	—	—	—	4	3	1	—	—	—
30	4	2	2	—	—	—	9	6	3	—	—	—
29	27	1	26	—	—	—	10	2	8	—	—	—
28	5	3	—	—	2	—	6	4	2	—	—	—
27	20	15	5	—	—	—	12	2	10	—	—	—
26	21	15	4	1	1	—	19	11	8	—	—	—
25	6	5	1	—	—	—	14	10	4	—	—	—
24	43	40	3	—	—	—	80	33	46	1	—	—
23	9	9	—	—	—	—	18	14	4	—	—	—
22	8	7	1	—	—	—	19	9	8	1	1	—
21	40	40	—	—	—	—	54	50	4	—	—	—
20	5	5	—	—	—	—	8	5	3	—	—	—
19	1	1	—	—	—	—	—	—	—	—	—	—
≤ 18	97	78	13	4	2	—	118	86	23	5	3	1

DOMESTIC

Total	9,585	9,238	4	156	8	179	9,578	9,239	1	162	4	172
39	1	—	1	—	—	—	—	—	—	—	—	—
35	1	—	1	—	—	—	—	—	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	27	26	—	—	—	1
28	1	—	—	—	—	1	—	—	—	—	—	—
27	—	—	—	—	—	—	1	1	—	—	—	—
26	1	—	1	—	—	—	1	1	—	—	—	—
25	3	—	—	—	—	3	2	—	1	—	—	1
23	1	—	—	—	—	1	—	—	—	—	—	—
21	2	—	—	—	—	2	—	—	—	—	—	—
19	2	—	—	—	—	2	—	—	—	—	—	—
≤ 18	9,572	9,238	—	156	8	170	9,547	9,211	—	162	4	170

Total trips: 20,130

CHELSEA RIVER, MA

Upbound

Downbound

Grand

Total	1,065	136	118	312	1	498	1,025	131	134	283	3	474
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FOREIGN

Total	100	9	89	1	1	—	125	12	107	2	3	1
38	4	—	4	—	—	—	—	—	—	—	—	—
37	6	1	5	—	—	—	1	—	1	—	—	—
36	10	—	10	—	—	—	1	—	1	—	—	—
35	11	1	10	—	—	—	3	—	3	—	—	—
34	10	4	6	—	—	—	2	—	2	—	—	—
33	16	3	13	—	—	—	4	—	4	—	—	—
32	9	—	9	—	—	—	5	—	5	—	—	—
30	1	—	1	—	—	—	2	—	2	—	—	—
29	15	—	15	—	—	—	5	—	5	—	—	—
28	2	—	2	—	—	—	4	—	4	—	—	—
27	1	—	1	—	—	—	4	1	3	—	—	—
26	4	—	4	—	—	—	5	1	4	—	—	—
25	3	—	2	—	1	—	6	—	6	—	—	—
24	4	—	3	1	—	—	48	3	43	1	1	—
23	—	—	—	—	—	—	1	—	1	—	—	—
22	—	—	—	—	—	—	5	1	4	—	—	—
21	—	—	—	—	—	—	8	—	8	—	—	—
20	2	—	2	—	—	—	3	—	3	—	—	—
≤ 18	2	—	2	—	—	—	18	6	8	1	2	1

DOMESTIC

Total	965	127	29	311	—	498	900	119	27	281	—	473
37	1	—	1	—	—	—	—	—	—	—	—	—
36	1	—	1	—	—	—	—	—	—	—	—	—
35	2	—	2	—	—	—	—	—	—	—	—	—
33	2	—	2	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CHELSEA RIVER, MA - continued

	Upbound						Downbound					
DOMESTIC												
32	2	—	2	—	—	—	—	—	—	—	—	—
30	1	—	—	—	—	1	—	—	—	—	—	—
29	3	—	1	—	—	2	—	—	—	—	—	—
28	7	—	—	—	—	7	2	—	1	—	—	1
27	3	—	—	—	—	3	1	—	1	—	—	—
26	9	—	1	—	—	8	1	—	—	—	—	1
25	23	—	1	—	—	22	1	—	—	—	—	1
24	28	—	—	—	—	28	2	—	—	—	—	2
23	15	—	—	—	—	15	—	—	—	—	—	—
22	21	—	—	—	—	21	2	—	—	—	—	2
21	23	—	—	—	—	23	5	—	3	—	—	2
20	40	—	—	—	—	40	9	—	1	2	—	6
19	24	—	—	—	—	24	1	—	—	—	—	1
≤ 18	760	127	18	311	—	304	876	119	21	279	—	457
										Total trips:		2,090

MYSTIC RIVER, MA

	Upbound						Downbound					
Grand												
Total	606	154	33	109	235	75	589	158	22	88	253	68
FOREIGN												
Total	64	37	27	—	—	—	59	41	18	—	—	—
39	1	1	—	—	—	—	—	—	—	—	—	—
38	—	—	—	—	—	—	1	—	1	—	—	—
37	3	—	3	—	—	—	—	—	—	—	—	—
36	3	—	3	—	—	—	6	6	—	—	—	—
35	9	—	9	—	—	—	1	—	1	—	—	—
34	1	—	1	—	—	—	3	2	1	—	—	—
33	2	—	2	—	—	—	2	1	1	—	—	—
32	1	—	1	—	—	—	1	—	1	—	—	—
31	1	—	1	—	—	—	1	1	—	—	—	—
30	1	1	—	—	—	—	1	—	1	—	—	—
29	5	1	4	—	—	—	2	1	1	—	—	—
28	1	—	1	—	—	—	—	—	—	—	—	—
27	2	1	1	—	—	—	—	—	—	—	—	—
25	1	1	—	—	—	—	3	—	3	—	—	—
24	1	1	—	—	—	—	5	—	5	—	—	—
23	1	1	—	—	—	—	1	1	—	—	—	—
22	8	8	—	—	—	—	3	3	—	—	—	—
21	9	9	—	—	—	—	10	9	1	—	—	—
20	5	5	—	—	—	—	7	6	1	—	—	—
19	3	3	—	—	—	—	5	5	—	—	—	—
≤ 18	6	5	1	—	—	—	7	6	1	—	—	—
DOMESTIC												
Total	542	117	6	109	235	75	530	117	4	88	253	68
37	1	—	1	—	—	—	—	—	—	—	—	—
36	1	—	1	—	—	—	—	—	—	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
33	2	—	2	—	—	—	—	—	—	—	—	—
32	—	—	—	—	—	—	1	—	1	—	—	—
30	—	—	—	—	—	—	2	1	—	—	1	—
29	1	—	—	—	—	—	—	—	—	—	—	—
28	8	—	—	—	—	8	—	—	—	—	—	—
27	14	—	—	—	8	6	—	—	—	—	—	—
26	6	—	—	—	3	3	2	—	—	—	1	1
25	4	—	—	—	1	3	5	—	1	—	2	2
24	5	—	—	1	1	3	2	—	—	1	1	—
23	4	—	—	—	—	4	—	—	—	—	—	—
22	8	—	—	—	3	5	3	—	—	—	1	2
21	10	—	—	—	7	3	1	—	—	—	1	—
20	9	—	—	2	4	3	7	—	—	2	3	2
19	1	—	—	—	1	—	2	—	—	—	2	—
≤ 18	467	117	1	106	207	36	505	116	2	85	241	61
										Total trips:		1,195

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

WEYMOUTH FORE RIVER, MA

Upbound

Downbound

Grand

Total	472	3	61	47	—	361	477	4	71	47	—	355
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FOREIGN

Total	36	1	35	—	—	—	46	2	44	—	—	—
36	7	—	7	—	—	—	—	—	—	—	—	—
35	3	—	3	—	—	—	—	—	—	—	—	—
33	8	—	8	—	—	—	1	—	1	—	—	—
32	3	—	3	—	—	—	3	—	3	—	—	—
31	3	—	3	—	—	—	3	—	3	—	—	—
30	4	—	4	—	—	—	1	—	1	—	—	—
29	1	—	1	—	—	—	—	—	—	—	—	—
28	1	—	1	—	—	—	2	—	2	—	—	—
27	2	1	1	—	—	—	3	—	3	—	—	—
26	1	—	1	—	—	—	1	—	1	—	—	—
25	—	—	—	—	—	—	5	—	5	—	—	—
24	1	—	1	—	—	—	16	—	16	—	—	—
23	1	—	1	—	—	—	1	—	1	—	—	—
22	—	—	—	—	—	—	3	—	3	—	—	—
21	—	—	—	—	—	—	4	—	4	—	—	—
≤ 18	1	—	1	—	—	—	3	2	1	—	—	—

DOMESTIC

Total	436	2	26	47	—	361	431	2	27	47	—	355
36	1	—	1	—	—	—	—	—	—	—	—	—
35	1	—	1	—	—	—	—	—	—	—	—	—
32	1	—	1	—	—	—	—	—	—	—	—	—
30	1	—	—	—	—	1	—	—	—	—	—	—
29	—	—	—	—	—	—	1	—	1	—	—	—
27	2	—	1	—	—	1	1	—	1	—	—	—
25	—	—	—	—	—	—	2	—	2	—	—	—
24	3	—	—	—	—	3	—	—	—	—	—	—
23	1	—	—	—	—	1	—	—	—	—	—	—
22	3	—	—	—	—	3	—	—	—	—	—	—
21	1	—	—	—	—	1	—	—	—	—	—	—
20	5	—	—	—	—	5	1	—	—	—	—	1
19	8	—	—	—	—	8	—	—	—	—	—	—
≤ 18	409	2	22	47	—	338	426	2	23	47	—	354

Total trips: 949

TOWN RIVER, MA

Upbound

Downbound

Grand

Total	80	—	—	22	—	58	78	—	—	23	—	55
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DOMESTIC

Total	80	—	—	22	—	58	78	—	—	23	—	55
25	2	—	—	—	—	2	—	—	—	—	—	—
24	5	—	—	—	—	5	1	—	—	—	—	1
23	1	—	—	—	—	1	—	—	—	—	—	—
22	—	—	—	—	—	—	1	—	—	—	—	1
20	2	—	—	—	—	2	1	—	—	—	—	1
19	1	—	—	—	—	1	1	—	—	—	—	1
18	4	—	—	—	—	4	1	—	—	—	—	1
17	9	—	—	—	—	9	6	—	—	—	—	6
16	13	—	—	6	—	7	1	—	—	—	—	1
15	3	—	—	—	—	3	4	—	—	—	—	4
14	3	—	—	—	—	3	—	—	—	—	—	—
13	8	—	—	2	—	7	7	—	—	4	—	3
≤ 12	29	—	—	14	—	15	55	—	—	19	—	36

Total trips: 158

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CAPE COD CANAL, MA

	Upbound						Downbound					
Grand Total	1,635	160	68	575	258	574	1,664	162	89	574	264	575

FOREIGN

Total	173	158	15	---	---	---	166	125	37	2	---	2
40	---	---	---	---	---	---	1	---	1	---	---	---
39	---	---	---	---	---	---	1	---	1	---	---	---
38	---	---	---	---	---	---	1	---	1	---	---	---
37	---	---	---	---	---	---	1	---	1	---	---	---
35	1	1	---	---	---	---	7	3	4	---	---	---
32	---	---	---	---	---	---	5	---	5	---	---	---
29	1	1	---	---	---	---	---	---	---	---	---	---
28	5	4	1	---	---	---	16	6	10	---	---	---
27	10	8	2	---	---	---	6	4	2	---	---	---
26	13	12	1	---	---	---	13	9	4	---	---	---
25	22	16	6	---	---	---	9	6	3	---	---	---
24	7	5	2	---	---	---	8	5	3	---	---	---
23	6	6	---	---	---	---	5	5	---	---	---	---
22	11	11	---	---	---	---	3	1	1	---	---	1
21	33	32	1	---	---	---	9	9	---	---	---	---
20	4	3	1	---	---	---	4	4	---	---	---	---
19	6	5	1	---	---	---	9	9	---	---	---	---
≤ 18	54	54	---	---	---	---	68	64	1	2	---	1

DOMESTIC

Total	1,462	2	53	575	258	574	1,498	37	52	572	264	573
39	1	---	1	---	---	---	---	---	---	---	---	---
38	1	---	1	---	---	---	---	---	---	---	---	---
35	2	---	2	---	---	---	---	---	---	---	---	---
34	1	1	---	---	---	---	---	---	---	---	---	---
33	1	---	1	---	---	---	---	---	---	---	---	---
32	2	---	2	---	---	---	1	---	1	---	---	---
30	2	---	---	---	---	2	26	---	---	---	---	---
29	7	---	---	---	---	7	1	---	1	---	---	---
28	38	---	---	---	---	38	2	---	1	---	---	1
27	30	---	---	---	8	22	1	---	1	---	---	---
26	35	---	---	---	3	32	4	1	---	---	1	2
25	42	---	1	---	1	40	6	---	2	---	2	2
24	60	---	---	---	1	59	2	1	---	---	1	---
23	30	---	---	---	---	30	---	---	---	---	---	---
22	36	---	---	---	3	33	3	---	---	---	1	2
21	50	---	---	---	10	40	2	---	1	---	---	1
20	94	---	---	4	31	59	14	---	2	2	3	7
19	45	---	---	---	2	43	10	8	---	---	2	---
≤ 18	985	1	45	571	199	169	1,426	1	45	568	254	558
										Total trips:		3,299

NEW BEDFORD AND FAIRHAVEN HARBOR, MA

	Inbound						Outbound					
Grand Total	2,665	733	1	970	159	802	2,670	739	1	965	164	801

FOREIGN

Total	21	20	---	1	---	---	17	16	---	1	---	---
27	1	1	---	---	---	---	---	---	---	---	---	---
21	1	1	---	---	---	---	---	---	---	---	---	---
20	2	2	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	2	2	---	---	---	---
18	1	1	---	---	---	---	1	1	---	---	---	---
16	---	---	---	---	---	---	1	1	---	---	---	---
14	1	---	---	1	---	---	3	2	---	1	---	---
13	1	1	---	---	---	---	2	2	---	---	---	---
≤ 12	14	14	---	---	---	---	8	8	---	---	---	---

DOMESTIC

Total	2,644	713	1	969	159	802	2,653	723	1	964	164	801
26	3	---	---	---	---	3	---	---	---	---	---	---
25	2	---	---	---	---	2	---	---	---	---	---	---
24	3	---	---	---	---	3	2	---	---	---	---	2

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

NEW BEDFORD AND FAIRHAVEN HARBOR, MA - continued

Inbound

Outbound

DOMESTIC

23	—	—	—	—	—	—	2	—	—	—	—	2
22	1	—	—	—	—	1	1	—	—	—	—	1
20	4	—	—	—	—	4	—	—	—	—	—	—
19	—	—	—	—	—	—	1	—	—	—	—	1
18	3	—	—	—	—	—	—	—	—	—	—	—
17	10	—	—	2	—	1	1	—	—	1	—	—
16	23	—	1	18	—	4	10	—	—	8	1	1
15	10	—	—	6	—	4	10	—	—	8	1	1
14	6	—	—	2	—	4	4	—	—	2	1	1
13	3	—	—	2	—	1	20	—	—	4	16	—
≤ 12	2,576	713	—	938	159	766	2,602	723	1	941	145	792
											Total trips:	5,335

FALL RIVER HARBOR, MA

Inbound

Outbound

Grand

Total	380	88	19	224	29	20	379	90	17	224	29	19
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FOREIGN

Total	58	41	17	—	—	—	59	44	15	—	—	—
36	16	14	2	—	—	—	—	—	—	—	—	—
35	5	5	—	—	—	—	—	—	—	—	—	—
34	2	1	1	—	—	—	—	—	—	—	—	—
33	1	1	—	—	—	—	—	—	—	—	—	—
32	—	—	—	—	—	—	1	1	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	1	1	—	—	—	—
29	1	—	1	—	—	—	1	1	—	—	—	—
28	10	4	6	—	—	—	13	8	5	—	—	—
27	5	3	2	—	—	—	6	4	2	—	—	—
26	2	—	2	—	—	—	11	5	6	—	—	—
25	1	—	1	—	—	—	3	3	—	—	—	—
24	—	—	—	—	—	—	4	4	—	—	—	—
23	1	1	—	—	—	—	5	3	2	—	—	—
22	—	—	—	—	—	—	1	1	—	—	—	—
21	—	—	—	—	—	—	2	2	—	—	—	—
20	—	—	—	—	—	—	2	2	—	—	—	—
19	1	—	1	—	—	—	1	1	—	—	—	—
≤ 18	12	12	—	—	—	—	8	8	—	—	—	—

DOMESTIC

Total	322	47	2	224	29	20	320	46	2	224	29	19
35	20	20	—	—	—	—	—	—	—	—	—	—
34	26	26	—	—	—	—	—	—	—	—	—	—
28	1	—	—	—	—	1	—	—	—	—	—	—
25	1	—	—	—	—	1	—	—	—	—	—	—
24	2	—	—	—	—	2	—	—	—	—	—	—
23	2	—	—	—	—	2	—	—	—	—	—	—
21	3	—	—	—	1	2	—	—	—	—	—	—
20	30	—	—	—	27	3	—	—	—	—	—	—
19	—	—	—	—	—	—	45	45	—	—	—	—
≤ 18	237	1	2	224	1	9	275	1	2	224	29	19
											Total trips:	759

PROVIDENCE RIVER AND HARBOR, RI

Inbound

Outbound

Grand

Total	1,449	207	124	610	69	439	1,444	217	126	606	61	434
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FOREIGN

Total	202	79	100	7	14	2	199	89	102	3	4	1
42	—	—	—	—	—	—	1	—	1	—	—	—
40	1	—	1	—	—	—	—	—	—	—	—	—
38	2	1	1	—	—	—	—	—	—	—	—	—
37	—	—	—	—	—	—	3	3	—	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PROVIDENCE RIVER AND HARBOR, RI - continued
Inbound

Outbound

FOREIGN

36	3	1	2	—	—	—	1	1	—	—	—	—
35	9	2	7	—	—	—	4	1	3	—	—	—
34	20	12	8	—	—	—	6	5	1	—	—	—
33	12	3	9	—	—	—	7	6	1	—	—	—
32	10	4	6	—	—	—	9	7	2	—	—	—
31	5	1	4	—	—	—	5	3	2	—	—	—
30	14	1	13	—	—	—	9	5	4	—	—	—
29	8	4	4	—	—	—	8	3	5	—	—	—
28	12	5	7	—	—	—	16	7	9	—	—	—
27	14	7	5	1	1	—	11	7	4	—	—	—
26	4	2	2	—	—	—	5	3	2	—	—	—
25	6	2	4	—	—	—	26	3	23	—	—	—
24	14	4	8	—	1	1	20	6	13	1	—	—
23	3	—	3	—	—	—	5	1	4	—	—	—
22	5	3	2	—	—	—	6	3	3	—	—	—
21	9	4	5	—	—	—	7	3	4	—	—	—
20	9	6	1	1	1	—	6	2	2	1	1	—
19	3	2	1	—	—	—	8	3	5	—	—	—
≤ 18	39	15	7	5	11	1	36	17	14	1	3	1

DOMESTIC

Total	1,247	128	24	603	55	437	1,245	128	24	603	57	433
36	1	—	1	—	—	—	—	—	—	—	—	—
35	2	—	1	—	—	1	—	—	—	—	—	—
34	—	—	—	—	—	—	1	—	—	—	—	1
33	2	—	2	—	—	—	1	—	1	—	—	—
32	5	—	1	3	—	1	3	—	—	3	—	—
31	1	—	—	—	—	1	—	—	—	—	—	—
30	2	—	—	—	—	2	—	—	—	—	—	—
29	3	—	—	2	—	1	5	—	1	2	—	2
28	24	—	—	—	—	24	1	—	—	—	—	1
27	14	—	1	—	—	13	1	—	1	—	—	—
26	8	—	1	—	—	7	4	—	1	—	—	3
25	9	—	1	—	—	8	2	—	—	—	1	1
24	42	—	1	—	—	41	3	—	—	—	—	3
23	34	—	—	—	—	34	—	—	—	—	—	—
22	26	—	—	—	—	26	2	—	—	—	—	2
21	38	—	1	—	—	37	5	—	5	—	—	—
20	72	—	—	—	—	72	7	—	—	—	2	5
19	32	—	—	—	—	32	95	—	—	93	1	1
≤ 18	932	128	14	598	55	137	1,115	128	15	505	53	414
											Total trips:	2,893

NEW LONDON HARBOR, CT

Upbound

Downbound

Grand Total	6,288	6,134	7	77	5	65	6,308	6,147	12	81	5	63
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FOREIGN

Total	18	11	7	—	—	—	26	14	12	—	—	—
38	2	—	2	—	—	—	—	—	—	—	—	—
37	1	—	1	—	—	—	—	—	—	—	—	—
36	3	—	3	—	—	—	—	—	—	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
31	2	2	—	—	—	—	—	—	—	—	—	—
29	1	1	—	—	—	—	—	—	—	—	—	—
28	6	1	—	—	—	—	1	—	1	—	—	—
27	1	1	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	3	—	3	—	—	—
25	—	—	—	—	—	—	3	—	3	—	—	—
24	—	—	—	—	—	—	3	1	2	—	—	—
23	—	—	—	—	—	—	1	—	1	—	—	—
22	—	—	—	—	—	—	2	2	—	—	—	—
20	—	—	—	—	—	—	3	3	—	—	—	—
19	—	—	—	—	—	—	3	3	—	—	—	—
≤ 18	1	1	—	—	—	—	7	5	2	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

NEW LONDON HARBOR, CT - continued

Upbound

Downbound

DOMESTIC

Total	6,270	6,123	—	77	5	65	6,282	6,133	—	81	5	63
26	2	—	—	—	—	2	—	—	—	—	—	—
24	1	—	—	—	—	1	—	—	—	—	—	—
23	2	—	—	—	—	2	—	—	—	—	—	—
21	1	—	—	—	—	1	—	—	—	—	—	—
19	1	—	—	—	—	1	—	—	—	—	—	—
≤ 18	6,263	6,123	—	77	5	58	6,282	6,133	—	81	5	63
Total trips:											12,596	

THAMES RIVER, CT

Upbound

Downbound

Grand

Total	282	—	15	144	53	70	250	—	13	117	52	68
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DOMESTIC

Total	282	—	15	144	53	70	250	—	13	117	52	68
28	1	—	1	—	—	—	—	—	—	—	—	—
22	1	—	—	—	1	—	—	—	—	—	—	—
21	45	—	—	—	45	—	—	—	—	—	—	—
20	6	—	—	—	5	1	—	—	—	—	—	—
19	1	—	—	—	—	1	—	—	—	—	—	—
18	9	—	—	6	—	3	2	—	1	—	—	1
17	53	—	—	47	—	6	50	—	—	47	3	—
16	17	—	1	3	1	12	50	—	1	—	49	—
15	41	—	4	7	—	30	5	—	—	5	—	—
14	23	—	8	13	—	2	3	—	—	3	—	—
13	44	—	1	36	—	7	27	—	—	27	—	—
≤ 12	41	—	—	32	1	8	113	—	11	35	—	67
Total trips:											532	

CONNECTICUT RIVER BELOW HARTFORD, CT

Upbound

Downbound

Grand

Total	40,508	17,935	5	11,236	11,073	259	40,498	17,934	5	11,235	11,072	252
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DOMESTIC

Total	40,508	17,935	5	11,236	11,073	259	40,498	17,934	5	11,235	11,072	252
16	1	—	—	—	—	1	11,064	—	—	—	11,064	—
15	1	—	—	1	—	—	8,878	—	—	8,878	—	—
13	145	—	—	142	—	3	99	—	—	99	—	—
12	217	—	—	17	—	200	13	—	—	13	—	—
11	91	—	5	48	—	38	46	—	—	46	—	—
10	25	—	—	3	6	16	2	—	—	2	—	—
9	12	—	—	12	—	—	17	—	5	12	—	—
7	661	661	—	—	—	—	661	661	—	—	—	—
≤ 6	39,355	17,274	—	11,013	11,067	1	19,718	17,273	—	2,185	8	252
Total trips:											81,006	

NEW HAVEN HARBOR, CT

Inbound

Outbound

Grand

Total	2,470	371	130	1,101	118	750	2,391	366	137	1,044	115	729
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FOREIGN

Total	220	164	52	2	1	1	212	161	50	—	—	1
38	7	3	4	—	—	—	—	—	—	—	—	—
37	2	1	1	—	—	—	3	2	1	—	—	—
36	15	9	6	—	—	—	4	2	2	—	—	—
35	11	8	3	—	—	—	8	6	2	—	—	—
34	11	7	4	—	—	—	7	6	1	—	—	—
33	17	11	6	—	—	—	8	8	—	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

NEW HAVEN HARBOR, CT - continued

	Inbound						Outbound					
FOREIGN												
32	11	8	3	—	—	—	9	7	2	—	—	—
31	11	10	1	—	—	—	7	7	—	—	—	—
30	10	8	2	—	—	—	12	1	—	—	—	—
29	14	10	4	—	—	—	13	11	2	—	—	—
28	14	10	4	—	—	—	12	9	3	—	—	—
27	12	10	2	—	—	—	15	14	1	—	—	—
26	17	14	3	—	—	—	16	11	5	—	—	—
25	11	9	2	—	—	—	17	9	8	—	—	—
24	10	7	2	—	1	—	24	12	12	—	—	—
23	15	14	1	—	—	—	10	6	4	—	—	—
22	4	3	1	—	—	—	10	8	2	—	—	—
21	3	3	—	—	—	—	6	5	1	—	—	—
20	6	4	1	—	—	1	14	13	—	—	—	1
19	2	2	—	—	—	—	4	4	—	—	—	—
≤ 18	17	13	2	2	—	—	12	9	3	—	—	—
DOMESTIC												
Total	2,250	207	78	1,099	117	749	2,179	205	87	1,044	115	728
38	4	—	4	—	—	—	—	—	—	—	—	—
37	1	—	1	—	—	—	—	—	—	—	—	—
36	4	—	4	—	—	—	1	—	1	—	—	—
35	7	—	7	—	—	—	2	—	2	—	—	—
33	2	—	2	—	—	—	1	—	1	—	—	—
32	3	—	3	—	—	—	1	—	1	—	—	—
31	3	—	3	—	—	—	2	—	2	—	—	—
30	5	—	4	—	—	1	2	—	2	—	—	—
29	3	—	3	—	—	—	4	—	4	—	—	—
28	28	—	3	—	—	25	2	—	2	—	—	—
27	15	—	—	—	1	14	8	—	6	—	—	2
26	15	—	—	—	—	15	7	—	3	—	—	4
25	11	—	—	—	—	11	8	—	3	—	—	5
24	42	—	—	—	1	41	3	—	1	—	—	2
23	42	—	—	—	1	41	2	—	—	—	—	2
22	68	—	—	—	15	53	4	—	—	—	2	2
21	38	—	1	—	3	34	9	—	2	—	4	3
20	52	—	1	4	—	47	12	—	1	2	3	6
19	34	—	—	—	1	33	11	—	—	—	5	6
≤ 18	1,873	207	42	1,095	95	434	2,100	205	56	1,042	101	696
										Total trips:		4,861

BRIDGEPORT HARBOR, CT

	Inbound						Outbound					
Grand												
Total	5,459	3,422	25	990	547	475	5,469	3,420	26	1,014	547	462
FOREIGN												
Total	94	70	24	—	—	—	97	70	25	—	2	—
37	4	—	4	—	—	—	1	—	1	—	—	—
36	1	—	1	—	—	—	1	—	1	—	—	—
35	2	—	2	—	—	—	1	—	1	—	—	—
34	3	—	3	—	—	—	1	—	1	—	—	—
33	3	1	2	—	—	—	—	—	—	—	—	—
32	5	1	4	—	—	—	2	—	2	—	—	—
30	—	—	—	—	—	—	1	—	1	—	—	—
29	1	—	1	—	—	—	3	—	2	—	1	—
28	3	—	3	—	—	—	3	—	3	—	—	—
27	4	2	2	—	—	—	1	—	1	—	—	—
26	46	45	1	—	—	—	8	1	7	—	—	—
25	3	3	—	—	—	—	3	1	2	—	—	—
24	5	4	1	—	—	—	51	48	3	—	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—
22	3	3	—	—	—	—	6	5	—	—	1	—
21	—	—	—	—	—	—	1	1	—	—	—	—
20	—	—	—	—	—	—	3	3	—	—	—	—
19	3	3	—	—	—	—	—	—	—	—	—	—
≤ 18	7	7	—	—	—	—	11	11	—	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

BRIDGEPORT HARBOR, CT - continued

Inbound

Outbound

DOMESTIC

Total	5,365	3,352	1	990	547	475	5,372	3,350	1	1,014	545	462
29	1	—	—	—	—	1	—	—	—	—	—	—
28	6	—	—	—	—	6	2	—	—	—	—	2
27	33	—	—	—	—	33	7	—	—	—	—	7
26	3	—	—	—	—	3	7	—	—	—	—	7
25	8	—	—	—	—	8	4	—	—	—	—	4
24	8	—	—	—	—	8	4	—	—	—	—	4
23	17	—	—	—	—	17	2	—	—	—	—	2
22	3	—	—	—	—	3	2	—	—	—	—	2
21	25	—	—	—	—	25	1	—	—	—	—	1
20	47	—	—	2	29	16	5	—	—	4	—	1
19	45	—	—	—	20	25	2	—	—	—	—	2
≤ 18	5,169	3,352	1	988	498	330	5,336	3,350	1	1,010	545	430
										Total trips:		10,928

NORWALK HARBOR, CT

Inbound

Outbound

Grand

Total	1,247	741	—	217	202	87	1,225	743	—	194	202	86
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DOMESTIC

Total	1,247	741	—	217	202	87	1,225	743	—	194	202	86
16	18	—	—	—	—	18	—	—	—	—	—	—
15	45	—	—	2	—	43	2	—	—	2	—	—
14	20	—	—	19	—	1	4	—	—	4	—	—
13	55	—	—	53	—	2	43	—	—	43	—	—
12	13	—	—	—	3	10	—	—	—	—	—	—
11	57	—	—	—	56	1	—	—	—	—	—	—
10	103	—	—	4	98	1	4	—	—	4	—	—
9	53	—	—	14	30	9	14	—	—	14	—	—
8	78	—	—	71	5	2	72	—	—	72	—	—
7	64	—	—	54	10	—	55	—	—	55	—	—
≤ 6	741	741	—	—	—	—	1,031	743	—	—	202	86
										Total trips:		2,472

STAMFORD HARBOR, CT

Inbound

Outbound

Grand

Total	1,218	9	20	435	686	68	1,222	9	19	438	689	67
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DOMESTIC

Total	1,218	9	20	435	686	68	1,222	9	19	438	689	67
21	1	—	—	—	—	1	—	—	—	—	—	—
18	—	—	—	—	—	—	2	—	—	2	—	—
16	6	—	6	—	—	—	—	—	—	—	—	—
15	7	—	7	—	—	—	—	—	—	—	—	—
14	13	—	3	—	—	10	—	—	—	—	—	—
13	39	—	1	2	—	36	2	—	—	2	—	—
≤ 12	1,152	9	3	433	686	21	1,218	9	19	434	689	67
										Total trips:		2,440

ANDREWS RIVER, MA
No Vessel Trips Reported

ANNISQUAM RIVER, MA
No Vessel Trips Reported

APPONAUG COVE, RI
No Vessel Trips Reported

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
BAR HARBOR, ME (6 feet and less)												
				Inbound						Outbound		
Grand												
Total	876	876	---	---	---	---	876	876	---	---	---	---
										Total trips:		1,752
BASS HARBOR, ME (9 feet and less)												
				Inbound						Outbound		
Grand												
Total	2,294	2,294	---	---	---	---	2,294	2,294	---	---	---	---
										Total trips:		4,588
BEALS HARBOR, ME No Vessel Trips Reported												
BELFAST HARBOR, ME (14 feet and less)												
				Inbound						Outbound		
Grand												
Total	98	2	---	96	---	---	97	1	---	96	---	---
										Total trips:		195
BEVERLY HARBOR, MA No Vessel Trips Reported												
BOOTHBAY HARBOR, ME (13 feet and less)												
				Inbound						Outbound		
Grand												
Total	1,734	1,734	---	---	---	---	1,731	1,731	---	---	---	---
										Total trips:		3,465
BRANFORD HARBOR, CT (9 feet and less)												
				Inbound						Outbound		
Grand												
Total	---	---	---	---	---	---	2	---	---	2	---	---
										Total trips:		2
BRISTOL HARBOR, RI (13 feet and less)												
				Inbound						Outbound		
Grand												
Total	---	---	---	---	---	---	2	---	---	2	---	---
										Total trips:		2
BUNKER HARBOR, ME No Vessel Trips Reported												
CAMDEN HARBOR, ME (14 feet and less)												
				Inbound						Outbound		
Grand												
Total	12	12	---	---	---	---	12	12	---	---	---	---
										Total trips:		24
CANAPITSIT CHANNEL, MA (6 feet and less)												
				Upbound						Downbound		
Grand												
Total	3	---	---	1	---	2	---	---	---	---	---	---
										Total trips:		3

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CAPE PORPOISE HARBOR, ME
No Vessel Trips Reported

CARVERS HARBOR, ME
(12 feet and less)

	Inbound						Outbound					
Grand												
Total	1,124	1,095	29	---	---	---	1,124	1,095	29	---	---	---
										Total trips:		2,248

CHATHAM (STAGE) HARBOR, MA
No Vessel Trips Reported

CLINTON HARBOR, CT
No Vessel Trips Reported

COBSCOOK BAY, ME
No Vessel Trips Reported

COHASSET HARBOR, MA
No Vessel Trips Reported

COREA HARBOR, ME
(2 feet and less)

	Inbound						Outbound					
Grand												
Total	167	167	---	---	---	---	167	167	---	---	---	---
										Total trips:		334

CRIEHAVEN HARBOR, ME
No Vessel Trips Reported

CROSS RIP SHOALS, NANTUCKET SOUND, MA
(26 feet and less)

	Upbound						Downbound					
Grand												
Total	857	741	12	52	46	6	865	745	12	54	48	6
										Total trips:		1,722

CUTTYHUNK HARBOR, MA
(8 feet and less)

	Inbound						Outbound					
Grand												
Total	255	249	---	3	1	2	244	238	---	3	1	2
										Total trips:		499

DAMARISCOTTA RIVER, ME
(10 feet and less)

	Upbound						Downbound					
Grand												
Total	23	23	---	---	---	---	23	23	---	---	---	---
										Total trips:		46

DORCHESTER BAY, MA
No Vessel Trips Reported

DUXBURY HARBOR, MA
No Vessel Trips Reported

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
EDGARTOWN HARBOR, MA (4 feet and less)												
				Inbound							Outbound	
Grand												
Total	66,639	66,639	---	---	---	---	66,639	66,639	---	---	---	---
										Total trips:		133,278
ESSEX RIVER, MA No Vessel Trips Reported												
FALMOUTH HARBOR, MA (8 feet and less)												
				Inbound							Outbound	
Grand												
Total	2,567	2,567	---	---	---	---	2,565	2,565	---	---	---	---
										Total trips:		5,132
FIVEMILE RIVER HARBOR, CT No Vessel Trips Reported												
FORT POINT CHANNEL, MA No Vessel Trips Reported												
GLOUCESTER HARBOR, MA (21 feet and less)												
				Inbound							Outbound	
Grand												
Total	442	129	313	---	---	---	436	123	313	---	---	---
										Total trips:		878
GREAT SALT POND, BLOCK ISLAND, RI (9 feet and less)												
				Inbound							Outbound	
Grand												
Total	187	187	---	---	---	---	187	187	---	---	---	---
										Total trips:		374
GREEN HARBOR, MA (1 feet and less)												
				Inbound							Outbound	
Grand												
Total	26	26	---	---	---	---	26	26	---	---	---	---
										Total trips:		52
GREENWICH BAY, RI No Vessel Trips Reported												
GREENWICH HARBOR, CT (6 feet and less)												
				Inbound							Outbound	
Grand												
Total	1,693	1,693	---	---	---	---	1,692	1,692	---	---	---	---
										Total trips:		3,385
GUILFORD HARBOR, CT No Vessel Trips Reported												
HAMPTON HARBOR, NH No Vessel Trips Reported												
HARBOR OF REFUGE AT SANDY BAY, CAPE ANN, MA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
HARBOR OF REFUGE, BLOCK ISLAND, RI (16 feet and less)												
				Inbound						Outbound		
Grand												
Total	1,538	1,534	---	4	---	---	1,534	1,534	---	---	---	---
										Total trips:		3,072
HARBOR OF REFUGE, NANTUCKET, MA (17 feet and less)												
				Inbound						Outbound		
Grand												
Total	7,317	7,197	12	54	48	6	7,313	7,197	12	52	46	6
										Total trips:		14,630
HARBOR OF REFUGE, POINT JUDITH AND POINT JUDITH POND, RI (15 feet and less)												
				Inbound						Outbound		
Grand												
Total	1,442	1,425	---	17	---	---	1,442	1,425	---	17	---	---
										Total trips:		2,884
HARRASEEKET RIVER, ME (6 feet and less)												
				Upbound						Downbound		
Grand												
Total	470	470	---	---	---	---	470	470	---	---	---	---
										Total trips:		940
HAY (WEST) HARBOR, NY (9 feet and less)												
				Inbound						Outbound		
Grand												
Total	1,980	1,980	---	---	---	---	1,980	1,980	---	---	---	---
										Total trips:		3,960
HENDRICKS HARBOR, ME No Vessel Trips Reported												
HINGHAM HARBOR, MA No Vessel Trips Reported												
HOUSATONIC RIVER, CT (16 feet and less)												
				Upbound						Downbound		
Grand												
Total	319	14	---	173	118	14	305	14	---	159	118	14
										Total trips:		624
HYANNIS HARBOR, MA (11 feet and less)												
				Inbound						Outbound		
Grand												
Total	9,768	9,768	---	---	---	---	9,768	9,768	---	---	---	---
										Total trips:		19,536
IPSWICH RIVER, MA No Vessel Trips Reported												
ISLE AU HAUT THOROUGHFARE, ME (9 feet and less)												
				Upbound						Downbound		
Grand												
Total	875	869	6	---	---	---	875	869	6	---	---	---
										Total trips:		1,750

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ISLE OF SHOALS HARBOR, ME AND NH
No Vessel Trips Reported

JOSIAS RIVER, ME
No Vessel Trips Reported

KENNEBEC RIVER, ME
(14 feet and less)

	Upbound						Downbound					
Grand												
Total	11	6	—	3	2	—	14	6	—	6	2	—
	Total trips:										25	

KENNEBUNK RIVER, ME
No Vessel Trips Reported

LAGOON POND, MARTHA'S VINEYARD, MA
(26 feet and less)

	Inbound						Outbound					
Grand												
Total	10	8	—	1	1	—	9	7	—	1	1	—
	Total trips:										19	

LUBEC CHANNEL, ME
(13 feet and less)

	Upbound						Downbound					
Grand												
Total	41	39	—	2	—	—	41	39	—	2	—	—
	Total trips:										82	

LYNN HARBOR, MA
No Vessel Trips Reported

MACHIAS RIVER, ME
No Vessel Trips Reported

MALDEN RIVER, MA
No Vessel Trips Reported

MANCHESTER HARBOR, MA
No Vessel Trips Reported

MARBLEHEAD HARBOR, MA
(10 feet and less)

	Inbound						Outbound					
Grand												
Total	1	1	—	—	—	—	14	14	—	—	—	—
	Total trips:										15	

MATINICUS HARBOR, ME
(9 feet and less)

	Inbound						Outbound					
Grand												
Total	58	52	6	—	—	—	58	52	6	—	—	—
	Total trips:										116	

MATTAPOISETT HARBOR, MA
No Vessel Trips Reported

MENEMSHA CREEK, MARTHA'S VINEYARD, MA
No Vessel Trips Reported

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MILFORD HARBOR, CT (9 feet and less)												
				Inbound							Outbound	
Grand												
Total	2	---	---	2	---	---	---	---	---	---	---	---
										Total trips:		2
MOOSABEC BAR, ME No Vessel Trips Reported												
MYSTIC RIVER, CT (7 feet and less)												
				Upbound							Downbound	
Grand												
Total	1,521	1,521	---	---	---	---	1,521	1,521	---	---	---	---
										Total trips:		3,042
NARRAGUAGUS RIVER, ME No Vessel Trips Reported												
NEPONSET RIVER, MA No Vessel Trips Reported												
NEW HARBOR, ME No Vessel Trips Reported												
NEWBURYPORT HARBOR, MA (5 feet and less)												
				Inbound							Outbound	
Grand												
Total	221	221	---	---	---	---	220	220	---	---	---	---
										Total trips:		441
NEWPORT HARBOR, RI (28 feet and less)												
				Upbound							Downbound	
Grand												
Total	2,451	2,418	17	16	---	---	2,454	2,417	19	18	---	---
										Total trips:		4,905
NIANTIC BAY AND HARBOR, CT (6 feet and less)												
				Inbound							Outbound	
Grand												
Total	262	262	---	---	---	---	262	262	---	---	---	---
										Total trips:		524
NORTHEAST HARBOR, ME (6 feet and less)												
				Inbound							Outbound	
Grand												
Total	2,736	1,770	---	483	483	---	2,736	1,770	---	483	483	---
										Total trips:		5,472
OWLS HEAD HARBOR, ME (7 feet and less)												
				Inbound							Outbound	
Grand												
Total	6	6	---	---	---	---	6	6	---	---	---	---
										Total trips:		12
PATCHOGUE RIVER, CT No Vessel Trips Reported												

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
PAWCATUCK RIVER, RI AND CT (13 feet and less)												
				Upbound						Downbound		
Grand												
Total	4	---	---	4	---	---	2	---	---	2	---	---
										Total trips:		6
PLEASANT RIVER, ME No Vessel Trips Reported												
PLYMOUTH HARBOR, MA (21 feet and less)												
				Upbound						Downbound		
Grand												
Total	877	877	---	---	---	---	879	879	---	---	---	---
										Total trips:		1,756
PROVINCETOWN HARBOR, MA (22 feet and less)												
				Inbound						Outbound		
Grand												
Total	1,968	1,964	---	4	---	---	1,968	1,964	---	4	---	---
										Total trips:		3,936
RED BROOK HARBOR, BOURNE, MA No Vessel Trips Reported												
ROCKLAND HARBOR, ME (14 feet and less)												
				Inbound						Outbound		
Grand												
Total	2,448	2,408	40	---	---	---	2,443	2,398	45	---	---	---
										Total trips:		4,891
ROCKPORT HARBOR, MA No Vessel Trips Reported												
ROCKPORT HARBOR, ME No Vessel Trips Reported												
ROYAL RIVER, ME No Vessel Trips Reported												
RYE HARBOR, NH No Vessel Trips Reported												
SACO RIVER, ME (10 feet and less)												
				Upbound						Downbound		
Grand												
Total	---	---	---	---	---	---	2	---	---	2	---	---
										Total trips:		2
SAKONNET RIVER AND HARBOR, RI No Vessel Trips Reported												
SCARBORO RIVER, ME No Vessel Trips Reported												
SCITUATE HARBOR, MA No Vessel Trips Reported												

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SEEKONK RIVER, RI (15 feet and less)												
				Upbound							Downbound	
Grand												
Total	2	—	—	—	2	—	11	—	—	8	3	—
										Total trips:		13
SOUTH BRISTOL HARBOR, ME (10 feet and less)												
				Inbound							Outbound	
Grand												
Total	23	23	—	—	—	—	23	23	—	—	—	—
										Total trips:		46
SOUTHWEST HARBOR, ME (6 feet and less)												
				Inbound							Outbound	
Grand												
Total	3	3	—	—	—	—	2	2	—	—	—	—
										Total trips:		5
ST. CROIX RIVER, ME No Vessel Trips Reported												
STOCKTON HARBOR, ME No Vessel Trips Reported												
STONINGTON HARBOR, CT No Vessel Trips Reported												
STONINGTON HARBOR, ME (8 feet and less)												
				Inbound							Outbound	
Grand												
Total	871	870	1	—	—	—	871	870	1	—	—	—
										Total trips:		1,742
STONY CREEK, CT No Vessel Trips Reported												
TAUNTON RIVER, MA No Vessel Trips Reported												
TENANTS HARBOR, ME No Vessel Trips Reported												
THOMASTON HARBOR (GEORGES RIVER), ME No Vessel Trips Reported												
VINEYARD HAVEN HARBOR, MA (12 feet and less)												
				Inbound							Outbound	
Grand												
Total	15,129	14,552	—	288	89	200	15,108	14,552	—	276	85	195
										Total trips:		30,237

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
WAREHAM HARBOR, MA No Vessel Trips Reported												
WARREN RIVER, RI (6 feet and less)												
				Upbound							Downbound	
Grand												
Total	5	5	---	---	---	---	6	6	---	---	---	---
										Total trips:		11
WARWICK COVE, WARWICK, RI No Vessel Trips Reported												
WELLFLEET HARBOR, MA No Vessel Trips Reported												
WESTPORT HARBOR AND SAUGATUCK RIVER, CT (12 feet and less)												
				Inbound							Outbound	
Grand												
Total	2	---	---	2	---	---	2	---	---	2	---	---
										Total trips:		4
WESTPORT RIVER, MA (7 feet and less)												
				Upbound							Downbound	
Grand												
Total	4	---	---	2	2	---	4	---	---	2	2	---
										Total trips:		8
WEYMOUTH BACK RIVER, MA (9 feet and less)												
				Upbound							Downbound	
Grand												
Total	3,589	3,587	---	2	---	---	3,589	3,587	---	2	---	---
										Total trips:		7,178
WICKFORD HARBOR, RI (13 feet and less)												
				Inbound							Outbound	
Grand												
Total	20	---	---	20	---	---	8	---	---	8	---	---
										Total trips:		28
WINTHROP HARBOR, MA No Vessel Trips Reported												
WOOD ISLAND HARBOR, ME AND THE POOL AT BIDDEFORD No Vessel Trips Reported												
WOODS HOLE CHANNEL, MA (18 feet and less)												
				Upbound							Downbound	
Grand												
Total	17,055	16,398	1	327	131	198	17,081	16,401	---	339	136	205
										Total trips:		34,136

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

YORK HARBOR, ME
No Vessel Trips Reported

EASTPORT HARBOR, ME
(37 feet and less)

	Inbound						Outbound						
Grand													
Total	881	874	1	6	---	---	871	863	1	6	1	---	Total trips:
													1,752

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

EAST CHESTER CREEK, NY

Upbound

Downbound

Grand

Total	1,413	2	257	513	510	131	1,420	2	252	529	509	128
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DOMESTIC

Total	1,413	2	257	513	510	131	1,420	2	252	529	509	128
15	1	—	—	—	—	1	—	—	—	—	—	—
13	3	—	1	2	—	—	2	—	—	2	—	—
12	31	—	22	6	1	2	2	—	—	2	—	—
11	219	—	18	80	29	92	82	—	—	82	—	—
10	655	—	212	46	368	29	42	—	—	42	—	—
9	209	—	—	163	43	3	178	—	11	167	—	—
8	95	—	1	87	6	1	304	—	155	113	36	—
7	158	—	2	129	24	3	205	—	83	121	—	1
≤ 6	42	2	1	—	39	—	605	2	3	—	473	127

Total trips: 2,833

FLUSHING BAY AND CREEK, NY

Upbound

Downbound

Grand

Total	2,686	69	82	524	1,925	86	2,663	69	79	505	1,925	85
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DOMESTIC

Total	2,686	69	82	524	1,925	86	2,663	69	79	505	1,925	85
17	27	—	—	—	27	—	—	—	—	—	—	—
16	1	—	—	—	1	—	—	—	—	—	—	—
15	3	—	—	—	2	1	—	—	—	—	—	—
14	8	—	—	2	—	6	2	—	—	2	—	—
13	47	—	—	14	—	33	13	—	—	12	—	1
12	112	—	4	58	28	22	32	—	—	32	—	—
11	142	—	9	34	80	19	38	—	—	38	—	—
10	703	—	69	18	614	2	35	—	—	34	1	—
9	183	—	—	140	42	1	134	—	—	134	—	—
8	268	—	—	163	104	1	250	—	—	154	96	—
7	131	—	—	95	36	—	1,158	—	68	99	991	—
≤ 6	1,061	69	—	—	991	1	1,001	69	11	—	837	84

Total trips: 5,349

HUDSON RIVER, NY (LOWER SECTION)

Upbound

Downbound

Grand

Total	174	4	1	125	26	18	179	10	1	126	23	19
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FOREIGN

Total	5	4	1	—	—	—	11	10	1	—	—	—
37	—	—	—	—	—	—	1	—	1	—	—	—
35	—	—	—	—	—	—	1	1	—	—	—	—
31	—	—	—	—	—	—	1	1	—	—	—	—
29	—	—	—	—	—	—	1	1	—	—	—	—
28	2	1	1	—	—	—	—	—	—	—	—	—
25	1	1	—	—	—	—	—	—	—	—	—	—
23	—	—	—	—	—	—	1	1	—	—	—	—
21	—	—	—	—	—	—	1	1	—	—	—	—
20	—	—	—	—	—	—	4	4	—	—	—	—
19	1	1	—	—	—	—	—	—	—	—	—	—
≤ 18	1	1	—	—	—	—	1	1	—	—	—	—

DOMESTIC

Total	169	—	—	125	26	18	168	—	—	126	23	19
25	1	—	—	—	1	—	—	—	—	—	—	—
24	6	—	—	—	6	—	—	—	—	—	—	—
23	19	—	—	—	19	—	—	—	—	—	—	—
≤ 18	143	—	—	125	—	18	168	—	—	126	23	19

Total trips: 353

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HUDSON RIVER CHANNEL, NY AND NJ

Upbound

Downbound

Grand Total	6,682	5,053	122	418	946	143	6,613	5,002	110	418	945	138
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FOREIGN

Total	282	277	3	2	---	---	229	226	1	2	---	---
42	1	1	---	---	---	---	---	---	---	---	---	---
41	---	---	---	---	---	---	1	1	---	---	---	---
40	2	2	---	---	---	---	---	---	---	---	---	---
38	12	12	---	---	---	---	1	1	---	---	---	---
37	1	---	1	---	---	---	2	2	---	---	---	---
36	6	6	---	---	---	---	2	2	---	---	---	---
35	2	2	---	---	---	---	6	5	1	---	---	---
34	48	48	---	---	---	---	4	4	---	---	---	---
33	8	8	---	---	---	---	5	5	---	---	---	---
32	10	10	---	---	---	---	15	15	---	---	---	---
31	14	14	---	---	---	---	5	5	---	---	---	---
30	12	12	---	---	---	---	6	6	---	---	---	---
29	12	11	1	---	---	---	11	11	---	---	---	---
28	38	38	---	---	---	---	7	7	---	---	---	---
27	17	17	---	---	---	---	29	29	---	---	---	---
26	26	26	---	---	---	---	46	46	---	---	---	---
25	12	12	---	---	---	---	22	22	---	---	---	---
24	41	41	---	---	---	---	22	22	---	---	---	---
23	2	2	---	---	---	---	20	20	---	---	---	---
22	2	2	---	---	---	---	8	8	---	---	---	---
21	5	5	---	---	---	---	4	4	---	---	---	---
20	2	2	---	---	---	---	1	1	---	---	---	---
19	2	2	---	---	---	---	5	5	---	---	---	---
≤ 18	7	4	1	2	---	---	7	5	---	2	---	---

DOMESTIC

Total	6,400	4,776	119	416	946	143	6,384	4,776	109	416	945	138
≤ 18	6,400	4,776	119	416	946	143	6,384	4,776	109	416	945	138

Total trips: 13,295

EAST RIVER, NY

Upbound

Downbound

Grand Total	46,333	43,445	180	1,427	799	482	46,328	43,464	177	1,430	798	459
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FOREIGN

Total	44	35	8	1	---	---	61	55	6	---	---	---
43	---	---	---	---	---	---	1	---	1	---	---	---
38	2	2	---	---	---	---	---	---	---	---	---	---
37	2	2	---	---	---	---	1	1	---	---	---	---
36	1	1	---	---	---	---	---	---	---	---	---	---
35	1	1	---	---	---	---	---	---	---	---	---	---
34	2	1	1	---	---	---	1	1	---	---	---	---
33	1	1	---	---	---	---	1	1	---	---	---	---
32	1	1	---	---	---	---	---	---	---	---	---	---
31	3	2	1	---	---	---	3	3	---	---	---	---
30	2	1	---	1	---	---	2	2	---	---	---	---
29	5	4	1	---	---	---	3	3	---	---	---	---
28	8	3	5	---	---	---	2	1	1	---	---	---
27	7	7	---	---	---	---	3	3	---	---	---	---
26	2	2	---	---	---	---	8	6	2	---	---	---
25	---	---	---	---	---	---	3	2	1	---	---	---
24	2	2	---	---	---	---	2	2	---	---	---	---
23	1	1	---	---	---	---	14	14	---	---	---	---
22	1	1	---	---	---	---	5	4	1	---	---	---
21	---	---	---	---	---	---	6	6	---	---	---	---
20	---	---	---	---	---	---	3	3	---	---	---	---
≤ 18	3	3	---	---	---	---	3	3	---	---	---	---

DOMESTIC

Total	46,289	43,410	172	1,426	799	482	46,267	43,409	171	1,430	798	459
34	1	---	1	---	---	---	---	---	---	---	---	---
29	2	---	1	---	---	1	---	---	---	---	---	---
28	9	---	---	---	---	9	2	---	---	---	---	2

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

EAST RIVER, NY - continued

	Upbound						Downbound					
DOMESTIC												
27	5	—	—	—	—	5	1	—	—	—	—	1
26	10	—	—	—	—	10	1	—	—	—	—	1
25	23	—	—	—	—	23	2	—	—	—	—	2
24	37	—	—	—	6	31	1	—	—	—	—	1
23	4	—	—	—	1	3	2	—	—	—	—	2
22	5	—	—	—	—	5	2	—	—	—	—	2
21	9	—	—	—	—	9	2	—	1	—	—	1
20	28	—	—	10	—	18	16	—	—	12	—	4
19	12	—	—	—	—	12	2	—	—	—	—	2
≤ 18	46,144	43,410	170	1,416	792	356	46,236	43,409	170	1,418	798	441
Total trips:											92,661	

NEWTOWN CREEK, NY

	Upbound						Downbound					
Grand												
Total	1,749	3	46	254	1,297	149	1,748	2	46	254	1,297	149
FOREIGN												
Total	1	1	—	—	—	—	—	—	—	—	—	—
≤ 12	1	1	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	1,748	2	46	254	1,297	149	1,748	2	46	254	1,297	149
17	4	—	—	—	—	4	—	—	—	—	—	—
15	—	—	—	—	—	—	142	—	—	—	142	—
14	4	—	1	—	—	3	—	—	—	—	—	—
13	16	—	—	6	—	10	6	—	—	6	—	—
≤ 12	1,724	2	45	248	1,297	132	1,600	2	46	248	1,155	149
Total trips:											3,497	

BUTTERMILK CHANNEL, NY

	Upbound						Downbound					
Grand												
Total	384	217	23	77	4	63	435	262	17	90	4	62
FOREIGN												
Total	202	200	1	1	—	—	247	247	—	—	—	—
39	3	3	—	—	—	—	3	3	—	—	—	—
38	15	14	1	—	—	—	1	1	—	—	—	—
37	5	5	—	—	—	—	3	3	—	—	—	—
36	6	6	—	—	—	—	1	1	—	—	—	—
35	11	11	—	—	—	—	6	6	—	—	—	—
34	27	27	—	—	—	—	16	16	—	—	—	—
33	12	12	—	—	—	—	14	14	—	—	—	—
32	12	12	—	—	—	—	32	32	—	—	—	—
31	6	6	—	—	—	—	16	16	—	—	—	—
30	19	19	—	—	—	—	8	8	—	—	—	—
29	5	5	—	—	—	—	11	11	—	—	—	—
28	3	3	—	—	—	—	17	17	—	—	—	—
27	9	9	—	—	—	—	11	11	—	—	—	—
26	2	2	—	—	—	—	10	10	—	—	—	—
25	21	21	—	—	—	—	33	33	—	—	—	—
24	15	15	—	—	—	—	14	14	—	—	—	—
23	2	2	—	—	—	—	12	12	—	—	—	—
22	3	3	—	—	—	—	10	10	—	—	—	—
21	9	9	—	—	—	—	8	8	—	—	—	—
20	6	6	—	—	—	—	6	6	—	—	—	—
19	2	2	—	—	—	—	4	4	—	—	—	—
≤ 18	9	8	—	1	—	—	11	11	—	—	—	—
DOMESTIC												
Total	182	17	22	76	4	63	188	15	17	90	4	62
≤ 18	182	17	22	76	4	63	188	15	17	90	4	62
Total trips:											819	

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

BAY RIDGE AND RED HOOK CHANNELS, NY

Upbound

Downbound

Grand Total	4,982	2,553	21	2,188	213	7	4,904	2,474	19	2,188	214	9
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FOREIGN

Total	117	116	1	---	---	---	36	36	---	---	---	---
41	1	1	---	---	---	---	---	---	---	---	---	---
38	11	11	---	---	---	---	1	1	---	---	---	---
37	4	4	---	---	---	---	---	---	---	---	---	---
36	5	5	---	---	---	---	1	1	---	---	---	---
35	11	11	---	---	---	---	3	3	---	---	---	---
34	16	16	---	---	---	---	4	4	---	---	---	---
33	7	6	1	---	---	---	---	---	---	---	---	---
32	9	9	---	---	---	---	---	---	---	---	---	---
31	1	1	---	---	---	---	---	---	---	---	---	---
30	3	3	---	---	---	---	2	2	---	---	---	---
29	6	6	---	---	---	---	1	1	---	---	---	---
28	1	1	---	---	---	---	---	---	---	---	---	---
27	5	5	---	---	---	---	3	3	---	---	---	---
26	5	5	---	---	---	---	2	2	---	---	---	---
25	10	10	---	---	---	---	4	4	---	---	---	---
24	11	11	---	---	---	---	4	4	---	---	---	---
23	---	---	---	---	---	---	2	2	---	---	---	---
22	3	3	---	---	---	---	1	1	---	---	---	---
21	2	2	---	---	---	---	1	1	---	---	---	---
20	2	2	---	---	---	---	2	2	---	---	---	---
19	---	---	---	---	---	---	2	2	---	---	---	---
≤ 18	4	4	---	---	---	---	3	3	---	---	---	---

DOMESTIC

Total	4,865	2,437	20	2,188	213	7	4,868	2,438	19	2,188	214	9
≤ 18	4,865	2,437	20	2,188	213	7	4,868	2,438	19	2,188	214	9

Total trips: 9,886

GOWANUS CREEK CHANNEL, NY

Upbound

Downbound

Grand Total	3,080	12	1	1,648	1,295	124	3,078	11	2	1,648	1,296	121
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FOREIGN

Total	4	4	---	---	---	---	6	3	1	1	1	---
34	---	---	---	---	---	---	1	1	---	---	---	---
32	1	1	---	---	---	---	---	---	---	---	---	---
30	2	2	---	---	---	---	---	---	---	---	---	---
27	1	1	---	---	---	---	---	---	---	---	---	---
23	---	---	---	---	---	---	2	1	1	---	---	---
21	---	---	---	---	---	---	1	1	---	---	---	---
≤ 18	---	---	---	---	---	---	2	---	---	1	1	---

DOMESTIC

Total	3,076	8	1	1,648	1,295	124	3,072	8	1	1,647	1,295	121
27	10	---	---	---	---	10	---	---	---	---	---	---
26	3	---	---	---	---	3	---	---	---	---	---	---
25	6	---	---	---	---	6	---	---	---	---	---	---
24	5	---	---	---	---	5	---	---	---	---	---	---
23	4	---	---	---	---	4	2	---	---	---	---	2
22	1	---	---	---	---	1	---	---	---	---	---	---
21	4	---	---	---	---	4	1	---	---	---	---	1
20	1	---	---	---	---	1	---	---	---	---	---	---
19	13	---	---	---	---	13	---	---	---	---	---	1
≤ 18	3,029	8	1	1,648	1,295	77	3,067	8	1	1,647	1,295	116

Total trips: 6,158

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CONEY ISLAND CHANNEL, NY

	Upbound						Downbound					
Grand												
Total	768	—	9	335	235	189	794	—	12	342	234	206
DOMESTIC												
Total	768	—	9	335	235	189	794	—	12	342	234	206
18	—	—	—	—	—	—	1	—	—	—	—	1
16	—	—	—	—	—	—	1	—	—	—	—	1
14	—	—	—	—	—	—	7	—	4	—	—	3
13	—	—	—	—	—	—	45	—	5	—	—	40
12	—	—	—	—	—	—	60	—	1	—	22	37
11	—	—	—	—	—	—	65	—	2	—	55	8
10	9	—	9	—	—	—	84	—	—	—	82	2
9	18	—	—	18	—	—	152	—	—	19	48	85
8	135	—	—	135	—	—	144	—	—	137	4	3
7	81	—	—	81	—	—	112	—	—	84	23	5
6	101	—	—	101	—	—	110	—	—	102	—	8
4	71	—	—	—	—	71	13	—	—	—	—	13
3	5	—	—	—	—	5	—	—	—	—	—	—
2	348	—	—	—	235	113	—	—	—	—	—	—
										Total trips:		1,562

EAST ROCKAWAY INLET, NY

	Upbound						Downbound					
Grand												
Total	441	—	294	47	—	100	435	—	294	46	—	95
DOMESTIC												
Total	441	—	294	47	—	100	435	—	294	46	—	95
15	8	—	8	—	—	—	—	—	—	—	—	—
14	3	—	3	—	—	—	1	—	1	—	—	—
13	78	—	65	—	13	—	—	—	—	—	—	—
12	133	—	55	4	74	4	—	—	4	—	—	—
11	164	—	151	6	7	7	—	—	6	—	—	—
10	14	—	11	—	3	63	—	63	—	—	—	—
9	34	—	1	33	—	193	—	157	36	—	—	—
8	—	—	—	—	—	25	—	25	—	—	—	—
7	4	—	—	4	—	43	—	43	—	—	—	—
≤ 6	3	—	—	—	—	3	99	—	4	—	—	95
										Total trips:		876

JAMAICA BAY, NY

	Upbound						Downbound					
Grand												
Total	1,168	3	76	551	326	212	1,158	3	74	550	327	204
DOMESTIC												
Total	1,168	3	76	551	326	212	1,158	3	74	550	327	204
18	1	—	—	—	—	1	—	—	—	—	—	—
16	1	—	—	—	—	1	—	—	—	—	—	—
15	1	—	1	—	—	—	—	—	—	—	—	—
14	7	—	4	—	—	3	—	—	—	—	—	—
13	52	—	6	6	—	40	6	—	6	—	—	—
≤ 12	1,106	3	65	545	326	167	1,152	3	74	544	327	204
										Total trips:		2,326

RARITAN RIVER, NJ

	Upbound						Downbound					
Grand												
Total	1,717	1	3	803	702	208	1,719	—	4	803	702	210
FOREIGN												
Total	1	1	—	—	—	—	1	—	1	—	—	—
24	—	—	—	—	—	—	1	—	1	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

RARITAN RIVER, NJ - continued

	Upbound						Downbound					
FOREIGN												
20	1	1	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	1,716	—	3	803	702	208	1,718	—	3	803	702	210
24	7	—	—	—	—	7	—	—	—	—	—	—
23	14	—	—	—	—	14	12	—	—	—	—	12
22	4	—	—	—	1	3	10	—	—	—	—	10
21	3	—	—	—	—	3	4	—	—	—	—	4
20	7	—	—	—	—	7	4	—	—	—	—	4
19	7	—	—	—	—	7	3	—	—	—	—	3
18	6	—	—	—	—	6	4	—	—	2	—	2
17	5	—	—	—	—	5	4	—	—	—	—	4
16	151	—	—	141	—	10	141	—	—	133	—	8
15	105	—	—	101	—	4	106	—	—	101	—	5
14	9	—	—	2	—	7	19	—	2	2	—	15
13	93	—	—	86	—	7	107	—	—	86	—	21
≤ 12	1,305	—	3	473	701	128	1,304	—	1	479	702	122
										Total trips:		3,436

UPPER BAY, NEW YORK HARBOR, NY AND NJ

	Upbound						Downbound					
Grand												
Total	45,861	36,289	872	6,990	576	1,134	45,610	36,232	669	6,989	585	1,135
FOREIGN												
Total	1,032	604	417	6	5	—	777	547	215	5	9	1
48	4	2	2	—	—	—	1	1	—	—	—	—
47	5	3	2	—	—	—	6	6	—	—	—	—
46	35	11	24	—	—	—	7	2	5	—	—	—
45	56	9	47	—	—	—	1	—	1	—	—	—
44	8	3	5	—	—	—	1	—	1	—	—	—
43	10	5	5	—	—	—	5	4	1	—	—	—
42	80	32	48	—	—	—	8	4	4	—	—	—
41	11	3	8	—	—	—	4	—	4	—	—	—
40	64	17	47	—	—	—	15	10	5	—	—	—
39	36	20	16	—	—	—	9	5	4	—	—	—
38	64	34	30	—	—	—	16	11	5	—	—	—
37	48	12	36	—	—	—	22	11	11	—	—	—
36	85	57	28	—	—	—	20	13	7	—	—	—
35	34	13	21	—	—	—	26	18	8	—	—	—
34	43	36	7	—	—	—	31	29	2	—	—	—
33	81	65	16	—	—	—	52	49	3	—	—	—
32	61	49	12	—	—	—	37	32	5	—	—	—
31	25	17	8	—	—	—	44	37	7	—	—	—
30	73	54	17	1	1	—	37	33	3	1	—	—
29	25	10	15	—	—	—	56	35	20	—	1	—
28	12	10	2	—	—	—	55	35	19	—	—	1
27	42	34	8	—	—	—	63	39	24	—	—	—
26	13	11	1	—	1	—	38	25	13	—	—	—
25	10	8	2	—	—	—	68	42	26	—	—	—
24	40	35	4	—	1	—	32	21	10	—	1	—
23	6	5	1	—	—	—	24	17	6	—	1	—
22	9	7	1	1	—	—	27	23	4	—	—	—
21	8	6	2	—	—	—	20	17	2	1	—	—
20	17	15	—	—	2	—	16	9	7	—	—	—
19	4	2	1	1	—	—	6	3	3	—	—	—
≤ 18	23	19	1	3	—	—	30	16	5	3	6	—
DOMESTIC												
Total	44,829	35,685	455	6,984	571	1,134	44,833	35,685	454	6,984	576	1,134
41	5	—	5	—	—	—	—	—	—	—	—	—
40	44	—	44	—	—	—	1	—	1	—	—	—
39	3	—	3	—	—	—	1	—	1	—	—	—
38	5	—	5	—	—	—	1	—	1	—	—	—
36	3	—	3	—	—	—	5	—	5	—	—	—
35	2	—	2	—	—	—	1	—	1	—	—	—
34	6	—	6	—	—	—	1	—	1	—	—	—
33	29	—	29	—	—	—	1	—	1	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

UPPER BAY, NEW YORK HARBOR, NY AND NJ - continued

	Upbound						Downbound					
DOMESTIC												
32	12	—	12	—	—	—	3	—	3	—	—	—
31	8	—	8	—	—	—	3	—	3	—	—	—
30	13	—	10	—	—	3	12	1	9	—	1	1
29	5	—	2	—	—	3	2	—	1	—	—	1
28	10	—	3	—	—	7	6	—	5	—	—	1
27	13	—	2	—	—	11	9	—	8	—	—	1
26	28	—	1	—	—	27	7	—	4	—	—	3
25	23	—	1	—	—	22	6	—	3	—	—	3
24	39	—	1	1	—	37	15	—	6	1	—	8
23	42	—	—	—	—	42	7	—	—	—	—	7
22	17	—	—	—	—	17	1	—	—	—	—	1
21	28	—	—	—	—	28	6	—	2	—	—	4
20	37	—	—	—	—	37	5	—	1	—	1	3
19	37	—	—	—	—	37	2	—	—	—	—	2
≤ 18	44,420	35,685	318	6,983	571	863	44,738	35,684	398	6,983	574	1,099
Total trips:											91,471	

NEWARK BAY, NJ

	Upbound						Downbound					
Grand												
Total	7,515	2,120	247	4,043	283	822	7,740	2,364	230	4,042	283	821

FOREIGN

Total	1,776	1,702	72	1	1	—	2,013	1,946	65	1	1	—
39	362	357	5	—	—	—	165	162	3	—	—	—
38	237	236	1	—	—	—	84	84	—	—	—	—
37	71	67	4	—	—	—	102	102	—	—	—	—
36	198	192	6	—	—	—	107	107	—	—	—	—
35	96	91	5	—	—	—	84	82	2	—	—	—
34	71	70	1	—	—	—	150	149	1	—	—	—
33	136	134	2	—	—	—	112	107	5	—	—	—
32	87	83	4	—	—	—	146	143	3	—	—	—
31	33	30	3	—	—	—	126	123	3	—	—	—
30	111	106	5	—	—	—	79	77	2	—	—	—
29	42	36	6	—	—	—	107	105	2	—	—	—
28	34	28	6	—	—	—	146	137	9	—	—	—
27	50	47	3	—	—	—	107	103	4	—	—	—
26	24	20	4	—	—	—	61	58	3	—	—	—
25	29	27	2	—	—	—	95	90	5	—	—	—
24	53	50	3	—	—	—	72	67	5	—	—	—
23	6	6	—	—	—	—	53	49	4	—	—	—
22	14	13	1	—	—	—	47	41	4	1	1	—
21	21	16	5	—	—	—	34	30	4	—	—	—
20	47	46	1	—	—	—	24	22	2	—	—	—
19	10	10	—	—	—	—	15	13	2	—	—	—
≤ 18	44	37	5	1	1	—	97	95	2	—	—	—

DOMESTIC

Total	5,739	418	175	4,042	282	822	5,727	418	165	4,041	282	821
30	26	26	—	—	—	—	34	33	—	—	1	—
29	—	—	—	—	—	—	3	3	—	—	—	—
28	—	—	—	—	—	—	7	6	—	—	—	1
27	5	5	—	—	—	—	6	6	—	—	—	—
26	17	16	—	—	—	1	166	166	—	—	—	—
25	8	8	—	—	—	—	11	9	—	—	1	1
24	122	120	—	1	—	1	17	15	—	1	—	1
23	18	18	—	—	—	—	15	14	—	—	—	1
22	5	4	—	—	—	1	2	—	—	—	1	1
21	—	—	—	—	—	—	2	—	—	—	1	1
20	6	3	—	2	—	1	4	—	—	2	2	—
19	1	—	—	—	—	1	3	—	—	—	3	—
≤ 18	5,531	218	175	4,039	282	817	5,457	166	165	4,038	273	815
Total trips:											15,255	

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HACKENSACK RIVER, NJ

Upbound

Downbound

Grand

Total	583	---	10	265	119	189	588	---	10	271	120	187
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FOREIGN

Total	4	---	4	---	---	---	4	---	4	---	---	---
28	1	---	1	---	---	---	---	---	---	---	---	---
27	1	---	1	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	2	---	2	---	---	---
25	1	---	1	---	---	---	2	---	2	---	---	---
23	1	---	1	---	---	---	---	---	---	---	---	---

DOMESTIC

Total	579	---	6	265	119	189	584	---	6	271	120	187
23	5	---	---	---	---	5	---	---	---	---	---	---
22	77	---	---	---	75	2	---	---	---	---	---	---
21	38	---	---	---	38	---	---	---	---	---	---	---
20	2	---	---	---	1	1	---	---	---	---	---	---
≤ 18	457	---	6	265	5	181	584	---	6	271	120	187

Total trips: 1,171

PASSAIC RIVER, NJ

Upbound

Downbound

Grand

Total	1,977	3	97	1,309	19	549	1,982	2	96	1,323	16	545
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FOREIGN

Total	16	2	10	---	4	---	10	1	9	---	---	---
34	1	---	1	---	---	---	1	---	1	---	---	---
32	1	1	---	---	---	---	---	---	---	---	---	---
29	1	---	1	---	---	---	---	---	---	---	---	---
28	5	---	5	---	---	---	1	---	1	---	---	---
27	2	---	2	---	---	---	1	---	1	---	---	---
26	---	---	---	---	---	---	3	---	3	---	---	---
25	---	---	---	---	---	---	2	---	2	---	---	---
24	1	---	---	---	1	---	---	---	---	---	---	---
23	1	---	1	---	---	---	1	---	1	---	---	---
22	1	---	---	---	1	---	---	---	---	---	---	---
18	1	---	---	---	1	---	---	---	---	---	---	---
16	1	---	---	---	1	---	---	---	---	---	---	---
≤ 12	1	1	---	---	---	---	1	1	---	---	---	---

DOMESTIC

Total	1,961	1	87	1,309	15	549	1,972	1	87	1,323	16	545
28	1	---	---	---	---	1	---	---	---	---	---	---
24	1	---	---	---	---	1	---	---	---	---	---	---
23	---	---	---	---	---	---	2	---	---	---	---	2
22	---	---	---	---	---	---	1	---	---	---	---	1
21	2	---	---	---	---	2	---	---	---	---	---	---
20	5	---	---	---	---	5	3	---	---	---	---	3
19	12	---	---	---	---	12	2	---	---	---	---	2
18	18	---	3	4	---	11	5	---	1	---	---	4
17	17	---	1	2	---	14	22	---	7	2	---	13
16	51	---	---	24	---	27	34	---	2	30	---	2
15	84	---	---	52	---	32	55	---	---	51	---	4
14	152	---	2	74	4	72	98	---	3	76	---	19
13	251	---	---	174	4	73	201	---	1	178	---	22
≤ 12	1,367	1	81	979	7	299	1,549	1	73	986	16	473

Total trips: 3,959

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ

	Upbound						Downbound					
Grand Total	34,815	699	2,419	17,793	6,181	7,723	34,514	645	2,169	17,794	6,192	7,714

FOREIGN

Total	815	269	527	4	5	10	510	427	218	5	9	1
39	44	9	32	—	—	3	49	6	43	—	—	—
38	7	—	7	—	—	—	24	13	11	—	—	—
37	12	4	8	—	—	—	31	3	28	—	—	—
36	18	6	12	—	—	—	46	24	22	—	—	—
35	18	4	14	—	—	—	21	8	13	—	—	—
34	10	3	7	—	—	—	28	13	15	—	—	—
33	19	12	7	—	—	—	33	13	20	—	—	—
32	17	9	8	—	—	—	53	40	13	—	—	—
31	25	6	19	—	—	—	12	—	11	—	1	—
30	31	15	16	—	—	—	34	15	16	1	2	—
29	119	25	92	—	1	1	41	12	28	1	—	—
28	110	29	80	—	—	1	19	9	9	—	1	—
27	77	28	45	—	1	3	31	17	13	—	1	—
26	62	20	42	—	—	—	10	6	4	—	—	—
25	64	25	39	—	—	—	15	4	10	1	—	—
24	55	24	29	—	1	1	7	5	2	—	—	—
23	30	15	15	—	—	—	5	3	1	—	1	—
22	25	6	17	1	1	—	3	1	1	—	—	1
21	16	6	10	—	—	—	16	7	9	—	—	—
20	12	3	9	—	—	—	7	5	—	—	2	—
19	10	4	6	—	—	—	2	2	—	—	—	—
≤ 18	34	16	13	3	1	1	23	12	8	2	1	—

DOMESTIC

Total	34,000	430	1,892	17,789	6,176	7,713	34,004	427	1,892	17,789	6,183	7,713
38	—	—	—	—	—	—	4	—	4	—	—	—
37	1	—	1	—	—	—	1	—	1	—	—	—
36	17	—	14	—	—	3	13	—	13	—	—	—
35	14	—	7	—	—	7	4	—	4	—	—	—
34	21	—	21	—	—	—	15	—	13	—	—	2
33	23	—	21	—	—	2	46	—	44	—	—	2
32	47	—	23	18	—	6	48	—	24	20	—	4
31	19	—	16	—	—	3	22	—	18	—	—	4
30	32	—	23	—	—	9	26	—	20	—	—	6
29	42	—	23	5	—	14	24	—	10	5	—	9
28	68	—	17	—	—	51	45	—	18	—	—	27
27	92	—	13	—	1	78	58	—	16	—	14	28
26	86	—	17	—	—	69	79	—	20	—	3	56
25	89	—	8	—	2	79	71	—	16	—	—	55
24	227	—	15	—	2	210	86	—	10	—	—	76
23	154	—	4	—	3	147	78	—	4	—	—	74
22	225	—	1	—	3	221	67	—	—	—	—	67
21	216	—	5	—	5	206	79	—	35	1	1	42
20	355	—	2	28	—	325	106	—	11	28	1	66
19	253	—	1	—	1	251	56	—	1	—	1	54
≤ 18	32,019	430	1,660	17,738	6,159	6,032	33,076	427	1,610	17,735	6,163	7,141
										Total trips:		69,329

RARITAN RIVER TO ARTHUR KILL CUT OFF CHANNEL, NJ

	Upbound						Downbound					
Grand Total	1,562	—	2	671	701	188	1,565	—	2	677	702	184

DOMESTIC

Total	1,562	—	2	671	701	188	1,565	—	2	677	702	184
23	12	—	—	—	—	12	11	—	—	—	—	11
22	10	—	—	—	—	10	3	—	—	—	—	3
21	4	—	—	—	—	4	2	—	—	—	—	2
20	4	—	—	—	—	4	7	—	—	—	—	7
19	3	—	—	—	—	3	7	—	—	—	—	7
18	4	—	—	2	—	2	5	—	—	—	—	5
17	4	—	—	—	—	4	5	—	—	—	—	5
16	120	—	—	113	—	7	134	—	—	125	—	9
15	85	—	—	80	—	5	92	—	—	88	—	4
14	18	—	2	2	—	14	9	—	—	2	—	7
13	83	—	—	64	—	19	79	—	—	72	—	7
12	32	—	—	4	—	28	10	—	—	7	—	3

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

RARITAN RIVER TO ARTHUR KILL CUT OFF CHANNEL, NJ - continued

Upbound

Downbound

DOMESTIC

11	320	—	—	202	108	10	185	—	—	183	—	2
10	651	—	—	98	551	2	99	—	—	98	—	1
9	147	—	—	104	42	1	97	—	—	96	—	1
8	3	—	—	2	—	1	—	—	—	—	—	—
7	—	—	—	—	—	—	6	—	—	6	—	—
6	—	—	—	—	—	—	1	—	—	—	—	1
5	2	—	—	—	—	2	2	—	—	—	—	2
4	13	—	—	—	—	13	20	—	—	—	—	20
3	31	—	—	—	—	31	43	—	—	—	1	42
2	16	—	—	—	—	16	746	—	—	—	701	45
1	—	—	—	—	—	—	2	—	2	—	—	—

Total trips: 3,127

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS

Upbound

Downbound

Grand

Total	11,274	6,345	1,428	1,864	645	992	11,470	6,507	1,434	1,855	673	1,001
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FOREIGN

Total	4,156	3,286	831	17	20	2	4,328	3,448	838	14	16	12
48	4	2	2	—	—	—	1	1	—	—	—	—
47	5	3	2	—	—	—	6	6	—	—	—	—
46	36	11	25	—	—	—	7	2	5	—	—	—
45	60	10	50	—	—	—	1	—	1	—	—	—
44	8	3	5	—	—	—	1	—	1	—	—	—
43	10	5	5	—	—	—	6	4	2	—	—	—
42	288	225	63	—	—	—	40	32	8	—	—	—
41	26	14	12	—	—	—	48	39	8	—	—	1
40	198	124	74	—	—	—	88	64	22	—	—	2
39	100	78	22	—	—	—	73	59	14	—	—	—
38	366	323	43	—	—	—	111	98	13	—	—	—
37	163	93	70	—	—	—	143	123	20	—	—	—
36	352	292	60	—	—	—	149	130	19	—	—	—
35	178	137	41	—	—	—	144	119	25	—	—	—
34	243	215	28	—	—	—	218	207	11	—	—	—
33	285	244	41	—	—	—	204	189	15	—	—	—
32	255	224	31	—	—	—	249	232	17	—	—	—
31	104	77	26	—	1	—	221	192	29	—	—	—
30	265	218	41	3	—	—	165	143	21	1	—	—
29	155	99	55	1	—	—	314	196	115	—	2	1
28	142	110	31	—	1	—	342	230	110	—	—	2
27	175	146	28	—	1	—	302	222	76	—	1	3
26	83	72	10	—	1	—	244	179	65	—	—	—
25	101	85	15	1	—	—	311	236	75	—	—	—
24	177	164	10	—	3	—	212	163	46	—	2	1
23	24	19	4	—	1	—	167	139	27	—	1	—
22	40	34	3	1	1	1	136	106	26	2	2	—
21	65	49	16	—	—	—	103	86	16	1	—	—
20	86	81	1	—	4	—	73	55	18	—	—	—
19	22	20	1	1	—	—	45	33	12	—	—	—
18	29	25	1	1	2	—	38	28	7	1	1	1
17	13	12	—	1	—	—	20	14	2	2	2	—
16	9	5	—	3	1	—	25	19	5	1	—	—
15	18	14	1	1	1	1	12	10	1	1	—	—
14	12	8	2	2	—	—	9	9	—	—	—	—
13	3	2	1	—	—	—	38	33	1	2	2	—
≤ 12	56	43	11	2	—	—	62	50	5	3	3	1

DOMESTIC

Total	7,118	3,059	597	1,847	625	990	7,142	3,059	596	1,841	657	989
41	6	—	6	—	—	—	—	—	—	—	—	—
40	43	—	43	—	—	—	1	—	1	—	—	—
39	2	—	2	—	—	—	—	—	—	—	—	—
38	2	—	2	—	—	—	2	—	2	—	—	—
37	2	—	2	—	—	—	—	—	—	—	—	—
36	22	—	19	—	—	3	3	—	3	—	—	—
35	11	1	3	—	—	7	3	—	2	—	—	1
34	14	—	13	—	—	—	3	—	3	—	—	—
33	16	—	15	—	—	1	3	—	2	—	—	1
32	28	—	14	8	—	6	16	—	8	8	—	—
31	11	—	8	—	—	3	8	—	8	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS - continued

	Upbound						Downbound					
DOMESTIC												
30	46	23	18	—	—	5	47	34	10	—	2	1
29	16	—	10	2	—	4	18	—	14	2	—	2
28	42	—	13	—	—	29	20	6	9	—	—	5
27	49	3	9	—	—	37	53	5	13	—	27	8
26	47	3	9	—	—	35	76	36	24	—	5	11
25	84	18	8	—	1	57	174	141	19	—	5	9
24	229	112	3	2	12	100	43	16	11	2	—	14
23	100	27	4	—	20	49	31	12	3	—	2	14
22	127	8	—	—	76	43	30	2	1	—	2	25
21	113	—	5	—	61	47	42	1	36	1	2	2
20	81	3	5	22	5	46	30	—	6	17	3	4
19	27	—	1	—	1	25	12	1	—	—	6	5
18	35	1	5	10	—	19	22	—	10	4	2	6
17	87	—	8	46	—	33	80	—	3	49	5	23
16	121	—	2	65	6	48	214	—	2	45	158	9
15	284	—	—	265	6	13	264	—	14	247	—	3
14	133	—	1	112	3	17	120	—	6	103	—	11
13	164	—	1	146	6	11	293	—	70	168	—	55
≤ 12	5,176	2,860	368	1,169	428	351	5,534	2,805	316	1,195	438	780
										Total trips:		22,744

HUDSON RIVER, NY, MOUTH OF SPUYTEN DUYVILL CREEK (HARLEM RIVER) TO WATERFORD, NY

	Upbound						Downbound					
Grand												
Total	8,599	517	57	2,810	4,010	1,205	8,576	512	46	2,808	4,006	1,204
FOREIGN												
Total	139	120	16	1	1	1	125	116	7	1	—	1
37	—	—	—	—	—	—	1	—	1	—	—	—
36	3	1	2	—	—	—	—	—	—	—	—	—
35	1	—	1	—	—	—	1	1	—	—	—	—
34	5	4	1	—	—	—	—	—	—	—	—	—
33	6	5	1	—	—	—	1	1	—	—	—	—
32	20	18	2	—	—	—	2	1	1	—	—	—
31	8	7	1	—	—	—	2	2	—	—	—	—
30	8	6	2	—	—	—	—	—	—	—	—	—
29	14	14	—	—	—	—	5	4	1	—	—	—
28	20	18	2	—	—	—	4	4	—	—	—	—
27	10	9	1	—	—	—	8	6	2	—	—	—
26	1	—	1	—	—	—	12	12	—	—	—	—
25	3	3	—	—	—	—	18	18	—	—	—	—
24	6	4	1	—	1	—	10	9	1	—	—	—
23	—	—	—	—	—	—	9	9	—	—	—	—
22	3	3	—	—	—	—	13	13	—	—	—	—
21	3	3	—	—	—	—	13	13	—	—	—	—
20	4	4	—	—	—	—	9	9	—	—	—	—
19	2	2	—	—	—	—	3	2	1	—	—	—
18	3	3	—	—	—	—	1	1	—	—	—	—
17	7	7	—	—	—	—	3	2	—	1	—	—
16	4	4	—	—	—	—	3	3	—	—	—	—
15	1	—	—	—	—	1	1	1	—	—	—	—
14	1	—	—	1	—	—	1	1	—	—	—	—
13	—	—	—	—	—	—	1	1	—	—	—	—
≤ 12	6	5	1	—	—	—	4	3	—	—	—	1
DOMESTIC												
Total	8,460	397	41	2,809	4,009	1,204	8,451	396	39	2,807	4,006	1,203
35	2	1	—	—	—	1	—	—	—	—	—	—
32	1	—	—	—	—	1	—	—	—	—	—	—
30	1	—	—	—	—	1	—	—	—	—	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
28	5	—	—	—	—	5	2	—	—	—	—	2
27	10	—	—	—	—	10	49	—	—	—	49	—
26	25	—	—	—	—	25	11	—	—	—	11	—
25	19	—	—	—	1	18	4	—	—	—	3	1
24	40	—	—	—	6	34	—	—	—	—	—	—
23	56	—	—	—	19	37	—	—	—	—	—	—
22	69	—	—	—	—	69	14	—	—	—	13	1
21	58	—	—	—	—	58	1	—	—	—	1	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HUDSON RIVER, NY, MOUTH OF SPUYTEN DUYVILL CREEK (HARLEM RIVER) TO WATERFORD, NY - continued
Upbound Downbound

DOMESTIC

20	88	—	—	—	1	87	1	—	—	—	—	1
19	93	—	—	—	—	93	5	1	—	—	2	2
18	153	—	6	16	—	131	2	—	—	—	2	—
17	86	—	13	4	—	69	79	—	—	4	75	—
16	166	—	7	70	—	89	65	—	—	62	1	2
15	245	—	5	188	1	51	172	—	—	166	2	4
14	188	—	1	88	1	98	97	—	1	88	6	2
13	322	—	1	188	2	131	214	—	—	184	22	8
≤ 12	6,832	396	8	2,255	3,978	195	7,735	395	38	2,303	3,819	1,180
Total trips:											17,175	

HUDSON RIVER, NY, DEEPWATER IN UPPER BAY, NY TO WATERFORD, NY (CONSOLIDATED REPORT)
Upbound Downbound

Grand Total	15,248	5,567	179	3,202	4,956	1,344	15,163	5,511	156	3,202	4,951	1,343
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FOREIGN

Total	421	397	19	3	1	1	354	342	8	3	—	1
42	1	1	—	—	—	—	—	—	—	—	—	—
41	—	—	—	—	—	—	1	1	—	—	—	—
40	2	2	—	—	—	—	—	—	—	—	—	—
38	12	12	—	—	—	—	1	1	—	—	—	—
37	1	—	1	—	—	—	3	2	1	—	—	—
36	9	7	2	—	—	—	2	2	—	—	—	—
35	3	2	1	—	—	—	7	6	1	—	—	—
34	53	52	1	—	—	—	4	4	—	—	—	—
33	14	13	1	—	—	—	6	6	—	—	—	—
32	30	28	2	—	—	—	17	16	1	—	—	—
31	22	21	1	—	—	—	7	7	—	—	—	—
30	20	18	2	—	—	—	6	6	—	—	—	—
29	26	25	1	—	—	—	16	15	1	—	—	—
28	58	56	2	—	—	—	11	11	—	—	—	—
27	27	26	1	—	—	—	37	35	2	—	—	—
26	27	26	1	—	—	—	58	58	—	—	—	—
25	15	15	—	—	—	—	40	40	—	—	—	—
24	47	45	1	—	1	—	32	31	1	—	—	—
23	2	2	—	—	—	—	29	29	—	—	—	—
22	5	5	—	—	—	—	21	21	—	—	—	—
21	8	8	—	—	—	—	17	17	—	—	—	—
20	6	6	—	—	—	—	10	10	—	—	—	—
19	4	4	—	—	—	—	8	7	1	—	—	—
≤ 18	29	23	2	3	—	1	21	17	—	3	—	1

DOMESTIC

Total	14,827	5,170	160	3,199	4,955	1,343	14,809	5,169	148	3,199	4,951	1,342
35	2	1	—	—	—	1	—	—	—	—	—	—
32	1	—	—	—	—	1	—	—	—	—	—	—
30	1	—	—	—	—	1	—	—	—	—	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
28	5	—	—	—	—	5	2	—	—	—	—	2
27	10	—	—	—	—	10	49	—	—	—	49	—
26	25	—	—	—	—	25	11	—	—	—	11	—
25	19	—	—	—	1	18	4	—	—	—	3	1
24	40	—	—	—	6	34	—	—	—	—	—	—
23	56	—	—	—	19	37	—	—	—	—	—	—
22	69	—	—	—	—	69	14	—	—	—	13	1
21	58	—	—	—	—	58	1	—	—	—	1	—
20	88	—	—	—	1	87	1	—	—	—	—	1
19	93	—	—	—	—	93	5	1	—	—	2	2
≤ 18	14,359	5,169	160	3,199	4,928	903	14,722	5,168	148	3,199	4,872	1,335
Total trips:											30,411	

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

TARRYTOWN HARBOR, NY

	Inbound						Outbound					
Grand Total	293	13	—	26	244	10	289	12	—	26	241	10
DOMESTIC												
Total	293	13	—	26	244	10	289	12	—	26	241	10
10	243	—	—	2	241	—	—	—	—	—	—	—
9	16	—	—	8	—	8	8	—	—	8	—	—
8	4	—	—	3	1	—	3	—	—	3	—	—
7	4	1	—	3	—	—	6	1	—	5	—	—
≤ 6	26	12	—	10	2	2	272	11	—	10	241	10
Total trips:											582	

PORT OF ALBANY, NY

	Inbound						Outbound					
Grand Total	1,170	70	28	501	1	570	1,157	70	18	500	—	569
FOREIGN												
Total	84	67	14	1	1	1	75	67	6	1	—	1
35	3	—	3	—	—	—	—	—	—	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
33	2	1	1	—	—	—	—	—	—	—	—	—
32	11	9	2	—	—	—	2	1	1	—	—	—
31	8	7	1	—	—	—	1	1	—	—	—	—
30	7	5	2	—	—	—	—	—	—	—	—	—
29	7	7	—	—	—	—	4	3	1	—	—	—
28	5	4	1	—	—	—	1	1	—	—	—	—
27	4	3	1	—	—	—	3	1	2	—	—	—
26	1	—	1	—	—	—	11	11	—	—	—	—
25	2	2	—	—	—	—	11	11	—	—	—	—
24	6	4	1	—	1	—	5	4	1	—	—	—
23	—	—	—	—	—	—	7	7	—	—	—	—
22	3	3	—	—	—	—	7	7	—	—	—	—
21	3	3	—	—	—	—	5	5	—	—	—	—
20	4	4	—	—	—	—	5	5	—	—	—	—
19	1	1	—	—	—	—	3	2	1	—	—	—
18	2	2	—	—	—	—	1	1	—	—	—	—
17	7	7	—	—	—	—	3	2	—	1	—	—
16	3	3	—	—	—	—	1	1	—	—	—	—
15	1	—	—	—	—	1	1	1	—	—	—	—
14	1	—	—	1	—	—	1	1	—	—	—	—
13	—	—	—	—	—	—	1	1	—	—	—	—
≤ 12	2	2	—	—	—	—	2	1	—	—	—	1
DOMESTIC												
Total	1,086	3	14	500	—	569	1,082	3	12	499	—	568
35	1	—	—	—	—	1	—	—	—	—	—	—
32	1	—	—	—	—	1	—	—	—	—	—	—
28	3	—	—	—	—	3	1	—	—	—	—	1
27	7	—	—	—	—	7	—	—	—	—	—	—
26	11	—	—	—	—	11	—	—	—	—	—	—
25	9	—	—	—	—	9	—	—	—	—	—	—
24	26	—	—	—	—	26	—	—	—	—	—	—
23	31	—	—	—	—	31	—	—	—	—	—	—
22	66	—	—	—	—	66	1	—	—	—	—	1
21	49	—	—	—	—	49	—	—	—	—	—	—
20	60	—	—	—	—	60	1	—	—	—	—	1
19	60	—	—	—	—	60	3	—	—	—	—	3
18	101	—	3	6	—	92	2	—	—	—	—	2
17	49	—	5	2	—	42	3	—	—	2	—	1
16	78	—	2	53	—	23	52	—	—	49	—	3
15	135	—	1	115	—	19	143	—	—	141	—	2
14	42	—	—	19	—	23	24	—	—	21	—	3
13	118	—	1	105	—	12	98	—	—	97	—	1
≤ 12	239	3	2	200	—	34	754	3	12	189	—	550
Total trips:											2,327	

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HEMPSTEAD HARBOR, NY

Upbound

Downbound

Grand Total	1,436	1	1	614	681	139	1,430	1	1	614	684	130
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DOMESTIC

Total	1,436	1	1	614	681	139	1,430	1	1	614	684	130
15	4	—	—	—	—	4	—	—	—	—	—	—
14	16	—	1	—	—	15	2	—	—	—	—	2
13	81	—	—	18	—	63	19	—	—	18	—	1
12	69	—	—	6	22	41	6	—	—	6	—	—
11	200	—	—	74	120	6	64	—	—	64	—	—
10	454	—	—	14	436	4	16	—	—	16	—	—
9	204	—	—	136	66	2	138	—	—	138	—	—
8	191	—	—	181	9	1	190	—	—	190	—	—
7	214	1	—	185	28	—	183	1	—	182	—	—
≤ 6	3	—	—	—	—	3	812	—	1	—	684	127
Total trips:											2,866	

PORT JEFFERSON HARBOR, NY

Inbound

Outbound

Grand Total	4,648	3,566	—	495	339	248	4,641	3,569	1	494	338	239
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FOREIGN

Total	1	1	—	—	—	—	1	—	1	—	—	—
25	1	1	—	—	—	—	1	—	1	—	—	—

DOMESTIC

Total	4,647	3,565	—	495	339	248	4,640	3,569	—	494	338	239
28	4	—	—	—	—	4	—	—	—	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
25	3	—	—	—	—	3	—	—	—	—	—	—
24	21	—	—	—	—	21	—	—	—	—	—	—
23	4	—	—	—	—	4	—	—	—	—	—	—
22	8	—	—	—	—	8	—	—	—	—	—	—
21	14	—	—	—	—	14	1	—	—	—	—	1
20	21	—	—	—	—	21	—	—	—	—	—	—
19	6	—	—	—	—	6	—	—	—	—	—	—
18	14	—	—	6	—	8	—	—	—	—	—	—
17	163	—	—	25	—	138	5	—	—	3	—	2
16	21	—	—	18	—	3	4	—	—	4	—	—
15	39	—	—	30	—	9	24	—	—	24	—	—
14	14	—	—	13	—	1	36	—	—	34	—	2
13	36	—	—	34	—	2	26	—	—	26	—	—
≤ 12	4,278	3,565	—	369	339	5	4,544	3,569	—	403	338	234
Total trips:											9,289	

BRONX RIVER, NY
(14 feet and less)

Upbound

Downbound

Grand Total	125	—	—	45	80	—	129	—	—	45	84	—
Total trips:											254	

BROWNS CREEK, NY
(8 feet and less)

Upbound

Downbound

Grand Total	10,924	10,924	—	—	—	—	10,953	10,953	—	—	—	—
Total trips:											21,877	

BURLINGTON HARBOR, VT
(8 feet and less)

Inbound

Outbound

Grand Total	1,555	1,555	—	—	—	—	1,555	1,555	—	—	—	—
Total trips:											3,110	

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
CHEESEQUAKE CREEK, NJ No Vessel Trips Reported												
CONEY ISLAND CREEK, NY (11 feet and less)												
				Upbound							Downbound	
Grand												
Total	20	---	---	2	18	---	20	---	---	2	18	---
										Total trips:		40
ECHO BAY HARBOR, NY No Vessel Trips Reported												
ELIZABETH RIVER, NJ No Vessel Trips Reported												
FIRE ISLAND INLET, NY (6 feet and less)												
				Upbound							Downbound	
Grand												
Total	11	11	---	---	---	---	11	11	---	---	---	---
										Total trips:		22
GLEN COVE CREEK, NY (10 feet and less)												
				Upbound							Downbound	
Grand												
Total	239	---	---	30	209	---	237	---	---	30	207	---
										Total trips:		476
GLEN COVE HARBOR, NY No Vessel Trips Reported												
GREAT KILLS HARBOR, STATEN ISLAND, NY No Vessel Trips Reported												
GREAT SOUTH BAY, NY (11 feet and less)												
				Upbound							Downbound	
Grand												
Total	29,590	29,553	3	28	---	6	29,595	29,566	1	25	---	3
										Total trips:		59,185
GREENPORT HARBOR, NY (7 feet and less)												
				Inbound							Outbound	
Grand												
Total	35,203	35,203	---	---	---	---	35,203	35,203	---	---	---	---
										Total trips:		70,406
HARLEM RIVER, NY (14 feet and less)												
				Upbound							Downbound	
Grand												
Total	25	---	4	21	---	---	26	---	5	21	---	---
										Total trips:		51
HUNTINGTON HARBOR, NY No Vessel Trips Reported												

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
JONES INLET, NY (9 feet and less)												
				Upbound						Downbound		
Grand												
Total	3	---	---	3	---	---	3	---	---	3	---	---
										Total trips:		6
KEYPORT HARBOR, NJ No Vessel Trips Reported												
LAKE MONTAUK HARBOR, NY No Vessel Trips Reported												
LARCHMONT HARBOR, NY No Vessel Trips Reported												
LEMON CREEK, STATEN ISLAND, NY No Vessel Trips Reported												
LONG ISLAND INTRACOASTAL WATERWAY, NY (11 feet and less)												
				Upbound						Downbound		
Grand												
Total	262	248	3	8	---	3	252	242	1	9	---	---
										Total trips:		514
MAMARONECK HARBOR, NY No Vessel Trips Reported												
MANHASSET BAY, NY (14 feet and less)												
				Upbound						Downbound		
Grand												
Total	228	165	24	16	---	23	241	179	24	14	---	24
										Total trips:		469
MATTITUCK HARBOR, NY (10 feet and less)												
				Inbound						Outbound		
Grand												
Total	300	300	---	---	---	---	300	300	---	---	---	---
										Total trips:		600
NARROWS OF LAKE CHAMPLAIN, NY AND VT No Vessel Trips Reported												
NEW ROCHELLE HARBOR, NY (5 feet and less)												
				Upbound						Downbound		
Grand												
Total	66	66	---	---	---	---	66	66	---	---	---	---
										Total trips:		132
NORTHPORT HARBOR, NY (16 feet and less)												
				Inbound						Outbound		
Grand												
Total	300	295	---	4	---	1	308	306	---	2	---	---
										Total trips:		608
OROWOC CREEK, NY No Vessel Trips Reported												

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
PATCHOGUE RIVER, NY (11 feet and less)												
				Inbound						Outbound		
Grand												
Total	2,436	2,422	---	14	---	---	2,434	2,422	---	12	---	---
										Total trips:		4,870
PECONIC RIVER, NY (8 feet and less)												
				Upbound						Downbound		
Grand												
Total	141	141	---	---	---	---	141	141	---	---	---	---
										Total trips:		282
PEEKSKILL HARBOR, NY No Vessel Trips Reported												
PORT CHESTER HARBOR, NY (14 feet and less)												
				Upbound						Downbound		
Grand												
Total	321	---	77	99	145	---	312	---	75	92	145	---
										Total trips:		633
PORT HENRY HARBOR, NY No Vessel Trips Reported												
RAHWAY RIVER, NJ No Vessel Trips Reported												
RONDOUT HARBOR, NY (15 feet and less)												
				Inbound						Outbound		
Grand												
Total	203	174	---	10	---	19	199	174	---	6	---	19
										Total trips:		402
ROUSES POINT, NY No Vessel Trips Reported												
SAG HARBOR, NY (7 feet and less)												
				Inbound						Outbound		
Grand												
Total	44,446	44,446	---	---	---	---	44,445	44,445	---	---	---	---
										Total trips:		88,891
SANDY HOOK BAY AT LEONARDO, NJ (14 feet and less)												
				Upbound						Downbound		
Grand												
Total	26	---	---	26	---	---	26	---	---	26	---	---
										Total trips:		52
SANDY HOOK BAY, NJ (7 feet and less)												
				Upbound						Downbound		
Grand												
Total	1,025	1,025	---	---	---	---	1,026	1,026	---	---	---	---
										Total trips:		2,051
SANDY HOOK CHANNEL, NY No Vessel Trips Reported												

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SAUGERTIES HARBOR, NY No Vessel Trips Reported												
SHARK RIVER, NJ No Vessel Trips Reported												
SHEEPSHEAD BAY, NY (7 feet and less)												
				Upbound							Downbound	
Grand												
Total	1	—	1	—	—	—	2	—	2	—	—	—
										Total trips:		3
SHINNECOCK INLET, NY No Vessel Trips Reported												
SHOAL HARBOR AND COMPTON CREEK, NJ (9 feet and less)												
				Upbound							Downbound	
Grand												
Total	300	250	—	50	—	—	294	250	—	44	—	—
										Total trips:		594
SHREWSBURY RIVER, NJ (9 feet and less)												
				Upbound							Downbound	
Grand												
Total	1,475	1,469	—	6	—	—	1,475	1,469	—	6	—	—
										Total trips:		2,950
WALLABOUT CHANNEL, NY No Vessel Trips Reported												
WAYCAKE CREEK, NJ No Vessel Trips Reported												
WESTCHESTER CREEK, NY (13 feet and less)												
				Upbound							Downbound	
Grand												
Total	164	—	4	105	—	55	153	—	4	97	—	52
										Total trips:		317
GOWANUS CANAL, NY (13 feet and less)												
				Upbound							Downbound	
Grand												
Total	509	—	103	148	147	111	496	—	102	135	147	112
										Total trips:		1,005
GRAVESEND BAY, NY (46 feet and less)												
				Upbound							Downbound	
Grand												
Total	803	5	63	145	490	100	774	2	42	140	490	100
										Total trips:		1,577
OYSTER BAY, NY (16 feet and less)												
				Upbound							Downbound	
Grand												
Total	220	3	33	65	1	118	219	3	33	65	1	117
										Total trips:		439

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

DELAWARE RIVER BETWEEN PHILADELPHIA, PA, AND TRENTON, NJ

	Upbound						Downbound					
Grand Total	3,557	232	146	2,006	170	1,003	3,551	229	142	2,005	172	1,003

FOREIGN

Total	292	216	75	---	1	---	290	213	76	---	1	---
42	1	---	1	---	---	---	---	---	---	---	---	---
40	5	---	5	---	---	---	---	---	---	---	---	---
39	3	---	3	---	---	---	---	---	---	---	---	---
38	7	6	1	---	---	---	1	1	---	---	---	---
37	2	1	1	---	---	---	---	---	---	---	---	---
36	8	8	---	---	---	---	1	1	---	---	---	---
35	3	3	---	---	---	---	4	4	---	---	---	---
34	15	11	4	---	---	---	7	4	3	---	---	---
33	5	2	3	---	---	---	4	1	3	---	---	---
32	19	16	3	---	---	---	12	8	4	---	---	---
31	16	11	5	---	---	---	11	9	2	---	---	---
30	30	24	6	---	---	---	26	20	6	---	---	---
29	17	11	6	---	---	---	17	15	2	---	---	---
28	29	21	7	---	1	---	29	23	5	---	1	---
27	21	17	4	---	---	---	23	16	7	---	---	---
26	24	17	7	---	---	---	20	12	8	---	---	---
25	21	17	4	---	---	---	24	17	7	---	---	---
24	20	13	7	---	---	---	28	15	13	---	---	---
23	14	13	1	---	---	---	27	20	7	---	---	---
22	10	8	2	---	---	---	13	10	3	---	---	---
21	8	5	3	---	---	---	11	9	2	---	---	---
20	6	5	1	---	---	---	14	12	2	---	---	---
19	2	1	1	---	---	---	5	5	---	---	---	---
18	3	3	---	---	---	---	6	6	---	---	---	---
17	---	---	---	---	---	---	1	1	---	---	---	---
16	2	2	---	---	---	---	2	2	---	---	---	---
15	1	1	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	3	2	1	---	---	---
≤ 12	---	---	---	---	---	---	1	1	---	---	---	---

DOMESTIC

Total	3,265	16	71	2,006	169	1,003	3,261	16	66	2,005	171	1,003
39	1	---	1	---	---	---	---	---	---	---	---	---
34	1	---	1	---	---	---	---	---	---	---	---	---
33	3	---	3	---	---	---	2	---	2	---	---	---
32	4	---	2	2	---	---	3	---	1	2	---	---
31	2	---	2	---	---	---	1	---	1	---	---	---
30	3	---	3	---	---	---	2	---	2	---	---	---
29	7	---	6	---	---	1	4	---	3	---	---	1
28	4	---	3	---	---	1	1	---	1	---	---	---
27	5	---	3	---	---	2	20	15	5	---	---	---
26	25	14	9	---	---	2	7	---	7	---	---	---
25	3	---	2	---	---	1	4	---	4	---	---	---
24	5	---	1	---	---	4	4	---	3	---	---	1
23	5	2	2	---	---	1	3	---	3	---	---	---
22	7	---	1	---	6	---	3	---	3	---	---	---
21	10	---	4	---	6	---	4	---	4	---	---	---
20	9	---	4	1	---	4	4	1	1	1	---	1
19	2	---	1	---	---	1	1	---	---	---	---	1
18	6	---	1	---	---	5	2	---	2	---	---	---
17	53	---	---	---	42	11	6	---	2	1	1	2
16	235	---	---	66	72	97	102	---	---	65	12	25
15	39	---	---	31	4	4	84	---	2	36	---	46
14	163	---	---	4	1	158	38	---	---	4	---	34
13	195	---	---	150	1	44	153	---	---	145	---	8
≤ 12	2,478	---	22	1,752	37	667	2,813	---	20	1,751	158	884
										Total trips:		7,108

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)

Upbound

Downbound

Grand

Total	31,959	10,030	1,348	13,718	2,109	4,754	31,950	10,029	1,353	13,712	2,101	4,755
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FOREIGN

Total	2,542	1,736	744	30	32	—	2,534	1,735	750	23	25	1
43	9	—	9	—	—	—	1	—	1	—	—	—
42	240	15	225	—	—	—	7	1	6	—	—	—
41	26	1	25	—	—	—	2	1	1	—	—	—
40	83	4	78	—	1	—	4	—	4	—	—	—
39	52	3	48	—	1	—	1	—	1	—	—	—
38	46	12	34	—	—	—	8	6	2	—	—	—
37	44	13	31	—	—	—	10	5	5	—	—	—
36	64	28	33	1	2	—	10	5	5	—	—	—
35	64	37	24	1	2	—	20	16	4	—	—	—
34	64	47	9	3	5	—	21	16	5	—	—	—
33	55	35	12	3	5	—	25	16	9	—	—	—
32	58	40	14	—	4	—	64	34	30	—	—	—
31	61	35	19	4	3	—	155	40	106	4	5	—
30	109	86	19	4	—	—	175	84	91	—	—	—
29	150	120	28	1	1	—	151	74	77	—	—	—
28	163	145	17	—	1	—	208	125	82	—	1	—
27	143	123	19	—	1	—	154	89	64	1	—	—
26	117	100	17	—	—	—	232	99	132	1	—	—
25	148	134	12	1	1	—	162	128	34	—	—	—
24	149	138	10	1	—	—	156	129	25	1	1	—
23	117	113	4	—	—	—	142	123	18	—	1	—
22	105	96	9	—	—	—	127	114	12	—	1	—
21	108	96	10	2	—	—	176	155	13	5	3	—
20	83	70	8	4	1	—	103	89	11	3	—	—
19	27	22	5	—	—	—	76	72	3	1	—	—
≤ 18	257	223	25	5	4	—	344	314	9	7	13	1

DOMESTIC

Total	29,417	8,294	604	13,688	2,077	4,754	29,416	8,294	603	13,689	2,076	4,754
40	123	—	—	—	—	123	—	—	—	—	—	—
39	1	—	1	—	—	—	1	—	1	—	—	—
37	5	—	5	—	—	—	2	—	2	—	—	—
36	154	—	24	—	—	130	4	—	1	—	—	3
35	131	—	5	—	—	126	20	—	3	—	—	17
34	4	—	4	—	—	—	3	—	3	—	—	—
33	19	—	17	—	—	2	4	—	4	—	—	—
32	39	—	16	16	—	7	16	—	1	10	—	5
31	10	—	10	—	—	—	3	—	1	—	—	2
30	24	—	14	—	—	10	22	—	8	—	—	14
29	29	—	20	6	—	3	14	—	4	4	—	6
28	54	—	10	—	—	44	93	—	3	—	—	90
27	35	—	10	—	16	9	72	1	9	—	—	62
26	40	1	17	—	4	18	64	—	11	—	2	51
25	40	13	7	—	1	19	106	15	9	—	—	82
24	47	—	3	—	—	44	196	—	7	—	1	188
23	27	1	4	—	2	20	111	—	10	—	1	100
22	39	1	1	—	6	31	101	—	10	—	24	67
21	62	—	7	—	7	48	154	—	11	—	68	75
20	96	—	4	37	—	55	178	1	27	28	18	104
19	17	—	1	1	1	14	48	—	—	1	3	44
≤ 18	28,421	8,278	424	13,628	2,040	4,051	28,204	8,277	478	13,646	1,959	3,844
										Total trips:		63,909

DELAWARE RIVER AT CAMDEN, NJ

Inbound

Outbound

Grand

Total	4,618	561	110	3,264	118	565	4,609	543	111	3,266	125	564
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FOREIGN

Total	595	560	31	2	2	—	577	542	31	2	2	—
43	1	—	1	—	—	—	—	—	—	—	—	—
42	1	—	1	—	—	—	1	—	1	—	—	—
41	1	1	—	—	—	—	1	1	—	—	—	—
40	8	—	8	—	—	—	—	—	—	—	—	—
39	3	—	3	—	—	—	—	—	—	—	—	—
38	1	—	1	—	—	—	—	—	—	—	—	—
37	3	2	1	—	—	—	3	3	—	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

DELAWARE RIVER AT CAMDEN, NJ - continued

Inbound

Outbound

FOREIGN

36	5	5	—	—	—	—	3	3	—	—	—	—
35	5	5	—	—	—	—	4	4	—	—	—	—
34	20	18	2	—	—	—	4	4	—	—	—	—
33	11	11	—	—	—	—	5	5	—	—	—	—
32	12	11	1	—	—	—	9	6	3	—	—	—
31	9	8	1	—	—	—	6	4	1	—	1	—
30	30	26	4	—	—	—	16	12	4	—	—	—
29	16	13	3	—	—	—	11	8	3	—	—	—
28	25	23	2	—	—	—	19	15	4	—	—	—
27	44	44	—	—	—	—	18	17	1	—	—	—
26	33	32	1	—	—	—	38	32	6	—	—	—
25	45	45	—	—	—	—	46	46	—	—	—	—
24	53	52	1	—	—	—	43	38	5	—	—	—
23	41	40	1	—	—	—	39	38	1	—	—	—
22	29	29	—	—	—	—	53	53	—	—	—	—
21	35	35	—	—	—	—	50	50	—	—	—	—
20	39	39	—	—	—	—	38	36	2	—	—	—
19	14	14	—	—	—	—	21	21	—	—	—	—
≤ 18	111	107	—	2	2	—	149	146	—	2	1	—

DOMESTIC

Total	4,023	1	79	3,262	116	565	4,032	1	80	3,264	123	564
39	1	—	1	—	—	—	—	—	—	—	—	—
33	2	—	2	—	—	—	—	—	—	—	—	—
28	2	—	—	—	—	2	—	—	—	—	—	—
27	1	—	—	—	—	1	—	—	—	—	—	—
26	4	—	1	—	—	3	3	—	—	—	2	1
25	3	—	—	—	—	3	5	—	—	—	—	5
24	8	—	—	—	—	8	3	—	—	—	1	2
23	4	—	—	—	—	4	—	—	—	—	—	—
22	3	—	—	—	—	3	—	—	—	—	—	—
21	6	—	—	—	—	6	3	—	2	—	—	1
20	12	—	—	6	—	6	11	—	—	7	—	4
19	3	—	—	1	—	2	2	—	—	1	—	1
≤ 18	3,974	1	75	3,255	116	527	4,005	1	78	3,256	120	550
Total trips:											9,227	

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)

Upbound

Downbound

Grand

Total	32,258	10,030	1,348	13,866	2,109	4,905	32,250	10,029	1,353	13,861	2,101	4,906
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FOREIGN

Total	2,542	1,736	744	30	32	—	2,534	1,735	750	23	25	1
44	3	—	3	—	—	—	—	—	—	—	—	—
43	6	—	6	—	—	—	1	—	1	—	—	—
42	240	15	225	—	—	—	7	1	6	—	—	—
41	26	1	25	—	—	—	2	1	1	—	—	—
40	83	4	78	—	1	—	4	—	4	—	—	—
39	52	3	48	—	1	—	1	—	1	—	—	—
38	46	12	34	—	—	—	8	6	2	—	—	—
37	44	13	31	—	—	—	10	5	5	—	—	—
36	64	28	33	1	2	—	10	5	5	—	—	—
35	64	37	24	1	2	—	20	16	4	—	—	—
34	64	47	9	3	5	—	21	16	5	—	—	—
33	55	35	12	3	5	—	25	16	9	—	—	—
32	58	40	14	—	4	—	64	34	30	—	—	—
31	61	35	19	4	3	—	155	40	106	4	5	—
30	109	86	19	4	—	—	175	84	91	—	—	—
29	150	120	28	1	1	—	151	74	77	—	—	—
28	163	145	17	—	1	—	208	125	82	—	1	—
27	143	123	19	—	1	—	154	89	64	1	—	—
26	117	100	17	—	—	—	232	99	132	1	—	—
25	148	134	12	1	1	—	162	128	34	—	—	—
24	149	138	10	1	—	—	156	129	25	1	1	—
23	117	113	4	—	—	—	142	123	18	—	1	—
22	105	96	9	—	—	—	127	114	12	—	1	—
21	108	96	10	2	—	—	176	155	13	5	3	—
20	83	70	8	4	1	—	103	89	11	3	—	—
19	27	22	5	—	—	—	76	72	3	1	—	—
≤ 18	257	223	25	5	4	—	344	314	9	7	13	1

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT) - continued

Upbound

Downbound

DOMESTIC

Total	29,716	8,294	604	13,836	2,077	4,905	29,716	8,294	603	13,838	2,076	4,905
40	123	—	—	—	—	123	—	—	—	—	—	—
39	1	—	1	—	—	1	1	—	1	—	—	—
37	5	—	5	—	—	5	2	—	2	—	—	—
36	154	—	24	—	—	130	4	—	1	—	—	3
35	131	—	5	—	—	126	20	—	3	—	—	17
34	4	—	4	—	—	4	3	—	3	—	—	—
33	19	—	17	—	—	2	4	—	4	—	—	—
32	39	—	16	16	—	7	16	—	1	10	—	5
31	10	—	10	—	—	—	3	—	1	—	—	2
30	24	—	14	—	—	10	22	—	8	—	—	14
29	29	—	20	6	—	3	14	—	4	4	—	6
28	54	—	10	—	—	44	93	—	3	—	—	90
27	35	—	10	—	16	9	72	1	9	—	—	62
26	40	1	17	—	4	18	64	—	11	—	2	51
25	40	13	7	—	1	19	106	15	9	—	—	82
24	47	—	3	—	—	44	196	—	7	—	1	188
23	27	1	4	—	2	20	111	—	10	—	1	100
22	39	1	1	—	6	31	101	—	10	—	24	67
21	62	—	7	—	7	48	154	—	11	—	68	75
20	96	—	4	37	—	55	178	1	27	28	18	104
19	17	—	1	1	1	14	48	—	—	1	3	44
≤ 18	28,720	8,278	424	13,776	2,040	4,202	28,504	8,277	478	13,795	1,959	3,995
										Total trips:		64,508

SCHUYLKILL RIVER, PA

Upbound

Downbound

Grand

Total	2,755	2	17	1,458	81	1,197	2,755	3	16	1,457	83	1,196
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FOREIGN

Total	7	2	5	—	—	—	8	3	5	—	—	—
33	1	1	—	—	—	—	—	—	—	—	—	—
30	1	1	—	—	—	—	—	—	—	—	—	—
29	3	—	3	—	—	—	1	—	1	—	—	—
26	1	—	1	—	—	—	3	1	2	—	—	—
25	—	—	—	—	—	—	1	—	1	—	—	—
22	1	—	1	—	—	—	3	2	1	—	—	—

DOMESTIC

Total	2,748	—	12	1,458	81	1,197	2,747	—	11	1,457	83	1,196
35	1	—	—	—	—	1	3	—	—	—	—	3
33	—	—	—	—	—	—	1	—	1	—	—	—
32	—	—	—	—	—	—	2	—	—	—	—	2
30	—	—	—	—	—	—	1	—	—	—	—	1
28	2	—	—	—	—	2	12	—	—	—	—	12
27	—	—	—	—	—	—	32	—	—	—	—	32
26	1	—	—	—	—	1	25	—	—	—	—	25
25	1	—	—	—	—	1	22	—	—	—	—	22
24	1	—	—	—	—	1	100	—	—	—	—	100
23	3	—	—	—	—	3	14	—	—	—	—	14
22	11	—	—	—	—	11	13	—	—	—	—	13
21	3	—	1	—	—	2	16	—	1	—	—	15
20	13	—	—	2	—	11	48	—	—	4	—	44
19	5	—	—	—	—	5	22	—	—	—	—	22
18	3	—	—	—	—	3	28	—	3	4	—	21
17	16	—	5	—	—	11	34	—	2	1	—	31
16	76	—	—	20	—	56	69	—	—	38	—	31
15	23	—	—	16	—	7	40	—	—	22	—	18
14	78	—	—	30	—	48	139	—	—	27	—	112
13	169	—	—	100	—	69	123	—	—	94	—	29
≤ 12	2,342	—	6	1,290	81	965	2,003	—	4	1,267	83	649
										Total trips:		5,510

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PHILADELPHIA HARBOR, PA

	Inbound						Outbound					
Grand												
Total	13,191	942	654	8,687	192	2,716	13,151	935	648	8,667	177	2,724

FOREIGN

Total	712	494	170	24	24	—	675	487	173	7	8	—
42	104	10	94	—	—	—	2	1	1	—	—	—
40	6	2	3	—	1	—	—	—	—	—	—	—
39	6	2	3	—	1	—	—	—	—	—	—	—
38	5	4	1	—	—	—	1	1	—	—	—	—
37	9	7	2	—	—	—	7	2	5	—	—	—
36	14	10	1	1	2	—	1	—	1	—	—	—
35	23	20	1	1	1	—	5	5	—	—	—	—
34	20	11	3	2	4	—	9	6	3	—	—	—
33	23	11	4	3	5	—	10	5	5	—	—	—
32	22	15	3	—	4	—	18	15	3	—	—	—
31	27	15	5	4	3	—	87	21	60	3	3	—
30	40	33	3	4	—	—	72	39	33	—	—	—
29	52	44	7	1	—	—	30	28	2	—	—	—
28	56	49	6	—	1	—	55	49	5	—	1	—
27	47	41	6	—	—	—	30	23	7	—	—	—
26	34	27	7	—	—	—	27	18	9	—	—	—
25	53	47	4	1	1	—	42	31	11	—	—	—
24	55	49	6	—	—	—	37	29	8	—	—	—
23	35	35	—	—	—	—	24	16	8	—	—	—
22	19	15	4	—	—	—	28	24	4	—	—	—
21	23	20	3	—	—	—	69	67	2	—	—	—
20	13	7	1	4	1	—	35	30	3	2	—	—
19	3	2	1	—	—	—	23	23	—	—	—	—
≤ 18	23	18	2	3	—	—	63	54	3	2	4	—

DOMESTIC

Total	12,479	448	484	8,663	168	2,716	12,476	448	475	8,660	169	2,724
40	39	—	—	—	—	39	—	—	—	—	—	—
36	40	—	4	—	—	36	—	—	—	—	—	—
35	39	—	—	—	—	39	7	—	—	—	—	7
34	1	—	1	—	—	—	—	—	—	—	—	—
33	2	—	2	—	—	—	3	—	3	—	—	—
32	11	—	4	6	—	1	9	—	1	6	—	2
31	3	—	3	—	—	—	1	—	1	—	—	—
30	13	—	8	—	—	5	12	—	5	—	—	7
29	16	—	13	2	—	1	7	—	3	2	—	2
28	20	—	6	—	—	14	15	—	2	—	—	13
27	6	—	5	—	—	1	56	15	7	—	—	34
26	27	14	10	—	—	3	36	—	9	—	—	27
25	8	—	1	—	—	7	30	—	7	—	—	23
24	8	—	2	—	—	6	107	—	4	—	—	103
23	8	2	2	—	—	4	18	—	4	—	—	14
22	12	—	1	—	—	11	18	—	3	—	—	15
21	19	—	5	—	—	14	17	—	2	—	—	15
20	38	—	4	7	—	27	61	1	9	7	—	44
19	7	—	1	—	1	5	24	—	—	—	—	24
≤ 18	12,162	432	412	8,648	167	2,503	12,055	432	415	8,645	169	2,394
										Total trips:		26,342

TRENTON HARBOR, NJ

	Inbound						Outbound					
Grand												
Total	432	—	—	230	135	67	438	—	—	234	137	67

DOMESTIC

Total	432	—	—	230	135	67	438	—	—	234	137	67
27	1	—	—	—	—	1	—	—	—	—	—	—
22	6	—	—	—	6	—	—	—	—	—	—	—
21	6	—	—	—	6	—	—	—	—	—	—	—
17	48	—	—	—	42	6	—	—	—	1	—	—
16	182	—	—	59	72	51	68	—	—	57	11	—
15	34	—	—	31	3	—	36	—	—	36	—	—
14	10	—	—	—	1	9	—	—	—	—	—	—
13	2	—	—	1	1	—	—	—	—	1	—	—
11	67	—	—	67	—	—	68	—	—	68	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

TRENTON HARBOR, NJ - continued

Inbound

Outbound

DOMESTIC

10	6	—	—	6	—	—	6	—	—	5	—	1
≤ 6	70	—	—	66	4	—	258	—	—	66	126	66
Total trips:											870	

WILMINGTON HARBOR, DE

Inbound

Outbound

Grand

Total	1,543	327	24	654	41	497	1,561	342	30	650	41	498
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FOREIGN

Total	338	327	11	—	—	—	359	342	17	—	—	—
42	1	—	1	—	—	—	—	—	—	—	—	—
40	2	2	—	—	—	—	—	—	—	—	—	—
38	4	2	2	—	—	—	4	4	—	—	—	—
37	4	3	1	—	—	—	—	—	—	—	—	—
36	3	3	—	—	—	—	1	1	—	—	—	—
35	2	2	—	—	—	—	3	3	—	—	—	—
34	6	6	—	—	—	—	3	3	—	—	—	—
33	6	5	1	—	—	—	3	3	—	—	—	—
32	3	3	—	—	—	—	5	5	—	—	—	—
31	7	6	1	—	—	—	9	9	—	—	—	—
30	18	17	1	—	—	—	19	19	—	—	—	—
29	51	51	—	—	—	—	24	22	2	—	—	—
28	60	60	—	—	—	—	39	38	1	—	—	—
27	21	19	2	—	—	—	35	28	7	—	—	—
26	25	23	2	—	—	—	23	18	5	—	—	—
25	23	23	—	—	—	—	25	25	—	—	—	—
24	17	17	—	—	—	—	34	34	—	—	—	—
23	20	20	—	—	—	—	35	35	—	—	—	—
22	22	22	—	—	—	—	15	14	1	—	—	—
21	15	15	—	—	—	—	16	16	—	—	—	—
20	15	15	—	—	—	—	12	12	—	—	—	—
19	2	2	—	—	—	—	22	21	1	—	—	—
≤ 18	11	11	—	—	—	—	32	32	—	—	—	—

DOMESTIC

Total	1,205	—	13	654	41	497	1,202	—	13	650	41	498
36	1	—	1	—	—	—	—	—	—	—	—	—
35	1	—	—	—	—	1	—	—	—	—	—	—
34	—	—	—	—	—	—	1	—	1	—	—	—
28	3	—	1	—	—	2	—	—	—	—	—	—
27	1	—	—	—	—	1	—	—	—	—	—	—
26	5	—	—	—	—	5	—	—	—	—	—	—
24	1	—	—	—	—	1	2	—	—	—	—	2
20	4	—	—	—	—	4	1	—	—	—	—	1
≤ 18	1,189	—	11	654	41	483	1,198	—	12	650	41	495
Total trips:											3,104	

INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE BAY, DE AND MD - CHESAPEAKE AND DELAWARE CANAL

Upbound

Downbound

Grand

Total	4,478	405	17	1,804	1,462	790	4,652	570	24	1,805	1,463	790
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FOREIGN

Total	315	304	11	—	—	—	489	472	17	—	—	—
32	33	33	—	—	—	—	36	36	—	—	—	—
31	9	9	—	—	—	—	31	31	—	—	—	—
30	11	11	—	—	—	—	42	42	—	—	—	—
29	14	14	—	—	—	—	51	49	2	—	—	—
28	20	20	—	—	—	—	45	45	—	—	—	—
27	41	39	2	—	—	—	109	104	5	—	—	—
26	36	35	1	—	—	—	45	40	5	—	—	—
25	38	35	3	—	—	—	34	34	—	—	—	—
24	39	37	2	—	—	—	31	31	—	—	—	

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE BAY, DE AND MD - CHESAPEAKE AND DELAWARE CANAL - continued

	Upbound						Downbound					
FOREIGN												
22	14	14	—	—	—	—	13	13	—	—	—	—
21	14	13	1	—	—	—	8	8	—	—	—	—
20	13	13	—	—	—	—	12	7	5	—	—	—
19	3	3	—	—	—	—	3	3	—	—	—	—
18	3	3	—	—	—	—	3	3	—	—	—	—
17	—	—	—	—	—	—	2	2	—	—	—	—
16	2	2	—	—	—	—	3	3	—	—	—	—
15	2	2	—	—	—	—	—	—	—	—	—	—
14	1	1	—	—	—	—	1	1	—	—	—	—
≤ 12	1	1	—	—	—	—	8	8	—	—	—	—
DOMESTIC												
Total	4,163	101	6	1,804	1,462	790	4,163	98	7	1,805	1,463	790
32	2	—	1	1	—	—	8	—	—	7	—	1
31	—	—	—	—	—	—	1	—	1	—	—	—
30	1	—	1	—	—	—	3	—	1	—	—	2
29	1	—	—	1	—	—	5	—	1	4	—	—
28	1	—	1	—	—	—	5	—	—	—	—	5
27	2	—	1	—	—	1	24	—	2	—	16	6
26	1	—	1	—	—	—	9	—	—	—	4	5
25	2	1	—	—	—	1	8	—	1	—	1	6
24	3	—	—	—	—	3	12	—	—	—	—	12
23	10	—	—	—	1	9	9	—	1	—	2	6
22	32	—	—	—	30	2	24	—	—	—	—	24
21	78	—	—	—	74	4	9	—	—	—	1	8
20	26	—	—	4	18	4	20	—	—	2	—	18
19	6	—	—	—	4	2	3	—	—	—	—	3
18	—	—	—	—	—	—	13	—	—	—	—	13
17	103	—	1	56	43	3	91	—	—	58	5	28
16	238	—	—	89	126	23	344	—	—	94	108	142
15	141	—	—	129	6	6	241	—	—	126	—	115
14	24	—	—	18	2	4	72	—	—	23	1	48
13	81	—	—	70	4	7	83	—	—	65	—	18
≤ 12	3,411	100	—	1,436	1,154	721	3,179	98	—	1,426	1,325	330
Total trips:											9,130	

ABSECON CREEK, NJ
No Vessel Trips Reported

ABSECON INLET, NJ
(13 feet and less)

	Upbound						Downbound					
Grand Total	729	725	—	4	—	—	731	725	—	6	—	—
Total trips:											1,460	

ALLOWAY CREEK, NJ
No Vessel Trips Reported

APPOQUINIMINK RIVER, DE
No Vessel Trips Reported

BARNEGAT INLET, NJ
(6 feet and less)

	Upbound						Downbound					
Grand Total	1,400	1,400	—	—	—	—	1,401	1,401	—	—	—	—
Total trips:											2,801	

BIG TIMBER CREEK, NJ
No Vessel Trips Reported

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

BROADKILL RIVER, DE
No Vessel Trips Reported

CAPE MAY CANAL, NJ
(11 feet and less)

				Upbound						Downbound		
Grand												
Total	4,516	4,510	---	5	1	---	4,516	4,510	---	5	1	---
										Total trips:		9,032

COHANSEY RIVER, NJ
(6 feet and less)

				Upbound						Downbound		
Grand												
Total	150	150	---	---	---	---	150	150	---	---	---	---
										Total trips:		300

COLD SPRING INLET, NJ
(6 feet and less)

				Upbound						Downbound		
Grand												
Total	2,609	2,609	---	---	---	---	2,609	2,609	---	---	---	---
										Total trips:		5,218

COOPER RIVER, NJ
No Vessel Trips Reported

HARBOR OF REFUGE, DELAWARE BAY, DE
(12 feet and less)

				Inbound						Outbound		
Grand												
Total	3,169	3,169	---	---	---	---	3,173	3,173	---	---	---	---
										Total trips:		6,342

HOPE CREEK, NJ
No Vessel Trips Reported

INDIAN RIVER INLET AND BAY, DE
(7 feet and less)

				Upbound						Downbound		
Grand												
Total	374	374	---	---	---	---	374	374	---	---	---	---
										Total trips:		748

INLAND WATERWAY BETWEEN REHOBOTH BAY AND DELAWARE BAY, DE
(5 feet and less)

				Upbound						Downbound		
Grand												
Total	484	469	---	15	---	---	484	469	---	15	---	---
										Total trips:		968

LEIPSIC RIVER, DE
(2 feet and less)

				Upbound						Downbound		
Grand												
Total	92	92	---	---	---	---	92	92	---	---	---	---
										Total trips:		184

LITTLE EGG HARBOR, NJ
No Vessel Trips Reported

LITTLE RIVER, DE
No Vessel Trips Reported

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MANASQUAN RIVER, NJ (5 feet and less)												
				Upbound						Downbound		
Grand												
Total	739	737	---	1	---	1	737	735	---	1	---	1
										Total trips:		1,476
MANTUA CREEK, NJ (10 feet and less)												
				Upbound						Downbound		
Grand												
Total	106	---	---	42	64	---	106	---	---	42	64	---
										Total trips:		212
MAURICE RIVER, NJ (8 feet and less)												
				Upbound						Downbound		
Grand												
Total	652	651	---	1	---	---	652	651	---	1	---	---
										Total trips:		1,304
MISPILLION RIVER, DE (9 feet and less)												
				Upbound						Downbound		
Grand												
Total	1,455	1,450	---	3	2	---	1,455	1,450	---	3	2	---
										Total trips:		2,910
MURDERKILL RIVER, DE (2 feet and less)												
				Upbound						Downbound		
Grand												
Total	416	416	---	---	---	---	416	416	---	---	---	---
										Total trips:		832
NEW JERSEY INTRACOASTAL WATERWAY (11 feet and less)												
				Upbound						Downbound		
Grand												
Total	9,936	9,930	---	5	1	---	9,937	9,931	---	5	1	---
										Total trips:		19,873
OLDMANS CREEK, NJ No Vessel Trips Reported												
PEPPER CREEK, DE No Vessel Trips Reported												
SALEM RIVER, NJ (17 feet and less)												
				Upbound						Downbound		
Grand												
Total	71	65	---	5	1	---	68	62	---	4	2	---
										Total trips:		139
SMYRNA RIVER, DE No Vessel Trips Reported												
ST. JONES RIVER, DE No Vessel Trips Reported												

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
TOMS RIVER, NJ (4 feet and less)												
				Upbound							Downbound	
Grand												
Total	168	168	---	---	---	---	168	168	---	---	---	---
										Total trips:		336
TUCKERTON CREEK, NJ No Vessel Trips Reported												
WATERWAY FROM INDIAN RIVER INLET TO REHOBOTH BAY, DE (2 feet and less)												
				Upbound							Downbound	
Grand												
Total	353	353	---	---	---	---	354	354	---	---	---	---
										Total trips:		707

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

BALTIMORE HARBOR AND CHANNELS, MD

	Upbound						Downbound					
Grand												
Total	16,754	5,309	152	7,048	2,300	1,945	16,743	5,306	153	7,043	2,297	1,944

FOREIGN

Total	1,788	1,659	114	6	7	2	1,779	1,656	114	3	5	1
49	1	1	—	—	—	—	2	2	—	—	—	—
48	—	—	—	—	—	—	11	11	—	—	—	—
47	1	1	—	—	—	—	25	24	1	—	—	—
46	8	8	—	—	—	—	5	4	1	—	—	—
45	14	14	—	—	—	—	8	8	—	—	—	—
44	7	6	1	—	—	—	4	3	1	—	—	—
43	4	3	1	—	—	—	2	2	—	—	—	—
42	1	1	—	—	—	—	7	6	1	—	—	—
41	2	2	—	—	—	—	2	2	—	—	—	—
40	8	4	4	—	—	—	8	6	2	—	—	—
39	10	9	1	—	—	—	5	5	—	—	—	—
38	11	10	1	—	—	—	6	6	—	—	—	—
37	17	16	1	—	—	—	9	8	1	—	—	—
36	33	27	6	—	—	—	14	13	1	—	—	—
35	43	37	6	—	—	—	19	19	—	—	—	—
34	53	47	6	—	—	—	30	28	2	—	—	—
33	86	72	14	—	—	—	52	47	5	—	—	—
32	116	107	9	—	—	—	95	94	1	—	—	—
31	120	115	5	—	—	—	79	77	2	—	—	—
30	120	117	3	—	—	—	105	102	3	—	—	—
29	227	219	8	—	—	—	208	204	4	—	—	—
28	161	153	7	1	—	—	178	169	7	—	2	—
27	172	164	8	—	—	—	154	146	8	—	—	—
26	129	118	11	—	—	—	123	110	13	—	—	—
25	120	116	3	1	—	—	118	112	5	1	—	—
24	88	81	7	—	—	—	90	80	10	—	—	—
23	46	44	—	—	2	—	55	49	6	—	—	—
22	35	32	2	—	—	1	61	43	18	—	—	—
21	36	32	4	—	—	—	75	69	6	—	—	—
20	25	20	4	—	—	1	45	37	7	—	—	1
19	15	15	—	—	—	—	30	29	—	—	1	—
≤ 18	79	68	2	4	5	—	154	141	9	2	2	—

DOMESTIC

Total	14,966	3,650	38	7,042	2,293	1,943	14,964	3,650	39	7,040	2,292	1,943
35	3	—	3	—	—	—	1	1	—	—	—	—
34	6	—	6	—	—	—	3	1	2	—	—	—
32	9	—	—	9	—	—	8	—	—	8	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
30	2	—	—	—	—	2	—	—	—	—	—	—
29	4	—	1	3	—	—	4	—	1	3	—	—
28	3	—	—	—	—	3	1	—	1	—	—	—
27	20	—	2	—	12	6	6	—	2	—	—	4
26	10	1	—	—	3	6	7	—	4	—	—	3
25	6	—	—	—	3	3	3	1	—	—	2	—
24	8	—	1	—	1	6	8	—	1	—	4	3
23	8	—	1	—	4	3	17	—	—	—	17	—
22	175	—	—	—	153	22	48	—	1	—	47	—
21	266	—	—	—	262	4	144	—	4	—	140	—
20	66	—	—	2	51	13	61	—	—	2	59	—
19	6	2	—	—	4	—	170	—	—	—	170	—
≤ 18	14,373	3,647	23	7,028	1,800	1,875	14,483	3,647	23	7,027	1,853	1,933
										Total trips:		33,497

SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD

	Upbound						Downbound					
Grand												
Total	1,296	—	—	457	839	—	1,297	—	—	458	839	—

DOMESTIC

Total	1,296	—	—	457	839	—	1,297	—	—	458	839	—
12	—	—	—	—	—	—	1	—	—	—	1	—
11	—	—	—	—	—	—	101	—	—	—	101	—
10	124	—	—	124	—	—	452	—	—	171	281	—
9	76	—	—	76	—	—	249	—	—	107	142	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD - continued

Upbound

Downbound

DOMESTIC

8	138	—	—	138	—	—	228	—	—	130	98	—
7	24	—	—	7	17	—	100	—	—	12	88	—
6	16	—	—	16	—	—	66	—	—	17	49	—
5	147	—	—	13	134	—	39	—	—	20	19	—
4	65	—	—	1	64	—	27	—	—	1	26	—
3	192	—	—	—	192	—	23	—	—	—	23	—
2	429	—	—	—	429	—	11	—	—	—	11	—
1	85	—	—	82	3	—	—	—	—	—	—	—
											Total trips:	2,593

NANTICOKE RIVER (INCLUDING NORTHWEST FORK), DE AND MD

Upbound

Downbound

Grand

Total	496	41	—	229	125	101	457	41	—	198	131	87
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DOMESTIC

Total	496	41	—	229	125	101	457	41	—	198	131	87
15	15	—	—	—	—	15	—	—	—	—	—	—
12	5	—	—	1	1	3	24	—	—	1	23	—
11	25	—	—	1	2	22	11	—	—	1	10	—
10	89	—	—	57	9	23	45	—	—	39	6	—
9	105	—	—	57	29	19	70	—	—	49	21	—
8	57	—	—	39	16	2	42	—	—	37	5	—
7	88	—	—	58	15	15	64	—	—	57	7	—
≤ 6	112	41	—	16	53	2	201	41	—	14	59	87
											Total trips:	953

WICOMICO RIVER, MD (EASTERN SHORE)

Upbound

Downbound

Grand

Total	856	—	—	432	243	181	823	—	—	400	250	173
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DOMESTIC

Total	856	—	—	432	243	181	823	—	—	400	250	173
16	54	—	—	—	—	54	—	—	—	—	—	—
15	43	—	—	—	—	43	—	—	—	—	—	—
14	3	—	—	—	—	3	—	—	—	—	—	—
12	5	—	—	—	—	5	1	—	—	—	1	—
11	47	—	—	—	38	9	1	—	—	—	1	—
10	209	—	—	77	100	32	61	—	—	59	1	1
9	125	—	—	43	64	18	38	—	—	37	1	—
8	75	—	—	44	15	16	42	—	—	41	1	—
7	86	—	—	80	5	1	81	—	—	73	8	—
≤ 6	209	—	—	188	21	—	599	—	—	190	237	172
											Total trips:	1,679

POCOMOKE RIVER, MD

Upbound

Downbound

Grand

Total	1,005	485	—	172	348	—	981	485	—	162	334	—
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DOMESTIC

Total	1,005	485	—	172	348	—	981	485	—	162	334	—
11	3	—	—	—	3	—	—	—	—	—	—	—
10	23	—	—	12	11	—	11	—	—	11	—	—
9	32	—	—	—	32	—	—	—	—	—	—	—
8	170	—	—	143	27	—	136	—	—	136	—	—
7	21	—	—	12	9	—	20	—	—	14	6	—
≤ 6	756	485	—	5	266	—	814	485	—	1	328	—
											Total trips:	1,986

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
WASHINGTON HARBOR, DC												
	Inbound						Outbound					
Grand												
Total	1,789	1,240	—	60	455	34	1,785	1,240	—	60	458	27
DOMESTIC												
Total	1,789	1,240	—	60	455	34	1,785	1,240	—	60	458	27
15	5	—	—	—	—	5	—	—	—	—	—	—
≤ 12	1,784	1,240	—	60	455	29	1,785	1,240	—	60	458	27
	Total trips:											3,574
ANACOSTIA RIVER, DC												
	Upbound						Downbound					
Grand												
Total	549	—	—	60	455	34	545	—	—	60	458	27
DOMESTIC												
Total	549	—	—	60	455	34	545	—	—	60	458	27
15	5	—	—	—	—	5	—	—	—	—	—	—
≤ 12	544	—	—	60	455	29	545	—	—	60	458	27
	Total trips:											1,094
POTOMAC RIVER BELOW WASHINGTON, DC												
	Upbound						Downbound					
Grand												
Total	7,053	5,588	3	496	727	239	7,015	5,587	2	473	722	231
FOREIGN												
Total	30	17	—	7	6	—	30	17	—	7	6	—
21	5	5	—	—	—	—	2	2	—	—	—	—
20	2	—	—	2	—	—	3	2	—	1	—	—
19	1	—	—	1	—	—	4	2	—	2	—	—
≤ 18	22	12	—	4	6	—	21	11	—	4	6	—
DOMESTIC												
Total	7,023	5,571	3	489	721	239	6,985	5,570	2	466	716	231
36	—	—	—	—	—	—	1	—	1	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
32	1	—	—	1	—	—	1	—	—	1	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
28	3	—	—	—	—	3	—	—	—	—	—	—
27	1	—	—	—	—	1	—	—	—	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
25	3	—	1	—	—	2	1	—	—	—	—	1
24	2	—	—	—	—	2	1	—	—	—	—	1
23	3	—	—	—	—	3	4	—	—	—	—	4
22	2	—	—	—	—	2	2	—	—	—	—	2
21	2	—	—	—	—	2	1	—	—	—	—	1
20	2	—	—	—	—	2	—	—	—	—	—	—
≤ 18	7,001	5,571	1	488	721	220	6,974	5,570	1	465	716	222
	Total trips:											14,068
BRETON BAY, MD												
	Upbound						Downbound					
Grand												
Total	305	—	—	108	197	—	334	—	—	138	196	—
DOMESTIC												
Total	305	—	—	108	197	—	334	—	—	138	196	—
12	—	—	—	—	—	—	3	—	—	—	3	—
11	—	—	—	—	—	—	14	—	—	—	14	—
10	16	—	—	16	—	—	51	—	—	24	27	—
9	12	—	—	12	—	—	35	—	—	16	19	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
BRETON BAY, MD - continued												
	Upbound						Downbound					
DOMESTIC												
8	78	—	—	78	—	—	140	—	—	95	45	—
7	2	—	—	2	—	—	21	—	—	3	18	—
6	—	—	—	—	—	—	68	—	—	—	68	—
5	—	—	—	—	—	—	2	—	—	—	2	—
3	101	—	—	—	101	—	—	—	—	—	—	—
2	96	—	—	—	96	—	—	—	—	—	—	—
	Total trips:										639	
ANNAPOLIS HARBOR, MD (13 feet and less)												
	Inbound						Outbound					
Grand												
Total	1,578	1,574	—	2	—	2	1,577	1,574	—	2	—	1
	Total trips:										3,155	
AQUIA CREEK, VA No Vessel Trips Reported												
BACK CREEK, ANNE ARUNDEL COUNTY, MD No Vessel Trips Reported												
BETTERTON HARBOR, MD No Vessel Trips Reported												
BLACK WALNUT HARBOR, MD No Vessel Trips Reported												
BONUM CREEK, VA No Vessel Trips Reported												
BRANSONS COVE, VA No Vessel Trips Reported												
BROAD CREEK RIVER, DE (3 feet and less)												
	Upbound						Downbound					
Grand												
Total	2	2	—	—	—	—	2	2	—	—	—	—
	Total trips:										4	
BROAD CREEK, SOMERSET COUNTY, MD No Vessel Trips Reported												
BROADWATER CREEK, MD No Vessel Trips Reported												
CADLE CREEK, MD No Vessel Trips Reported												
CAMBRIDGE HARBOR, MD (9 feet and less)												
	Inbound						Outbound					
Grand												
Total	4	—	—	2	2	—	2	—	—	—	2	—
	Total trips:										6	

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CHANNEL TO ISLAND CREEK, ST. GEORGE ISLAND, MD
No Vessel Trips Reported

CHESTER RIVER, MD
(10 feet and less)

				Upbound						Downbound		
Grand												
Total	136	24	---	43	69	---	136	24	---	43	69	---
										Total trips:		272

CHOPTANK RIVER, MD
(11 feet and less)

				Upbound						Downbound		
Grand												
Total	253	41	---	92	120	---	225	41	---	63	121	---
										Total trips:		478

CLAIBORNE HARBOR, MD
No Vessel Trips Reported

COAN RIVER, VA
(3 feet and less)

				Upbound						Downbound		
Grand												
Total	30	30	---	---	---	---	30	30	---	---	---	---
										Total trips:		60

CORSICA RIVER, MD
No Vessel Trips Reported

CRISFIELD HARBOR, MD
(7 feet and less)

				Inbound						Outbound		
Grand												
Total	1,219	1,165	---	---	---	54	1,219	1,165	---	---	---	54
										Total trips:		2,438

CUCKOLD CREEK, MD
No Vessel Trips Reported

DUCK POINT COVE, MD
No Vessel Trips Reported

ELK AND LITTLE ELK RIVERS, MD
(4 feet and less)

				Upbound						Downbound		
Grand												
Total	96	96	---	---	---	---	96	96	---	---	---	---
										Total trips:		192

FISHING BAY TRIBUTARIES, DORCHESTER COUNTY, MD
(8 feet and less)

				Upbound						Downbound		
Grand												
Total	45	---	---	17	28	---	39	---	---	11	28	---
										Total trips:		84

FISHING CREEK, CALVERT COUNTY, MD
No Vessel Trips Reported

GOOSE CREEK, SOMMERSET COUNTY, MD
No Vessel Trips Reported

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HERRING BAY AND ROCKHOLD CREEK, MD
No Vessel Trips Reported

HERRING CREEK, MD
No Vessel Trips Reported

HONGA RIVER AND TAR BAY, MD
(5 feet and less)

				Upbound						Downbound		
Grand												
Total	101	---	---	11	90	---	113	---	---	20	93	---
										Total trips:		214

ISLAND CREEK, MD
No Vessel Trips Reported

KNAPPS NARROWS, MD
(7 feet and less)

				Upbound						Downbound		
Grand												
Total	12	---	---	12	---	---	12	---	---	12	---	---
										Total trips:		24

LITTLE CREEK, QUEEN ANNES COUNTY, MD
(7 feet and less)

				Upbound						Downbound		
Grand												
Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:		2

LITTLE WICOMICO RIVER, VA
(2 feet and less)

				Upbound						Downbound		
Grand												
Total	7,890	7,890	---	---	---	---	7,890	7,890	---	---	---	---
										Total trips:		15,780

LOWER MACHODOC CREEK, VA
(6 feet and less)

				Upbound						Downbound		
Grand												
Total	15	---	---	15	---	---	15	---	---	15	---	---
										Total trips:		30

LOWER THOROUGHFARE AT OR NEAR WENONA, DEAL ISLAND, MD
No Vessel Trips Reported

LOWES WHARF, TALBOT COUNTY, MD
No Vessel Trips Reported

MANOKIN RIVER, MD
(4 feet and less)

				Upbound						Downbound		
Grand												
Total	42	---	---	1	41	---	46	---	---	---	46	---
										Total trips:		88

MIDDLE RIVER AND DARK HEAD CREEK, MD
(4 feet and less)

				Upbound						Downbound		
Grand												
Total	80	---	---	14	66	---	71	---	---	13	58	---
										Total trips:		151

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MILL CREEK, MD No Vessel Trips Reported												
MONROE BAY AND CREEK, VA (3 feet and less)												
				Inbound						Outbound		
Grand												
Total	4	4	—	—	—	—	4	4	—	—	—	—
										Total trips:		8
MUDDY HOOK AND TYLER COVES, MD (4 feet and less)												
				Inbound						Outbound		
Grand												
Total	78	—	—	1	77	—	76	—	—	2	74	—
										Total trips:		154
NAN COVE, MD No Vessel Trips Reported												
NANTICOKE RIVER AT BIVALVE, MD No Vessel Trips Reported												
NANTICOKE RIVER AT NANTICOKE, MD No Vessel Trips Reported												
NEALE SOUND, MD No Vessel Trips Reported												
NOMINI BAY AND CREEK, VA No Vessel Trips Reported												
NORTHEAST RIVER, MD No Vessel Trips Reported												
OCCOQUAN CREEK, VA (10 feet and less)												
				Upbound						Downbound		
Grand												
Total	259	—	—	112	147	—	242	—	—	95	147	—
										Total trips:		501
OCEAN CITY HARBOR AND INLET AND SINEPUXENT BAY, MD (10 feet and less)												
				Inbound						Outbound		
Grand												
Total	2,361	2,360	—	—	1	—	2,362	2,361	—	—	1	—
										Total trips:		4,723
PARISH CREEK, MD No Vessel Trips Reported												
PATUXENT RIVER, MD (13 feet and less)												
				Upbound						Downbound		
Grand												
Total	72	4	—	33	12	23	72	4	—	35	14	19
										Total trips:		144

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
POTOMAC RIVER AT ALEXANDRIA, VA (20 feet and less)												
				Inbound						Outbound		
Grand												
Total	5,320	5,283	---	18	19	---	5,309	5,279	---	18	12	---
										Total trips:		10,629
POTOMAC RIVER AT LOWER CEDAR POINT, MD No Vessel Trips Reported												
POTOMAC RIVER AT MT. VERNON, VA (7 feet and less)												
				Inbound						Outbound		
Grand												
Total	837	837	---	---	---	---	838	838	---	---	---	---
										Total trips:		1,675
POTOMAC RIVER, VIRGINIA CHANNEL, DC (6 feet and less)												
				Upbound						Downbound		
Grand												
Total	6	6	---	---	---	---	6	6	---	---	---	---
										Total trips:		12
POTOMAC RIVER, WASHINGTON CHANNEL, DC (8 feet and less)												
				Upbound						Downbound		
Grand												
Total	1,234	1,234	---	---	---	---	1,234	1,234	---	---	---	---
										Total trips:		2,468
QUEENSTOWN HARBOR, MD No Vessel Trips Reported												
RHODES POINT TO TYLERTON, SOMERSET COUNTY, MD (7 feet and less)												
				Upbound						Downbound		
Grand												
Total	347	347	---	---	---	---	347	347	---	---	---	---
										Total trips:		694
ROCK HALL HARBOR, MD No Vessel Trips Reported												
SLAUGHTER CREEK, MD (7 feet and less)												
				Upbound						Downbound		
Grand												
Total	31	---	---	17	14	---	34	---	---	18	16	---
										Total trips:		65
SMITH CREEK, MD No Vessel Trips Reported												
ST. CATHERINES SOUND, MD No Vessel Trips Reported												
ST. JEROME CREEK, MD No Vessel Trips Reported												
ST. MICHAELS HARBOR, MD No Vessel Trips Reported												

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ST. PATRICKS CREEK, MD
No Vessel Trips Reported

ST. PETERS CREEK, MD
No Vessel Trips Reported

TILGHMAN ISLAND HARBOR, MD
No Vessel Trips Reported

TOWN CREEK, MD
No Vessel Trips Reported

TRED AVON RIVER, MD
(11 feet and less)

	Upbound						Downbound					
Grand	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
	4,358	4,212	---	57	89	---	4,342	4,212	---	41	89	---
											Total trips:	8,700

TWITCH COVE AND BIG THOROUGHFARE RIVER, MD
(7 feet and less)

	Upbound						Downbound					
Grand	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
	435	381	---	---	---	54	435	381	---	---	---	54
											Total trips:	870

TYASKIN CREEK, MD
No Vessel Trips Reported

UPPER MACHODOC CREEK, VA
No Vessel Trips Reported

UPPER THOROUGHFARE, DEAL ISLAND, MD
No Vessel Trips Reported

WARWICK RIVER, MD
(6 feet and less)

	Upbound						Downbound					
Grand	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
	9	9	---	---	---	---	9	9	---	---	---	---
											Total trips:	18

WATERWAY FROM LITTLE CHOPTANK RIVER TO CHOPTANK RIVER, MD
No Vessel Trips Reported

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

NORFOLK HARBOR, VA

Upbound

Downbound

Grand

Total	16,333	3,294	649	7,471	3,960	959	16,528	3,436	650	7,472	3,961	1,009
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FOREIGN

Total	1,956	1,836	114	4	1	1	2,104	1,979	116	5	2	2
50	—	—	—	—	—	—	43	43	—	—	—	—
49	—	—	—	—	—	—	16	16	—	—	—	—
48	1	1	—	—	—	—	74	72	2	—	—	—
47	—	—	—	—	—	—	22	22	—	—	—	—
46	—	—	—	—	—	—	16	15	1	—	—	—
45	—	—	—	—	—	—	25	25	—	—	—	—
44	—	—	—	—	—	—	13	13	—	—	—	—
43	2	1	1	—	—	—	26	25	1	—	—	—
42	11	1	10	—	—	—	17	17	—	—	—	—
41	6	5	1	—	—	—	10	10	—	—	—	—
40	8	6	2	—	—	—	23	21	2	—	—	—
39	21	17	4	—	—	—	18	18	—	—	—	—
38	19	16	3	—	—	—	31	30	1	—	—	—
37	45	45	—	—	—	—	65	65	—	—	—	—
36	94	89	5	—	—	—	117	113	4	—	—	—
35	113	109	4	—	—	—	115	108	7	—	—	—
34	107	106	1	—	—	—	112	112	—	—	—	—
33	143	140	3	—	—	—	174	168	6	—	—	—
32	180	174	6	—	—	—	154	146	8	—	—	—
31	180	178	2	—	—	—	137	132	5	—	—	—
30	173	168	5	—	—	—	167	160	7	—	—	—
29	140	132	8	—	—	—	107	103	4	—	—	—
28	130	128	2	—	—	—	105	99	6	—	—	—
27	106	100	6	—	—	—	99	94	5	—	—	—
26	83	73	10	—	—	—	46	42	4	—	—	—
25	83	78	5	—	—	—	59	49	10	—	—	—
24	51	48	3	—	—	—	35	31	4	—	—	—
23	55	50	5	—	—	—	52	46	6	—	—	—
22	45	39	6	—	—	—	44	32	11	1	—	—
21	40	33	7	—	—	—	56	42	12	1	—	1
20	34	32	2	—	—	—	39	34	5	—	—	—
19	17	15	2	—	—	—	26	22	3	—	1	—
≤ 18	69	52	11	4	1	1	61	54	2	3	1	1

DOMESTIC

Total	14,377	1,458	535	7,467	3,959	958	14,424	1,457	534	7,467	3,959	1,007
37	1	—	1	—	—	—	1	—	1	—	—	—
35	—	—	—	—	—	—	12	12	—	—	—	—
34	—	—	—	—	—	—	15	15	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
30	33	32	—	—	—	1	—	—	—	—	—	—
27	15	5	—	—	10	—	1	—	1	—	—	—
26	7	—	4	—	2	1	1	1	—	—	—	—
25	5	—	1	—	4	—	5	—	—	—	4	1
24	6	—	1	—	5	—	2	—	—	—	2	—
23	8	—	—	—	8	—	1	—	—	—	1	—
22	15	—	—	—	3	12	11	—	1	—	10	—
21	3	—	—	—	1	2	9	—	—	—	9	—
20	12	—	—	6	5	1	58	—	—	5	52	1
19	32	26	—	—	6	—	26	—	—	—	26	—
≤ 18	14,239	1,395	527	7,461	3,915	941	14,282	1,429	531	7,462	3,855	1,005
Total trips:											32,861	

HAMPTON ROADS, VA

Inbound

Outbound

Grand

Total	19,312	4,130	677	8,681	4,784	1,040	19,791	4,275	675	8,684	5,111	1,046
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FOREIGN

Total	2,491	2,343	140	5	1	2	2,643	2,489	139	8	5	2
50	—	—	—	—	—	—	43	43	—	—	—	—
49	—	—	—	—	—	—	20	20	—	—	—	—
48	1	1	—	—	—	—	89	85	4	—	—	—
47	—	—	—	—	—	—	34	34	—	—	—	—
46	1	1	—	—	—	—	87	85	2	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HAMPTON ROADS, VA - continued

	Inbound						Outbound					
FOREIGN												
45	1	1	—	—	—	—	42	42	—	—	—	—
44	—	—	—	—	—	—	24	24	—	—	—	—
43	2	1	1	—	—	—	43	42	1	—	—	—
42	12	2	10	—	—	—	22	22	—	—	—	—
41	8	7	1	—	—	—	16	16	—	—	—	—
40	10	8	2	—	—	—	31	29	2	—	—	—
39	26	22	4	—	—	—	26	25	1	—	—	—
38	27	20	7	—	—	—	38	37	1	—	—	—
37	55	54	1	—	—	—	74	74	—	—	—	—
36	100	95	5	—	—	—	126	122	4	—	—	—
35	133	127	6	—	—	—	127	119	8	—	—	—
34	127	124	3	—	—	—	132	132	—	—	—	—
33	179	169	10	—	—	—	192	186	6	—	—	—
32	219	212	7	—	—	—	179	168	11	—	—	—
31	206	202	4	—	—	—	161	155	6	—	—	—
30	217	211	6	—	—	—	188	180	8	—	—	—
29	184	173	11	—	—	—	127	121	6	—	—	—
28	174	172	2	—	—	—	139	127	12	—	—	—
27	151	144	7	—	—	—	128	120	8	—	—	—
26	105	95	10	—	—	—	65	61	4	—	—	—
25	112	106	6	—	—	—	77	67	10	—	—	—
24	72	69	3	—	—	—	50	45	4	—	1	—
23	77	71	6	—	—	—	61	54	7	—	—	—
22	61	55	6	—	—	—	58	45	12	1	—	—
21	47	40	7	—	—	—	61	47	12	1	—	1
20	43	40	2	1	—	—	45	40	5	—	—	—
19	24	22	2	—	—	—	29	25	3	—	1	—
≤ 18	117	99	11	4	1	2	109	97	2	6	3	1
DOMESTIC												
Total	16,821	1,787	537	8,676	4,783	1,038	17,148	1,786	536	8,676	5,106	1,044
37	1	—	1	—	—	—	1	—	1	—	—	—
35	—	—	—	—	—	—	24	24	—	—	—	—
34	—	—	—	—	—	—	29	29	—	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
30	33	32	—	—	—	1	—	—	—	—	—	—
27	16	5	—	—	10	1	1	—	1	—	—	—
26	8	—	4	—	2	2	1	1	—	—	—	—
25	5	—	1	—	4	—	5	—	—	—	4	1
24	6	—	1	—	5	—	2	—	—	—	2	—
23	8	—	—	—	8	—	169	—	168	—	1	—
22	15	—	—	—	3	12	227	—	1	—	226	—
21	4	—	—	—	1	3	292	—	—	—	292	—
20	12	—	—	6	5	1	130	—	—	5	124	1
19	58	52	—	—	6	—	28	—	—	—	28	—
≤ 18	16,653	1,698	528	8,670	4,739	1,018	16,239	1,732	365	8,671	4,429	1,042
											Total trips:	39,103

CHANNEL TO NEWPORT NEWS, VA

	Upbound						Downbound					
Grand												
Total	13,813	754	128	7,731	4,814	386	13,805	757	125	7,735	4,818	370
FOREIGN												
Total	664	630	32	1	—	1	671	633	32	3	3	—
49	—	—	—	—	—	—	4	4	—	—	—	—
48	—	—	—	—	—	—	15	13	2	—	—	—
47	—	—	—	—	—	—	12	12	—	—	—	—
46	1	1	—	—	—	—	71	70	1	—	—	—
45	1	1	—	—	—	—	17	17	—	—	—	—
44	—	—	—	—	—	—	11	11	—	—	—	—
43	—	—	—	—	—	—	17	17	—	—	—	—
42	1	1	—	—	—	—	5	5	—	—	—	—
41	2	2	—	—	—	—	6	6	—	—	—	—
40	2	2	—	—	—	—	8	8	—	—	—	—
39	5	5	—	—	—	—	8	7	1	—	—	—
38	8	4	4	—	—	—	7	7	—	—	—	—
37	10	9	1	—	—	—	9	9	—	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CHANNEL TO NEWPORT NEWS, VA - continued

Upbound

Downbound

FOREIGN

36	6	6	—	—	—	—	11	11	—	—	—	—
35	20	18	2	—	—	—	16	14	2	—	—	—
34	20	18	2	—	—	—	21	21	—	—	—	—
33	36	29	7	—	—	—	19	19	—	—	—	—
32	40	38	2	—	—	—	25	22	3	—	—	—
31	26	24	2	—	—	—	26	25	1	—	—	—
30	44	43	1	—	—	—	22	21	1	—	—	—
29	44	41	3	—	—	—	21	19	2	—	—	—
28	44	44	—	—	—	—	35	29	6	—	—	—
27	45	44	1	—	—	—	29	26	3	—	—	—
26	22	22	—	—	—	—	19	19	—	—	—	—
25	30	28	2	—	—	—	19	19	—	—	—	—
24	25	24	1	—	—	—	25	23	1	—	1	—
23	25	23	2	—	—	—	14	12	2	—	—	—
22	29	29	—	—	—	—	35	34	1	—	—	—
21	30	29	1	—	—	—	42	39	3	—	—	—
20	26	25	—	1	—	—	16	15	1	—	—	—
19	19	19	—	—	—	—	8	8	—	—	—	—
≤ 18	103	101	1	—	—	1	78	71	2	3	2	—

DOMESTIC

Total	13,149	124	96	7,730	4,814	385	13,134	124	93	7,732	4,815	370
35	—	—	—	—	—	—	12	12	—	—	—	—
34	—	—	—	—	—	—	14	14	—	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
27	1	—	—	—	—	1	—	—	—	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
24	1	—	—	—	1	—	4	—	—	—	4	—
22	—	—	—	—	—	—	216	—	—	—	216	—
21	2	—	—	—	—	2	283	—	—	—	283	—
20	—	—	—	—	—	—	75	—	—	—	75	—
19	26	26	—	—	—	—	3	—	—	—	3	—
≤ 18	13,117	98	95	7,730	4,813	381	12,527	98	93	7,732	4,234	370
										Total trips:		27,618

PORT OF NEWPORT NEWS, VA

Inbound

Outbound

Grand

Total	4,660	636	112	3,368	395	149	4,656	639	106	3,370	398	143
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FOREIGN

Total	535	507	26	1	—	1	539	510	23	3	3	—
49	—	—	—	—	—	—	4	4	—	3	—	—
48	—	—	—	—	—	—	15	13	2	—	—	—
47	—	—	—	—	—	—	12	12	—	—	—	—
46	1	1	—	—	—	—	71	70	1	—	—	—
45	1	1	—	—	—	—	17	17	—	—	—	—
44	—	—	—	—	—	—	11	11	—	—	—	—
43	—	—	—	—	—	—	17	17	—	—	—	—
42	1	1	—	—	—	—	5	5	—	—	—	—
41	2	2	—	—	—	—	6	6	—	—	—	—
40	2	2	—	—	—	—	8	8	—	—	—	—
39	5	5	—	—	—	—	8	7	1	—	—	—
38	8	4	4	—	—	—	7	7	—	—	—	—
37	10	9	1	—	—	—	9	9	—	—	—	—
36	6	6	—	—	—	—	9	9	—	—	—	—
35	20	18	2	—	—	—	12	11	1	—	—	—
34	20	18	2	—	—	—	20	20	—	—	—	—
33	36	29	7	—	—	—	18	18	—	—	—	—
32	39	38	1	—	—	—	25	22	3	—	—	—
31	26	24	2	—	—	—	24	23	1	—	—	—
30	44	43	1	—	—	—	21	20	1	—	—	—
29	44	41	3	—	—	—	20	18	2	—	—	—
28	44	44	—	—	—	—	34	28	6	—	—	—
27	45	44	1	—	—	—	29	26	3	—	—	—
26	22	22	—	—	—	—	19	19	—	—	—	—
25	29	28	1	—	—	—	18	18	—	—	—	—
24	21	21	—	—	—	—	15	14	—	—	1	—
23	22	21	1	—	—	—	9	8	1	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT OF NEWPORT NEWS, VA - continued

	Inbound						Outbound					
FOREIGN												
22	16	16	—	—	—	—	14	13	1	—	—	—
21	7	7	—	—	—	—	5	5	—	—	—	—
20	9	8	—	1	—	—	6	6	—	—	—	—
19	7	7	—	—	—	—	3	3	—	—	—	—
≤ 18	48	47	—	—	—	1	48	43	—	3	2	—
DOMESTIC												
Total	4,125	129	86	3,367	395	148	4,117	129	83	3,367	395	143
35	—	—	—	—	—	—	12	12	—	—	—	—
34	—	—	—	—	—	—	14	14	—	—	—	—
22	—	—	—	—	—	—	216	—	—	—	216	—
21	1	—	—	—	—	1	73	—	—	—	73	—
20	—	—	—	—	—	—	72	—	—	—	72	—
19	26	26	—	—	—	—	2	—	—	—	2	—
≤ 18	4,098	103	86	3,367	395	147	3,728	103	83	3,367	32	143
Total trips:											9,316	

PORT OF RICHMOND, VA

	Inbound						Outbound					
Grand												
Total	1,390	1,031	8	152	109	90	1,392	1,032	8	156	107	89
FOREIGN												
Total	83	82	1	—	—	—	84	83	1	—	—	—
28	—	—	—	—	—	—	1	1	—	—	—	—
23	2	2	—	—	—	—	—	—	—	—	—	—
22	9	9	—	—	—	—	11	11	—	—	—	—
21	21	21	—	—	—	—	34	34	—	—	—	—
20	13	13	—	—	—	—	7	7	—	—	—	—
19	10	10	—	—	—	—	5	5	—	—	—	—
18	6	6	—	—	—	—	8	8	—	—	—	—
17	13	12	1	—	—	—	2	2	—	—	—	—
16	4	4	—	—	—	—	6	6	—	—	—	—
15	1	1	—	—	—	—	7	7	—	—	—	—
14	—	—	—	—	—	—	1	—	1	—	—	—
13	1	1	—	—	—	—	1	1	—	—	—	—
≤ 12	3	3	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	1,307	949	7	152	109	90	1,308	949	7	156	107	89
18	—	—	—	—	—	—	1	—	—	—	—	1
17	7	—	—	—	—	7	—	—	—	—	—	—
16	4	—	—	—	—	4	—	—	—	—	—	—
15	39	—	—	6	—	33	25	—	—	6	—	19
13	8	—	—	—	—	8	7	—	—	—	—	7
≤ 12	1,249	949	7	146	109	38	1,275	949	7	150	107	62
Total trips:											2,782	

PORT OF HOPEWELL, VA

	Inbound						Outbound					
Grand												
Total	750	41	5	397	150	157	734	40	8	385	150	151
FOREIGN												
Total	46	41	5	—	—	—	48	40	8	—	—	—
27	1	—	1	—	—	—	12	11	1	—	—	—
25	1	—	1	—	—	—	1	1	—	—	—	—
24	4	3	1	—	—	—	10	9	1	—	—	—
23	1	—	1	—	—	—	5	4	1	—	—	—
22	4	4	—	—	—	—	10	10	—	—	—	—
21	2	1	1	—	—	—	3	—	3	—	—	—
20	4	4	—	—	—	—	3	2	1	—	—	—
19	2	2	—	—	—	—	—	—	—	—	—	—
18	3	3	—	—	—	—	2	1	1	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT OF HOPEWELL, VA - continued

Inbound

Outbound

FOREIGN

17	2	2	—	—	—	—	1	1	—	—	—	—
16	2	2	—	—	—	—	—	—	—	—	—	—
15	5	5	—	—	—	—	—	—	—	—	—	—
14	7	7	—	—	—	—	—	—	—	—	—	—
13	3	3	—	—	—	—	1	1	—	—	—	—
≤ 12	5	5	—	—	—	—	—	—	—	—	—	—

DOMESTIC

Total	704	—	—	397	150	157	686	—	—	385	150	151
24	1	—	—	—	1	—	4	—	—	—	4	—
21	1	—	—	—	—	1	—	—	—	—	—	—
20	—	—	—	—	—	—	3	—	—	—	3	—
19	—	—	—	—	—	—	1	—	—	—	1	—
16	49	—	—	10	—	39	14	—	14	—	—	—
15	47	—	—	2	—	45	1	—	1	—	—	—
14	34	—	—	4	1	29	64	—	6	—	57	1
13	3	—	—	—	—	3	1	—	—	—	—	1
≤ 12	569	—	—	381	148	40	598	—	—	364	85	149

Total trips: 1,484

JAMES RIVER, VA

Upbound

Downbound

Grand

Total	20,790	7,997	15	6,024	6,509	245	20,786	7,997	18	6,023	6,508	240
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FOREIGN

Total	129	123	6	—	—	—	132	123	9	—	—	—
36	—	—	—	—	—	—	2	2	—	—	—	—
35	—	—	—	—	—	—	4	3	1	—	—	—
34	—	—	—	—	—	—	1	1	—	—	—	—
33	—	—	—	—	—	—	1	1	—	—	—	—
32	1	—	1	—	—	—	—	—	—	—	—	—
31	—	—	—	—	—	—	2	2	—	—	—	—
30	—	—	—	—	—	—	1	1	—	—	—	—
29	—	—	—	—	—	—	1	1	—	—	—	—
28	—	—	—	—	—	—	1	1	—	—	—	—
25	1	—	1	—	—	—	1	1	—	—	—	—
24	4	3	1	—	—	—	10	9	1	—	—	—
23	3	2	1	—	—	—	5	4	1	—	—	—
22	13	13	—	—	—	—	21	4	—	—	—	—
21	23	22	1	—	—	—	37	34	3	—	—	—
20	17	17	—	—	—	—	10	9	1	—	—	—
19	12	12	—	—	—	—	5	5	—	—	—	—
18	9	9	—	—	—	—	10	9	1	—	—	—
17	15	14	1	—	—	—	3	3	—	—	—	—
16	6	6	—	—	—	—	6	6	—	—	—	—
15	6	6	—	—	—	—	7	7	—	—	—	—
14	7	7	—	—	—	—	1	—	1	—	—	—
13	4	4	—	—	—	—	2	2	—	—	—	—
≤ 12	8	8	—	—	—	—	1	1	—	—	—	—

DOMESTIC

Total	20,661	7,874	9	6,024	6,509	245	20,654	7,874	9	6,023	6,508	240
24	1	—	—	—	1	—	4	—	—	—	4	—
21	1	—	—	—	—	1	—	—	—	—	—	—
20	—	—	—	—	—	—	3	—	—	—	3	—
19	104	—	—	—	104	—	1	—	—	—	1	—
18	82	—	—	82	—	—	1	—	—	—	—	1
17	7	—	—	—	—	7	68	—	—	68	—	—
16	54	—	—	11	—	43	14	—	—	14	—	—
15	88	—	—	10	—	78	26	—	—	7	—	19
14	37	—	—	7	1	29	65	—	—	7	57	1
13	13	—	—	2	—	11	78	—	—	2	68	8
≤ 12	20,274	7,874	9	5,912	6,403	76	20,394	7,874	9	5,925	6,375	211

Total trips: 41,576

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HAMPTON CREEK, VA

	Upbound						Downbound					
Grand Total	1,631	405	73	555	598	—	1,628	405	70	558	595	—
DOMESTIC												
Total	1,631	405	73	555	598	—	1,628	405	70	558	595	—
10	1	—	—	1	—	—	2	—	—	1	1	—
9	55	—	55	—	—	—	—	—	—	—	—	—
8	130	—	9	121	—	—	123	—	1	121	1	—
7	443	—	9	398	36	—	402	—	—	401	1	—
≤ 6	1,002	405	—	35	562	—	1,101	405	69	35	592	—
										Total trips:	3,259	

APPOMATTOX RIVER, VA

	Upbound						Downbound					
Grand Total	10,994	—	—	5,328	5,666	—	10,993	—	—	5,327	5,666	—
DOMESTIC												
Total	10,994	—	—	5,328	5,666	—	10,993	—	—	5,327	5,666	—
9	1,009	—	—	1,009	—	—	1,098	—	—	1,098	—	—
8	1,895	—	—	1,854	41	—	1,815	—	—	1,811	4	—
7	1,676	—	—	1,676	—	—	4,222	—	—	1,739	2,483	—
6	280	—	—	280	—	—	2,735	—	—	280	2,455	—
5	51	—	—	51	—	—	225	—	—	51	174	—
4	307	—	—	307	—	—	66	—	—	—	66	—
3	151	—	—	151	—	—	155	—	—	151	4	—
2	5,625	—	—	—	5,625	—	677	—	—	197	480	—
										Total trips:	21,987	

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (NORFOLK DISTRICT) VIA GREAT BRIDGE LOCK ROUTE

	Upbound						Downbound					
Grand Total	2,716	5	—	1,368	1,250	93	2,711	20	—	1,349	1,236	106
DOMESTIC												
Total	2,716	5	—	1,368	1,250	93	2,711	20	—	1,349	1,236	106
14	2	—	—	2	—	—	—	—	—	—	—	—
12	2	—	—	2	—	—	—	—	—	—	—	—
11	21	—	—	2	11	8	3	—	—	2	1	—
10	77	—	—	43	16	18	81	—	—	37	29	15
9	100	1	—	82	17	—	119	—	—	49	22	48
8	466	—	—	419	47	—	421	—	—	416	5	—
7	690	1	—	599	90	—	1,292	16	—	639	630	7
≤ 6	1,358	3	—	219	1,069	67	795	4	—	206	549	36
										Total trips:	5,427	

PAMUNKEY RIVER, VA

	Upbound						Downbound					
Grand Total	710	13	—	279	362	56	715	18	—	279	362	56
FOREIGN												
Total	13	13	—	—	—	—	18	18	—	—	—	—
17	—	—	—	—	—	—	18	18	—	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	5	5	—	—	—	—	—	—	—	—	—	—
14	2	2	—	—	—	—	—	—	—	—	—	—
13	2	2	—	—	—	—	—	—	—	—	—	—
12	2	2	—	—	—	—	—	—	—	—	—	—
11	1	1	—	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PAMUNKEY RIVER, VA - continued

Upbound

Downbound

DOMESTIC

Total	697	---	---	279	362	56	697	---	---	279	362	56
12	---	---	---	---	---	---	16	---	---	---	16	---
11	---	---	---	---	---	---	37	---	---	---	37	---
10	16	---	---	15	---	1	9	---	---	9	---	---
9	17	---	---	17	---	---	14	---	---	12	2	---
8	212	---	---	206	2	4	208	---	---	208	---	---
7	140	---	---	20	69	51	17	---	---	17	---	---
≤ 6	312	---	---	21	291	---	396	---	---	33	307	56
Total trips:											1,425	

YORK RIVER, VA

Upbound

Downbound

Grand

Total	2,311	567	41	841	384	478	2,286	560	45	829	346	506
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FOREIGN

Total	61	30	31	---	---	---	58	23	35	---	---	---
38	2	---	2	---	---	---	---	---	---	---	---	---
37	2	---	2	---	---	---	---	---	---	---	---	---
36	12	---	12	---	---	---	---	---	---	---	---	---
35	8	---	8	---	---	---	2	---	2	---	---	---
34	2	---	2	---	---	---	1	---	1	---	---	---
33	---	---	---	---	---	---	1	---	1	---	---	---
31	---	---	---	---	---	---	1	---	1	---	---	---
30	1	---	1	---	---	---	1	---	1	---	---	---
29	3	---	3	---	---	---	2	---	2	---	---	---
28	---	---	---	---	---	---	2	---	2	---	---	---
27	---	---	---	---	---	---	5	---	5	---	---	---
26	---	---	---	---	---	---	1	---	1	---	---	---
25	---	---	---	---	---	---	5	---	5	---	---	---
24	---	---	---	---	---	---	9	---	9	---	---	---
23	---	---	---	---	---	---	2	---	2	---	---	---
21	---	---	---	---	---	---	1	---	1	---	---	---
20	---	---	---	---	---	---	13	13	---	---	---	---
19	2	1	1	---	---	---	8	7	1	---	---	---
≤ 18	29	29	---	---	---	---	4	3	1	---	---	---

DOMESTIC

Total	2,250	537	10	841	384	478	2,228	537	10	829	346	506
38	1	---	1	---	---	---	---	---	---	---	---	---
36	1	---	---	---	---	1	---	---	---	---	---	---
35	1	---	---	---	---	1	---	---	---	---	---	---
34	1	---	1	---	---	---	---	---	---	---	---	---
33	---	---	---	---	---	---	1	---	1	---	---	---
32	1	---	1	---	---	---	1	---	1	---	---	---
26	1	---	---	---	---	1	---	---	---	---	---	---
25	---	---	---	---	---	---	4	---	1	---	---	3
24	1	---	---	---	---	1	27	---	---	---	---	27
23	1	---	---	---	---	1	4	---	---	---	---	4
22	2	---	1	---	---	1	2	---	---	---	---	2
21	1	---	---	---	---	1	20	---	---	---	---	20
20	4	---	---	---	---	4	6	---	---	---	---	6
19	3	---	---	---	---	3	7	---	---	---	---	7
≤ 18	2,232	537	6	841	384	464	2,156	537	7	829	346	437
Total trips:											4,597	

RAPPAHANNOCK RIVER, VA

Upbound

Downbound

Grand

Total	3,274	2,732	---	277	265	---	3,276	2,731	---	284	261	---
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DOMESTIC

Total	3,274	2,732	---	277	265	---	3,276	2,731	---	284	261	---
11	---	---	---	---	---	---	41	---	---	---	41	---

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

RAPPAHANNOCK RIVER, VA - continued

Upbound							Downbound					
DOMESTIC												
10	—	—	—	—	—	—	30	—	—	—	30	—
9	8	—	—	8	—	—	84	—	—	13	71	—
8	208	69	—	139	—	—	319	69	—	148	102	—
7	138	75	—	62	1	—	147	75	—	61	11	—
≤ 6	2,920	2,588	—	68	264	—	2,655	2,587	—	62	6	—
											Total trips:	6,550

ABERDEEN CREEK, VA
(3 feet and less)

Upbound							Downbound					
Grand												
Total	204	204	—	—	—	—	204	204	—	—	—	—
											Total trips:	408

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (NORFOLK DISTRICT) DISMAL SWAMP AND PASQUOTANK RIVER
(8 feet and less)

Upbound							Downbound					
Grand												
Total	166	—	—	55	111	—	144	—	—	47	93	4
											Total trips:	310

BEACH CREEK, VA
(3 feet and less)

Upbound							Downbound					
Grand												
Total	130	130	—	—	—	—	130	130	—	—	—	—
											Total trips:	260

BROAD CREEK, VA
(3 feet and less)

Upbound							Downbound					
Grand												
Total	384	384	—	—	—	—	384	384	—	—	—	—
											Total trips:	768

CAPE CHARLES CITY HARBOR, VA
(15 feet and less)

Inbound							Outbound					
Grand												
Total	930	111	—	456	363	—	917	111	—	418	387	1
											Total trips:	1,847

CARTERS CREEK, VA
(6 feet and less)

Upbound							Downbound					
Grand												
Total	339	339	—	—	—	—	339	339	—	—	—	—
											Total trips:	678

CHANNEL CONNECTING YORK RIVER, VA, WITH BACK CREEK TO SLAIGHTS WHARF, VA
(3 feet and less)

Upbound							Downbound					
Grand												
Total	415	415	—	—	—	—	415	415	—	—	—	—
											Total trips:	830

CHANNEL FROM PHOEBUS, VA (TO DEEP WATER IN HAMPTON ROADS, VA)
No Vessel Trips Reported

CHESCONESSEX CREEK, VA
No Vessel Trips Reported

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
LITTLE MACHIPONGO RIVER, VA No Vessel Trips Reported												
LITTLE RIVER (CREEK), VA (14 feet and less)												
				Upbound						Downbound		
Grand												
Total	709	---	---	394	287	28	721	---	---	428	265	28
										Total trips:		1,430
LOCKLIES CREEK, VA (3 feet and less)												
				Upbound						Downbound		
Grand												
Total	55	55	---	---	---	---	55	55	---	---	---	---
										Total trips:		110
LYNHAVEN ROADS, INLET, AND CONNECTING WATERS, VA (11 feet and less)												
				Upbound						Downbound		
Grand												
Total	37	19	---	8	10	---	32	19	---	13	---	---
										Total trips:		69
MATTAPONI RIVER, VA No Vessel Trips Reported												
MEHERRIN RIVER, NC No Vessel Trips Reported												
MILFORD HAVEN, VA (3 feet and less)												
				Upbound						Downbound		
Grand												
Total	908	908	---	---	---	---	908	908	---	---	---	---
										Total trips:		1,816
MILL CREEK, VA (3 feet and less)												
				Upbound						Downbound		
Grand												
Total	130	130	---	---	---	---	130	130	---	---	---	---
										Total trips:		260
MULBERRY CREEK, VA (3 feet and less)												
				Upbound						Downbound		
Grand												
Total	253	253	---	---	---	---	253	253	---	---	---	---
										Total trips:		506
NANDUA CREEK, VA No Vessel Trips Reported												
NANSEMOND RIVER, VA (9 feet and less)												
				Upbound						Downbound		
Grand												
Total	331	103	---	149	79	---	261	103	---	79	79	---
										Total trips:		592

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
NEWPORT NEWS CREEK, VA (15 feet and less)												
				Upbound						Downbound		
Grand												
Total	119	99	---	19	1	---	112	98	---	13	1	---
										Total trips:		231
OCCOHANNOCK CREEK, VA (3 feet and less)												
				Upbound						Downbound		
Grand												
Total	621	621	---	---	---	---	617	617	---	---	---	---
										Total trips:		1,238
ONANCOCK RIVER, VA (10 feet and less)												
				Upbound						Downbound		
Grand												
Total	580	481	---	51	39	9	552	456	---	50	39	7
										Total trips:		1,132
OYSTER CHANNEL, VA No Vessel Trips Reported												
PAGAN RIVER, VA (6 feet and less)												
				Upbound						Downbound		
Grand												
Total	7	---	---	6	1	---	6	---	---	5	1	---
										Total trips:		13
PARKER CREEK, VA No Vessel Trips Reported												
PARROTTS CREEK, VA No Vessel Trips Reported												
QUEENS CREEK, VA No Vessel Trips Reported												
QUINBY CREEK, VA No Vessel Trips Reported												
STARLINGS CREEK, VA (3 feet and less)												
				Upbound						Downbound		
Grand												
Total	371	371	---	---	---	---	371	371	---	---	---	---
										Total trips:		742
TANGIER CHANNEL, VA (9 feet and less)												
				Upbound						Downbound		
Grand												
Total	1,676	1,661	15	---	---	---	1,676	1,661	15	---	---	---
										Total trips:		3,352
TOTUSKEY CREEK, VA No Vessel Trips Reported												
TYLERS BEACH, VA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
URBANNA CREEK, VA (9 feet and less)												
				Upbound						Downbound		
Grand												
Total	15	---	---	8	7	---	13	---	---	8	5	---
										Total trips:		28
WILLOUGHBY CHANNEL, VA (3 feet and less)												
				Upbound						Downbound		
Grand												
Total	140	140	---	---	---	---	140	140	---	---	---	---
										Total trips:		280
WINTER HARBOR, VA (3 feet and less)												
				Inbound						Outbound		
Grand												
Total	274	274	---	---	---	---	274	274	---	---	---	---
										Total trips:		548
WISHART POINT CHANNEL, VA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PAMLICO AND TAR RIVERS, NC

Upbound							Downbound					
Grand												
Total	3,020	671	—	1,448	239	662	2,982	671	—	1,421	239	651
FOREIGN												
Total	614	—	—	614	—	—	587	—	—	587	—	—
8	614	—	—	614	—	—	587	—	—	587	—	—
DOMESTIC												
Total	2,406	671	—	834	239	662	2,395	671	—	834	239	651
11	—	—	—	—	—	—	9	—	—	—	—	9
10	50	—	—	7	—	43	349	—	—	6	226	117
9	190	—	—	8	—	182	19	—	—	9	—	10
8	618	—	—	614	—	4	587	—	—	587	—	—
7	147	—	—	147	—	—	174	—	—	166	8	—
≤ 6	1,401	671	—	58	239	433	1,257	671	—	66	5	515
Total trips:											6,002	

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (WILMINGTON DISTRICT)

Upbound							Downbound					
Grand												
Total	14,293	11,846	—	1,225	443	779	14,282	11,793	—	1,279	432	778
DOMESTIC												
Total	14,293	11,846	—	1,225	443	779	14,282	11,793	—	1,279	432	778
14	2	—	—	2	—	—	—	—	—	—	—	—
12	252	250	—	2	—	—	1	—	—	—	—	1
11	21	—	—	2	11	8	5	—	—	2	1	2
10	207	95	—	30	16	66	491	95	—	24	255	117
9	236	1	—	20	17	198	64	—	—	23	22	19
8	798	—	—	692	47	59	744	—	—	740	4	—
7	324	21	—	212	90	1	283	36	—	236	2	9
≤ 6	12,453	11,479	—	265	262	447	12,694	11,662	—	254	148	630
Total trips:											28,575	

MOREHEAD CITY HARBOR, NC

Inbound							Outbound					
Grand												
Total	1,988	119	72	891	236	670	1,985	118	71	890	235	671
FOREIGN												
Total	188	119	63	3	3	—	184	118	62	2	2	—
34	33	19	14	—	—	—	65	52	13	—	—	—
33	5	1	4	—	—	—	8	5	3	—	—	—
32	13	5	8	—	—	—	10	4	6	—	—	—
31	5	3	2	—	—	—	6	3	3	—	—	—
30	5	3	—	1	1	—	5	4	1	—	—	—
29	6	4	2	—	—	—	10	8	2	—	—	—
28	11	6	5	—	—	—	7	3	4	—	—	—
27	10	6	4	—	—	—	4	2	2	—	—	—
26	13	11	2	—	—	—	4	1	3	—	—	—
25	5	3	2	—	—	—	8	1	7	—	—	—
24	5	2	3	—	—	—	9	2	5	1	1	—
23	10	6	4	—	—	—	1	1	—	—	—	—
22	8	5	3	—	—	—	3	1	2	—	—	—
21	9	9	—	—	—	—	9	6	2	—	1	—
20	13	13	—	—	—	—	3	—	3	—	—	—
19	8	6	2	—	—	—	2	2	—	—	—	—
≤ 18	29	17	8	2	2	—	30	23	6	1	—	—
DOMESTIC												
Total	1,800	—	9	888	233	670	1,801	—	9	888	233	671
34	5	—	5	—	—	—	—	—	—	—	—	—
33	3	—	3	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	1	—	1	—	—	—
28	—	—	—	—	—	—	1	—	1	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

MOREHEAD CITY HARBOR, NC - continued

	Inbound						Outbound					
DOMESTIC												
27	—	—	—	—	—	—	1	—	1	—	—	—
26	—	—	—	—	—	—	1	—	1	—	—	—
25	—	—	—	—	—	—	1	—	1	—	—	—
24	1	—	1	—	—	—	—	—	—	—	—	—
21	2	—	—	—	—	—	—	—	—	—	—	—
≤ 18	1,789	—	—	888	233	668	1,796	—	4	888	233	671
Total trips:											3,973	

PORT OF WILMINGTON, NC

	Inbound						Outbound					
Grand												
Total	14,112	10,761	265	1,341	1,147	598	14,105	10,752	268	1,335	1,149	601

FOREIGN

Total	609	432	166	4	7	—	615	424	177	3	10	1
39	5	5	—	—	—	—	2	2	—	—	—	—
38	15	15	—	—	—	—	5	5	—	—	—	—
37	14	13	1	—	—	—	23	23	—	—	—	—
36	17	17	—	—	—	—	28	28	—	—	—	—
35	38	35	3	—	—	—	41	41	—	—	—	—
34	40	35	5	—	—	—	39	39	—	—	—	—
33	38	31	7	—	—	—	25	25	—	—	—	—
32	31	20	11	—	—	—	24	19	5	—	—	—
31	46	32	14	—	—	—	25	22	3	—	—	—
30	41	23	18	—	—	—	34	27	7	—	—	—
29	51	19	32	—	—	—	23	16	7	—	—	—
28	52	25	27	—	—	—	39	20	18	—	1	—
27	37	22	14	1	—	—	49	26	23	—	—	—
26	38	24	14	—	—	—	37	15	21	—	1	—
25	34	23	9	1	1	—	27	15	12	—	—	—
24	22	18	4	—	—	—	34	14	19	—	1	—
23	14	11	2	—	1	—	35	17	17	—	1	—
22	9	7	2	—	—	—	23	11	12	—	—	—
21	15	12	2	—	1	—	21	11	7	—	2	1
20	7	7	—	—	—	—	16	11	5	—	—	—
19	7	6	1	—	—	—	10	6	4	—	—	—
≤ 18	38	32	—	2	4	—	55	31	17	3	4	—

DOMESTIC

Total	13,503	10,329	99	1,337	1,140	598	13,490	10,328	91	1,332	1,139	600
38	1	—	1	—	—	—	1	—	1	—	—	—
37	4	—	4	—	—	—	—	—	—	—	—	—
36	7	—	7	—	—	—	5	—	5	—	—	—
35	6	—	6	—	—	—	3	—	3	—	—	—
34	8	—	8	—	—	—	1	—	1	—	—	—
33	12	—	12	—	—	—	3	—	3	—	—	—
32	9	—	7	2	—	—	9	—	8	1	—	—
31	13	—	12	—	—	1	1	—	1	—	—	—
30	12	—	12	—	—	—	9	—	9	—	—	—
29	10	—	9	—	—	1	6	—	6	—	—	—
28	8	—	6	—	—	2	9	—	9	—	—	—
27	6	—	5	—	—	1	2	—	2	—	—	—
26	4	—	4	—	—	—	8	—	7	—	—	1
25	10	—	2	—	—	8	7	—	6	—	—	1
24	11	—	1	—	—	10	8	—	8	—	—	—
23	6	—	2	—	—	4	5	—	5	—	—	—
22	5	—	—	—	—	5	2	—	1	—	—	1
21	1	—	—	—	—	—	12	—	12	—	—	—
20	9	—	—	7	—	—	9	—	1	8	—	—
19	3	—	—	—	—	2	3	—	—	—	—	1
≤ 18	13,358	10,329	1	1,328	1,140	560	13,389	10,328	3	1,323	1,139	596
Total trips:											28,217	

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)

Upbound

Downbound

Grand

Total	20,198	16,314	264	1,627	1,263	730	20,181	16,319	270	1,593	1,269	730
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FOREIGN

Total	688	432	166	4	7	79	694	424	177	3	10	80
38	20	20	—	—	—	—	7	7	—	—	—	—
37	14	13	1	—	—	—	23	23	—	—	—	—
36	17	17	—	—	—	—	28	28	—	—	—	—
35	38	35	3	—	—	—	41	41	—	—	—	—
34	40	35	5	—	—	—	39	39	—	—	—	—
33	38	31	7	—	—	—	25	25	—	—	—	—
32	31	20	11	—	—	—	24	19	5	—	—	—
31	46	32	14	—	—	—	25	22	3	—	—	—
30	41	23	18	—	—	—	34	27	7	—	—	—
29	51	19	32	—	—	—	23	16	7	—	—	—
28	52	25	27	—	—	—	39	20	18	—	1	—
27	37	22	14	1	—	—	49	26	23	—	—	—
26	38	24	14	—	—	—	37	15	21	—	1	—
25	34	23	9	1	1	—	27	15	12	—	—	—
24	22	18	4	—	—	—	34	14	19	—	1	—
23	14	11	2	—	1	—	35	17	17	—	1	—
22	9	7	2	—	—	—	23	11	12	—	—	—
21	15	12	2	—	1	—	21	11	7	—	2	1
20	7	7	—	—	—	—	16	11	5	—	—	—
19	7	6	1	—	—	—	10	6	4	—	—	—
≤ 18	117	32	—	2	4	79	134	31	17	3	4	79

DOMESTIC

Total	19,510	15,882	98	1,623	1,256	651	19,487	15,895	93	1,590	1,259	650
38	1	—	1	—	—	—	1	—	1	—	—	—
37	4	—	4	—	—	—	—	—	—	—	—	—
36	6	—	6	—	—	—	6	—	6	—	—	—
35	6	—	6	—	—	—	3	—	3	—	—	—
34	7	—	7	—	—	—	2	—	2	—	—	—
33	12	—	12	—	—	—	3	—	3	—	—	—
32	9	—	7	2	—	—	10	—	9	1	—	—
31	12	—	11	—	—	1	2	—	2	—	—	—
30	12	—	12	—	—	—	9	—	9	—	—	—
29	11	—	10	—	—	1	5	—	5	—	—	—
28	7	—	5	—	—	2	10	—	10	—	—	—
27	11	—	5	—	5	1	2	—	2	—	—	—
26	5	—	4	—	—	1	8	—	7	—	—	1
25	13	—	3	—	—	10	7	—	5	—	—	2
24	13	—	1	—	—	12	8	—	8	—	—	—
23	12	—	3	—	1	8	4	—	4	—	—	—
22	8	—	—	—	1	7	2	—	1	—	1	—
21	8	—	—	—	—	8	12	—	12	—	—	—
20	15	—	—	12	—	3	11	—	1	10	—	—
19	7	—	—	—	—	7	2	—	—	—	1	1
≤ 18	19,331	15,882	1	1,609	1,249	590	19,380	15,895	3	1,579	1,257	646

Total trips: 40,379

CAPE FEAR RIVER ABOVE WILMINGTON, NC

Upbound

Downbound

Grand

Total	398	—	—	200	—	198	398	—	—	201	—	197
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DOMESTIC

Total	398	—	—	200	—	198	398	—	—	201	—	197
≤ 12	398	—	—	200	—	198	398	—	—	201	—	197

Total trips: 796

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

NORTHEAST (CAPE FEAR) RIVER, NC

Upbound

Downbound

Grand

Total	641	---	---	331	8	302	647	---	---	331	8	308
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DOMESTIC

Total	641	---	---	331	8	302	647	---	---	331	8	308
27	5	---	---	---	5	---	---	---	---	---	---	---
26	1	---	---	---	---	1	---	---	---	---	---	---
25	3	---	---	---	---	3	1	---	---	---	---	1
24	2	---	---	---	---	2	---	---	---	---	---	---
23	5	---	---	---	1	4	---	---	---	---	---	---
22	3	---	---	---	1	2	1	---	---	---	1	---
21	7	---	---	---	---	7	---	---	---	---	---	---
20	6	---	---	5	---	1	4	---	---	4	---	---
19	4	---	---	---	---	4	2	---	---	---	1	1
18	7	---	---	2	1	4	2	---	---	2	---	---
17	1	---	---	---	---	1	2	---	---	---	---	2
16	7	---	---	4	---	3	2	---	---	2	---	---
15	12	---	---	12	---	---	9	---	---	9	---	---
14	11	---	---	2	---	9	7	---	---	2	1	4
13	4	---	---	3	---	1	1	---	---	1	---	---
12	16	---	---	13	---	3	15	---	---	13	1	1
11	54	---	---	28	---	26	26	---	---	24	---	2
10	107	---	---	---	---	107	29	---	---	---	---	29
9	58	---	---	---	---	58	1	---	---	---	---	1
8	44	---	---	28	---	16	23	---	---	23	---	---
7	223	---	---	217	---	6	238	---	---	235	---	3
6	25	---	---	13	---	12	32	---	---	13	2	17
5	10	---	---	---	---	10	2	---	---	---	2	---
4	1	---	---	---	---	1	---	---	---	---	---	---
3	13	---	---	4	---	9	250	---	---	3	---	247
2	4	---	---	---	---	4	---	---	---	---	---	---
1	8	---	---	---	---	8	---	---	---	---	---	---
										Total trips:		1,288

ATLANTIC BEACH CHANNELS, NC
(7 feet and less)

Inbound

Outbound

Grand

Total	4,669	4,666	---	3	---	---	4,670	4,667	---	3	---	---
										Total trips:		9,339

AVON HARBOR, NC
No Vessel Trips Reported

BAY RIVER, NC
No Vessel Trips Reported

BEAUFORT HARBOR, NC
(14 feet and less)

Inbound

Outbound

Grand

Total	171	163	---	8	---	---	144	138	---	6	---	---
										Total trips:		315

BELHAVEN HARBOR, NC
(11 feet and less)

Inbound

Outbound

Grand

Total	8	---	---	4	4	---	7	---	---	4	3	---
										Total trips:		15

CASHIE RIVER, NC
No Vessel Trips Reported

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CHANNEL CONNECTING THOROUGHFARE BAY WITH CEDAR BAY, NC
(7 feet and less)

	Upbound						Downbound					
Grand												
Total	2,038	2,038	---	---	---	---	2,021	2,021	---	---	---	---
										Total trips:	---	4,059

CHANNEL FROM BACK SOUND TO LOOKOUT BIGHT, NC
(7 feet and less)

	Upbound						Downbound					
Grand												
Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:	---	2

CHANNEL FROM PAMLICO SOUND TO RODANTHE, NC
(7 feet and less)

	Upbound						Downbound					
Grand												
Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:	---	2

CHANNEL TO BOGUE INLET, NC
(2 feet and less)

	Upbound						Downbound					
Grand												
Total	4,602	4,602	---	---	---	---	4,602	4,602	---	---	---	---
										Total trips:	---	9,204

CHOWAN RIVER, NC
(8 feet and less)

	Upbound						Downbound					
Grand												
Total	334	---	---	68	266	---	330	---	---	68	262	---
										Total trips:	664	---

DRUM INLET, NC
No Vessel Trips Reported

EDENTON HARBOR, NC
(8 feet and less)

	Inbound						Outbound					
Grand												
Total	144	---	---	28	116	---	146	---	---	28	118	---
										Total trips:	290	---

FAR CREEK, NC
No Vessel Trips Reported

KNOBBS CREEK, NC
(8 feet and less)

	Upbound						Downbound					
Grand												
Total	94	---	---	35	55	4	114	---	---	43	71	---
										Total trips:	208	---

LOCKWOODS FOLLY RIVER, NC
(7 feet and less)

	Upbound						Downbound					
Grand												
Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:	---	2

MACKAY CREEK, NC
No Vessel Trips Reported

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MANN'S HARBOR, NC (6 feet and less)												
				Inbound							Outbound	
Grand												
Total	3	3	---	---	---	---	4	4	---	---	---	---
										Total trips:		7
MANTEO (SHALLOWBAG) BAY, NC (8 feet and less)												
				Upbound							Downbound	
Grand												
Total	10	---	---	9	1	---	8	---	---	8	---	---
										Total trips:		18
NEUSE RIVER, NC (11 feet and less)												
				Upbound							Downbound	
Grand												
Total	13,582	13,421	---	81	3	77	13,582	13,417	---	85	3	77
										Total trips:		27,164
NEW RIVER, NC No Vessel Trips Reported												
OCRACOKE INLET, NC No Vessel Trips Reported												
PERQUIMANS RIVER, NC No Vessel Trips Reported												
ROANOKE RIVER, NC (10 feet and less)												
				Upbound							Downbound	
Grand												
Total	200	---	---	59	114	27	201	---	---	60	114	27
										Total trips:		401
ROLLINSON CHANNEL, NC No Vessel Trips Reported												
SCUPPERNONG RIVER, NC No Vessel Trips Reported												
SHALLOTTE RIVER, NC (7 feet and less)												
				Upbound							Downbound	
Grand												
Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:		2
SILVER LAKE HARBOR, NC (8 feet and less)												
				Inbound							Outbound	
Grand												
Total	2,816	2,815	---	1	---	---	2,816	2,814	---	1	1	---
										Total trips:		5,632
SMITHS CREEK (PAMLICO COUNTY), NC No Vessel Trips Reported												
SMITHS CREEK (WILMINGTON), NC No Vessel Trips Reported												

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SOUTH RIVER, NC (6 feet and less)												
				Upbound						Downbound		
Grand												
Total	672	671	---	1	---	---	673	671	---	1	---	1
										Total trips:		1,345
STUMPY POINT BAY, NC No Vessel Trips Reported												
TRENT RIVER, NC (11 feet and less)												
				Upbound						Downbound		
Grand												
Total	8	---	---	4	---	4	8	---	---	4	---	4
										Total trips:		16
WANCHESE HARBOR, NC (7 feet and less)												
				Inbound						Outbound		
Grand												
Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:		2
WATERWAY - NORFOLK, VA TO SOUNDS OF NC (7 feet and less)												
				Upbound						Downbound		
Grand												
Total	10	4	---	6	---	---	10	3	---	7	---	---
										Total trips:		20
WATERWAY CONNECTING PAMLICO SOUND AND BEAUFORT HARBOR, NC (7 feet and less)												
				Upbound						Downbound		
Grand												
Total	2,139	2,138	---	1	---	---	2,122	2,121	---	1	---	---
										Total trips:		4,261
WATERWAY CONNECTING SWAN QUARTER BAY WITH DEEP BAY, NC (7 feet and less)												
				Upbound						Downbound		
Grand												
Total	784	784	---	---	---	---	784	784	---	---	---	---
										Total trips:		1,568
WRIGHTS CREEK, NC No Vessel Trips Reported												

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (CHARLESTON DISTRICT)

	Upbound						Downbound					
Grand												
Total	2,381	1,371	—	761	164	85	2,420	1,386	—	770	164	100
DOMESTIC												
Total	2,381	1,371	—	761	164	85	2,420	1,386	—	770	164	100
12	23	—	—	20	—	3	14	—	—	13	—	1
11	36	—	—	33	—	3	28	—	—	26	1	1
10	131	95	—	20	16	—	139	95	—	10	31	3
9	55	4	—	6	17	28	37	3	—	9	25	—
8	242	2	—	193	44	3	238	2	—	232	4	—
7	376	1	—	354	19	2	350	16	—	329	2	3
≤ 6	1,518	1,269	—	135	68	46	1,614	1,270	—	151	101	92
										Total trips:		4,801

GEORGETOWN HARBOR, SC (WINYAH BAY)

	Inbound						Outbound					
Grand												
Total	287	95	1	162	20	9	292	94	2	167	20	9
FOREIGN												
Total	95	94	1	—	—	—	95	93	2	—	—	—
29	3	3	—	—	—	—	—	—	—	—	—	—
28	21	21	—	—	—	—	1	1	—	—	—	—
27	24	24	—	—	—	—	3	3	—	—	—	—
26	8	8	—	—	—	—	1	1	—	—	—	—
25	8	7	1	—	—	—	2	2	—	—	—	—
24	2	2	—	—	—	—	3	3	—	—	—	—
23	5	5	—	—	—	—	27	27	—	—	—	—
22	11	11	—	—	—	—	15	15	—	—	—	—
21	2	2	—	—	—	—	9	9	—	—	—	—
20	3	3	—	—	—	—	9	8	1	—	—	—
19	1	1	—	—	—	—	4	3	1	—	—	—
18	2	2	—	—	—	—	11	11	—	—	—	—
17	—	—	—	—	—	—	1	1	—	—	—	—
16	1	1	—	—	—	—	2	2	—	—	—	—
15	2	2	—	—	—	—	1	1	—	—	—	—
13	—	—	—	—	—	—	2	2	—	—	—	—
≤ 12	2	2	—	—	—	—	4	4	—	—	—	—
DOMESTIC												
Total	192	1	—	162	20	9	197	1	—	167	20	9
19	—	—	—	—	—	—	1	—	—	167	1	—
18	—	—	—	—	—	—	2	—	—	—	2	—
17	—	—	—	—	—	—	2	—	—	—	2	—
16	2	—	—	2	—	—	5	—	—	5	—	—
14	—	—	—	—	—	—	2	—	—	1	1	—
≤ 12	190	1	—	160	20	9	185	1	—	161	14	9
										Total trips:		579

CHARLESTON HARBOR, SC

	Inbound						Outbound					
Grand												
Total	7,131	5,896	204	638	129	264	7,102	5,910	199	617	119	257
FOREIGN												
Total	2,030	1,946	65	6	13	—	2,038	1,959	65	6	6	2
42	1	1	—	—	—	—	1	1	—	—	—	—
41	—	—	—	—	—	—	4	4	—	—	—	—
40	1	1	—	—	—	—	12	12	—	—	—	—
39	25	15	10	—	—	—	19	18	1	—	—	—
38	55	54	1	—	—	—	65	65	—	—	—	—
37	80	67	13	—	—	—	82	80	2	—	—	—
36	78	73	5	—	—	—	93	91	2	—	—	—
35	87	86	1	—	—	—	122	121	1	—	—	—
34	115	113	2	—	—	—	140	134	6	—	—	—
33	153	152	1	—	—	—	169	168	1	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CHARLESTON HARBOR, SC - continued

Inbound

Outbound

FOREIGN

32	150	148	2	—	—	—	133	127	6	—	—	—
31	145	139	6	—	—	—	175	170	5	—	—	—
30	237	233	4	—	—	—	171	163	8	—	—	—
29	127	125	2	—	—	—	116	115	1	—	—	—
28	223	221	2	—	—	—	205	203	2	—	—	—
27	127	125	2	—	—	—	74	67	5	—	—	2
26	62	60	2	—	—	—	82	78	4	—	—	—
25	89	83	4	—	2	—	117	111	6	—	—	—
24	43	42	1	—	—	—	60	59	1	—	—	—
23	35	35	—	—	—	—	29	26	3	—	—	—
22	17	14	3	—	—	—	26	24	2	—	—	—
21	11	9	2	—	—	—	11	11	—	—	—	—
20	26	26	—	—	—	—	30	24	6	—	—	—
19	16	16	—	—	—	—	13	13	—	—	—	—
≤ 18	127	108	2	6	11	—	89	74	3	6	6	—

DOMESTIC

Total	5,101	3,950	139	632	116	264	5,064	3,951	134	611	113	255
40	3	—	3	—	—	—	—	—	—	—	—	—
39	16	—	16	—	—	—	2	—	2	—	—	—
38	18	—	18	—	—	—	—	—	—	—	—	—
37	11	—	11	—	—	—	—	—	—	—	—	—
36	15	—	15	—	—	—	2	—	2	—	—	—
35	18	—	17	—	—	1	2	—	2	—	—	—
34	16	—	16	—	—	—	6	—	6	—	—	—
33	7	—	7	—	—	—	14	—	14	—	—	—
32	11	—	6	1	—	4	9	—	6	1	—	2
31	13	—	4	—	—	9	14	—	14	—	—	—
30	57	49	4	—	—	4	65	50	14	—	—	1
29	6	—	3	—	—	3	9	—	9	—	—	—
28	10	—	5	—	—	5	7	—	7	—	—	—
27	5	—	4	—	—	1	12	—	12	—	—	—
26	6	—	3	—	—	3	7	—	6	—	—	1
25	6	—	3	—	1	2	2	—	2	—	—	—
24	6	—	1	1	1	3	5	—	3	1	—	1
23	5	—	—	—	—	5	6	—	4	—	—	2
22	1	—	1	—	—	—	3	—	3	—	—	—
21	2	—	—	—	1	1	18	—	14	4	—	—
20	44	—	1	36	6	1	34	—	3	29	2	—
19	10	—	—	1	5	4	2	—	1	—	—	1
≤ 18	4,815	3,901	1	593	102	218	4,845	3,901	10	576	111	247
Total trips:										14,233		

SHIPYARD RIVER, SC

Upbound

Downbound

Grand

Total	236	40	20	137	11	28	226	33	20	135	9	29
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FOREIGN

Total	45	40	3	1	1	—	36	33	3	—	—	—
37	1	1	—	—	—	—	—	—	—	—	—	—
36	3	2	1	—	—	—	1	1	—	—	—	—
35	2	2	—	—	—	—	1	1	—	—	—	—
34	—	—	—	—	—	—	2	1	1	—	—	—
33	2	2	—	—	—	—	2	2	—	—	—	—
32	1	—	1	—	—	—	1	1	—	—	—	—
31	2	2	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	4	4	—	—	—	—
29	8	8	—	—	—	—	1	1	—	—	—	—
28	4	4	—	—	—	—	2	2	—	—	—	—
27	1	1	—	—	—	—	4	3	1	—	—	—
26	1	1	—	—	—	—	1	1	—	—	—	—
25	5	5	—	—	—	—	9	9	—	—	—	—
24	2	2	—	—	—	—	—	—	—	—	—	—
23	1	1	—	—	—	—	1	1	—	—	—	—
22	3	2	1	—	—	—	—	—	—	—	—	—
20	1	1	—	—	—	—	4	3	1	—	—	—
19	1	1	—	—	—	—	1	1	—	—	—	—
≤ 18	7	5	—	1	1	—	2	2	—	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SHIPYARD RIVER, SC - continued

	Upbound						Downbound					
DOMESTIC												
Total	191	---	17	136	10	28	190	---	17	135	9	29
35	1	---	---	---	---	1	---	---	---	---	---	---
34	1	---	1	---	---	---	---	---	---	---	---	---
32	2	---	1	1	---	---	2	---	---	1	---	1
31	2	---	2	---	---	---	2	---	2	---	---	---
30	1	---	1	---	---	---	2	---	2	---	---	---
29	1	---	1	---	---	---	---	---	---	---	---	---
28	4	---	3	---	---	1	3	---	3	---	---	---
27	3	---	3	---	---	---	3	---	3	---	---	---
26	4	---	4	---	---	---	1	---	1	---	---	---
24	2	---	---	---	---	2	1	---	1	---	---	---
23	2	---	---	---	---	2	3	---	2	---	---	1
22	1	---	1	---	---	---	---	---	---	---	---	---
21	1	---	---	---	---	1	---	---	---	---	---	---
20	---	---	---	---	---	---	1	---	---	---	1	---
19	1	---	---	---	---	1	2	---	1	---	---	1
≤ 18	165	---	---	135	10	20	170	---	2	134	8	26
										Total trips:		462

ASHLEY RIVER, SC
(14 feet and less)

	Upbound						Downbound					
Grand Total	1,922	1,299	---	451	124	48	1,926	1,302	---	460	117	47
										Total trips:		3,848

GREAT PEE DEE RIVER, SC
(6 feet and less)

	Upbound						Downbound					
Grand Total	4	---	---	4	---	---	2	---	---	2	---	---
										Total trips:		6

PORT ROYAL HARBOR, SC
(27 feet and less)

	Inbound						Outbound					
Grand Total	50	9	3	21	2	15	50	9	3	21	2	15
										Total trips:		100

SANTEE RIVER, SC
No Vessel Trips Reported

VILLAGE CREEK, SC
No Vessel Trips Reported

WACCAMAW RIVER, NC AND SC
(6 feet and less)

	Inbound						Outbound					
Grand Total	4	---	---	4	---	---	4	---	---	4	---	---
										Total trips:		8

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SAVANNAH HARBOR, GA

Inbound

Outbound

Grand												
Total	5,136	2,803	251	1,451	180	451	5,101	2,811	252	1,437	165	436

FOREIGN

Total	1,975	1,775	174	3	23	—	1,963	1,783	177	1	2	—
41	—	—	—	—	—	—	1	1	—	—	—	—
39	1	1	—	—	—	—	6	6	—	—	—	—
38	13	4	9	—	—	—	15	15	—	—	—	—
37	37	27	10	—	—	—	35	34	1	—	—	—
36	51	40	11	—	—	—	127	126	1	—	—	—
35	72	63	9	—	—	—	83	81	2	—	—	—
34	109	106	3	—	—	—	121	116	5	—	—	—
33	124	117	7	—	—	—	120	118	2	—	—	—
32	133	128	5	—	—	—	156	149	7	—	—	—
31	76	73	3	—	—	—	76	72	4	—	—	—
30	132	122	10	—	—	—	151	136	15	—	—	—
29	140	126	13	—	1	—	123	113	10	—	—	—
28	140	126	14	—	—	—	145	130	15	—	—	—
27	138	120	18	—	—	—	119	104	15	—	—	—
26	110	100	10	—	—	—	102	91	11	—	—	—
25	103	89	14	—	—	—	87	78	9	—	—	—
24	93	85	8	—	—	—	67	50	17	—	—	—
23	93	83	10	—	—	—	93	75	18	—	—	—
22	75	68	7	—	—	—	53	45	8	—	—	—
21	70	63	6	—	1	—	43	35	8	—	—	—
20	45	42	3	—	—	—	50	43	7	—	—	—
19	35	33	2	—	—	—	38	32	6	—	—	—
≤ 18	185	159	2	3	21	—	152	133	16	1	2	—

DOMESTIC

Total	3,161	1,028	77	1,448	157	451	3,138	1,028	75	1,436	163	436
39	1	—	1	—	—	—	—	—	—	—	—	—
38	2	—	2	—	—	—	1	—	1	—	—	—
37	4	—	4	—	—	—	—	—	—	—	—	—
36	4	—	4	—	—	—	—	—	—	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
33	2	—	2	—	—	—	—	—	—	—	—	—
32	9	—	4	1	—	4	3	—	2	1	—	—
31	3	—	3	—	—	—	2	—	2	—	—	—
30	7	—	5	—	—	2	4	—	4	—	—	—
29	6	—	6	—	—	—	4	—	4	—	—	—
28	10	—	7	—	—	3	6	—	4	—	—	2
27	5	—	5	—	—	—	3	—	3	—	—	—
26	5	—	4	—	—	1	2	—	2	—	—	—
25	9	—	7	—	—	2	10	—	4	—	—	6
24	13	—	7	—	2	4	18	—	8	—	—	10
23	33	—	4	—	28	1	8	—	—	—	—	8
22	7	—	3	—	1	3	7	—	2	—	—	5
21	20	—	5	—	1	14	13	—	6	—	—	7
20	10	—	3	—	4	1	10	—	5	—	—	1
19	1	—	—	—	—	1	3	—	—	—	2	1
≤ 18	3,009	1,028	—	1,443	124	414	3,044	1,028	28	1,431	161	396
										Total trips:		10,237

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER , FL (SAVANNAH DISTRICT)

Upbound

Downbound

Grand												
Total	8,695	7,741	—	616	133	205	8,665	7,745	—	586	130	204

DOMESTIC

Total	8,695	7,741	—	616	133	205	8,665	7,745	—	586	130	204
13	—	—	—	—	—	—	2	—	—	2	—	—
12	24	—	—	21	1	2	14	—	—	13	—	1
11	37	—	—	34	—	3	26	—	—	25	—	1
10	125	95	—	2	9	19	111	95	—	—	11	5
9	48	4	—	3	12	29	22	3	—	3	7	9
8	284	2	—	226	44	12	212	2	—	208	1	1
7	398	185	—	190	19	4	397	200	—	191	2	4
≤ 6	7,779	7,455	—	140	48	136	7,881	7,445	—	144	109	183
										Total trips:		17,360

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

BRUNSWICK HARBOR, GA

Upbound

Downbound

Grand

Total	1,197	835	—	238	1	123	1,138	788	—	231	1	118
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FOREIGN

Total	497	497	—	—	—	—	450	450	—	—	—	—
35	1	1	—	—	—	—	—	—	—	—	—	—
34	1	1	—	—	—	—	1	1	—	—	—	—
33	4	4	—	—	—	—	2	2	—	—	—	—
32	8	8	—	—	—	—	7	7	—	—	—	—
31	21	21	—	—	—	—	18	18	—	—	—	—
30	20	20	—	—	—	—	29	29	—	—	—	—
29	54	54	—	—	—	—	59	59	—	—	—	—
28	69	69	—	—	—	—	73	73	—	—	—	—
27	64	64	—	—	—	—	51	51	—	—	—	—
26	47	47	—	—	—	—	25	25	—	—	—	—
25	43	43	—	—	—	—	29	29	—	—	—	—
24	20	20	—	—	—	—	33	33	—	—	—	—
23	14	14	—	—	—	—	19	19	—	—	—	—
22	15	15	—	—	—	—	16	16	—	—	—	—
21	14	14	—	—	—	—	12	12	—	—	—	—
20	4	4	—	—	—	—	8	8	—	—	—	—
19	2	2	—	—	—	—	23	23	—	—	—	—
18	4	4	—	—	—	—	11	11	—	—	—	—
17	7	7	—	—	—	—	1	1	—	—	—	—
16	2	2	—	—	—	—	8	8	—	—	—	—
15	9	9	—	—	—	—	10	10	—	—	—	—
14	3	3	—	—	—	—	3	3	—	—	—	—
13	4	4	—	—	—	—	3	3	—	—	—	—
≤ 12	67	67	—	—	—	—	9	9	—	—	—	—

DOMESTIC

Total	700	338	—	238	1	123	688	338	—	231	1	118
≤ 12	700	338	—	238	1	123	688	338	—	231	1	118
											Total trips:	2,335

ALTAMAHA RIVER, GA
No Vessel Trips Reported

DARIEN HARBOR, GA
No Vessel Trips Reported

SATILLA RIVER, GA
No Vessel Trips Reported

SAVANNAH RIVER BELOW AUGUSTA, GA
(7 feet and less)

Upbound

Downbound

Grand

Total	135	129	—	5	1	—	135	129	—	5	1	—
											Total trips:	270

ST. MARYS RIVER, GA AND FL
(10 feet and less)

Upbound

Downbound

Grand

Total	68	—	—	34	—	34	68	—	—	34	—	34
											Total trips:	136

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

FERNANDINA HARBOR, FL

	Inbound						Outbound					
Grand Total	421	221	1	103	6	90	415	223	—	102	10	80

FOREIGN

Total	236	221	1	8	6	—	235	223	—	2	10	—
32	2	2	—	—	—	—	4	4	—	—	—	—
31	—	—	—	—	—	—	1	1	—	—	—	—
30	18	18	—	—	—	—	22	22	—	—	—	—
29	5	5	—	—	—	—	3	3	—	—	—	—
28	6	6	—	—	—	—	9	9	—	—	—	—
27	6	6	—	—	—	—	9	9	—	—	—	—
26	5	5	—	—	—	—	5	5	—	—	—	—
25	6	6	—	—	—	—	38	38	—	—	—	—
24	6	6	—	—	—	—	13	13	—	—	—	—
23	39	39	—	—	—	—	15	15	—	—	—	—
22	10	10	—	—	—	—	21	21	—	—	—	—
21	5	5	—	—	—	—	9	9	—	—	—	—
20	20	20	—	—	—	—	17	17	—	—	—	—
19	12	11	1	—	—	—	13	13	—	—	—	—
≤ 18	96	82	—	8	6	—	56	44	—	2	10	—

DOMESTIC

Total	185	—	—	95	—	90	180	—	—	100	—	80
≤ 18	185	—	—	95	—	90	180	—	—	100	—	80
										Total trips:		836

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (JACKSONVILLE DISTRICT)

	Upbound						Downbound					
Grand Total	718	9	—	400	56	253	716	24	—	386	54	252

DOMESTIC

Total	718	9	—	400	56	253	716	24	—	386	54	252
15	7	—	—	7	—	—	11	—	—	9	—	2
14	1	—	—	1	—	—	5	—	—	4	—	1
13	—	—	—	—	—	—	5	—	—	5	—	—
12	8	—	—	7	1	—	4	—	—	3	—	1
11	53	—	—	53	—	—	47	—	—	46	1	—
10	56	—	—	3	9	44	14	—	—	2	11	1
9	27	4	—	3	12	8	12	3	—	3	6	—
8	226	2	—	150	—	74	150	2	—	147	1	—
7	162	1	—	153	4	4	164	16	—	146	2	—
≤ 6	178	2	—	23	30	123	304	3	—	21	33	247
										Total trips:		1,434

JACKSONVILLE HARBOR, FL

	Inbound						Outbound					
Grand Total	5,048	1,783	235	1,345	656	1,029	5,069	1,847	232	1,330	642	1,018

FOREIGN

Total	1,422	1,191	87	75	69	—	1,431	1,222	88	60	58	3
38	18	—	18	—	—	—	1	—	—	—	—	1
37	49	37	12	—	—	—	—	—	—	—	—	—
36	11	8	3	—	—	—	3	2	1	—	—	—
35	7	7	—	—	—	—	2	1	1	—	—	—
34	6	2	4	—	—	—	3	2	1	—	—	—
33	10	8	2	—	—	—	2	2	—	—	—	—
32	30	26	4	—	—	—	11	8	3	—	—	—
31	36	35	1	—	—	—	24	23	1	—	—	—
30	76	68	8	—	—	—	53	44	9	—	—	—
29	3	—	3	—	—	—	164	162	2	—	—	—
28	446	437	9	—	—	—	424	415	9	—	—	—
27	112	111	1	—	—	—	104	100	4	—	—	—
26	66	61	5	—	—	—	81	74	7	—	—	—
25	48	46	2	—	—	—	12	—	11	—	—	1

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

JACKSONVILLE HARBOR, FL - continued

Inbound

Outbound

FOREIGN

24	34	30	4	—	—	—	84	76	8	—	—	—
23	43	42	1	—	—	—	81	67	14	—	—	—
22	12	12	—	—	—	—	26	22	4	—	—	—
21	5	2	1	—	2	—	9	5	4	—	—	—
20	58	56	—	1	1	—	59	57	2	—	—	—
19	7	7	—	—	—	—	10	10	—	—	—	—
≤ 18	345	196	9	74	66	—	278	152	7	60	58	1

DOMESTIC

Total	3,626	592	148	1,270	587	1,029	3,638	625	144	1,270	584	1,015
38	23	—	23	—	—	—	—	—	—	—	—	—
37	3	—	3	—	—	—	—	—	—	—	—	—
36	12	—	12	—	—	—	—	—	—	—	—	—
35	11	—	11	—	—	—	1	—	1	—	—	—
34	27	—	27	—	—	—	3	—	2	—	—	1
33	21	—	19	—	—	2	1	—	1	—	—	—
32	2	—	2	—	—	—	2	1	1	—	—	—
31	6	—	6	—	—	—	10	9	1	—	—	—
30	56	50	5	—	—	1	66	60	6	—	—	—
29	5	—	5	—	—	—	13	10	3	—	—	—
28	19	—	8	—	—	11	9	2	7	—	—	—
27	16	12	3	—	—	1	8	2	6	—	—	—
26	16	10	5	—	—	1	167	151	16	—	—	—
25	27	15	4	—	7	1	15	2	13	—	—	—
24	29	18	9	—	—	2	7	2	4	—	1	—
23	111	101	2	—	8	—	5	2	3	—	—	—
22	3	1	—	—	1	1	2	—	2	—	—	—
21	8	—	2	—	1	5	19	1	16	—	—	2
20	39	1	2	35	—	1	131	—	10	118	1	2
19	15	—	—	—	5	10	6	—	1	4	—	1
≤ 18	3,177	384	—	1,235	565	993	3,173	383	51	1,148	582	1,009
Total trips:											10,117	

ST. JOHNS RIVER, FL JACKSONVILLE TO LAKE HARNEY

Upbound

Downbound

Grand

Total	1,486	451	—	441	278	316	1,479	451	—	434	279	315
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DOMESTIC

Total	1,486	451	—	441	278	316	1,479	451	—	434	279	315
10	63	—	—	—	10	53	9	—	—	—	9	—
9	22	—	—	—	6	16	12	—	—	—	12	—
8	713	399	—	231	1	82	639	399	—	240	—	—
7	202	51	—	143	2	6	185	51	—	134	—	—
6	166	1	—	31	3	131	26	1	—	23	2	—
5	16	—	—	—	1	15	—	—	—	—	—	—
2	304	—	—	36	255	13	608	—	—	37	256	315
Total trips:											2,965	

INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI, FL

Upbound

Downbound

Grand

Total	3,497	2,719	—	436	73	269	3,497	2,724	—	434	71	268
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DOMESTIC

Total	3,497	2,719	—	436	73	269	3,497	2,724	—	434	71	268
13	—	—	—	—	—	—	2	—	—	2	—	—
12	26	—	—	21	—	5	16	—	—	16	—	—
11	29	—	—	29	—	—	28	—	—	28	—	—
10	7	—	—	7	—	—	4	—	—	3	1	—
9	67	60	—	6	—	1	76	59	—	11	—	6
8	116	1	—	114	—	1	861	745	—	116	—	—
7	821	697	—	62	4	58	976	864	—	64	—	48
≤ 6	2,431	1,961	—	197	69	204	1,534	1,056	—	194	70	214
Total trips:											6,994	

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CANAVERAL HARBOR, FL

	Inbound						Outbound					
Grand												
Total	1,497	944	36	249	89	179	1,501	949	35	251	90	176

FOREIGN

Total	835	684	7	62	82	---	849	689	8	70	82	---
38	---	---	---	---	---	---	1	1	---	---	---	---
37	2	2	---	---	---	---	1	1	---	---	---	---
36	5	3	2	---	---	---	2	2	---	---	---	---
35	8	7	1	---	---	---	---	---	---	---	---	---
34	4	3	1	---	---	---	---	---	---	---	---	---
33	4	4	---	---	---	---	4	4	---	---	---	---
32	2	2	---	---	---	---	2	2	---	---	---	---
31	96	96	---	---	---	---	100	100	---	---	---	---
30	4	3	---	---	1	---	7	7	---	---	---	---
29	21	21	---	---	---	---	23	22	---	1	---	---
28	11	10	1	---	---	---	13	8	3	---	2	---
27	81	81	---	---	---	---	123	122	1	---	---	---
26	177	177	---	---	---	---	149	149	---	---	---	---
25	19	19	---	---	---	---	16	15	1	---	---	---
24	27	26	1	---	---	---	36	35	1	---	---	---
23	35	35	---	---	---	---	20	19	1	---	---	---
22	25	25	---	---	---	---	43	43	---	---	---	---
21	27	24	1	---	2	---	47	46	---	---	1	---
20	25	25	---	---	---	---	14	14	---	---	---	---
19	27	26	---	1	---	---	28	27	---	1	---	---
≤ 18	235	95	---	61	79	---	220	72	1	68	79	---

DOMESTIC

Total	662	260	29	187	7	179	652	260	27	181	8	176
38	1	---	1	---	---	---	---	---	---	---	---	---
37	2	---	2	---	---	---	---	---	---	---	---	---
35	6	---	6	---	---	---	---	---	---	---	---	---
34	11	---	11	---	---	---	---	---	---	---	---	---
33	3	---	3	---	---	---	---	---	---	---	---	---
32	3	---	1	---	---	2	1	---	1	---	---	---
31	---	---	---	---	---	---	2	---	2	---	---	---
30	1	---	1	---	---	---	---	---	---	---	---	---
29	1	---	---	---	---	1	---	---	---	---	---	---
28	6	---	1	---	---	5	1	---	---	---	---	1
27	1	---	---	---	---	1	1	---	1	---	---	---
26	2	---	---	---	---	2	1	---	1	---	---	---
25	2	---	2	---	---	---	6	---	5	---	---	1
24	1	---	1	---	---	---	1	---	1	---	---	---
23	1	---	---	---	---	1	---	---	---	---	---	---
22	1	---	---	1	---	---	---	---	---	---	---	---
21	2	---	---	---	---	2	12	---	11	---	---	1
20	14	---	---	14	---	---	13	---	5	8	---	---
≤ 18	604	260	---	172	7	165	614	260	---	173	8	173

Total trips: 2,998

PALM BEACH HARBOR, FL

	Inbound						Outbound					
Grand												
Total	3,415	3,117	11	151	92	44	2,700	2,414	11	139	93	43

FOREIGN

Total	1,933	1,900	11	9	13	---	1,227	1,197	11	9	10	---
32	1	1	---	---	---	---	4	1	3	---	---	---
31	1	---	1	---	---	---	2	---	2	---	---	---
30	7	5	2	---	---	---	1	1	---	---	---	---
29	3	3	---	---	---	---	2	---	2	---	---	---
28	3	2	1	---	---	---	3	2	1	---	---	---
27	3	3	---	---	---	---	1	1	---	---	---	---
26	2	2	---	---	---	---	3	3	---	---	---	---
25	2	1	1	---	---	---	---	---	---	---	---	---
24	2	2	---	---	---	---	3	3	---	---	---	---
23	---	---	---	---	---	---	1	1	---	---	---	---
22	2	1	1	---	---	---	2	1	1	---	---	---
21	31	30	1	---	---	---	107	106	1	---	---	---
20	---	---	---	---	---	---	5	5	---	---	---	---

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PALM BEACH HARBOR, FL - continued

Inbound							Outbound					
FOREIGN												
19 ≤ 18	11	9	2	—	—	—	9	8	1	—	—	—
	1,865	1,841	2	9	13	—	1,084	1,065	—	9	10	—
DOMESTIC												
Total	1,482	1,217	—	142	79	44	1,473	1,217	—	130	83	43
32	3	—	—	—	—	3	—	—	—	—	—	—
30	1	—	—	—	—	1	—	—	—	—	—	—
28	5	—	—	—	—	5	—	—	—	—	—	—
27	30	—	—	—	—	30	—	—	—	—	—	—
26	2	—	—	—	—	2	—	—	—	—	—	—
25	—	—	—	—	—	—	1	—	—	—	1	—
24	—	—	—	—	—	—	19	—	—	—	19	—
23	1	—	—	—	—	1	49	—	—	—	49	—
21	2	—	—	2	—	—	3	—	—	1	2	—
20	7	—	—	7	—	—	10	—	—	10	—	—
19	—	—	—	—	—	—	1	—	—	—	1	—
≤ 18	1,431	1,217	—	133	79	2	1,390	1,217	—	119	11	43
Total trips:											6,115	

PORT EVERGLADES HARBOR, FL

Inbound							Outbound					
Grand												
Total	7,089	5,957	351	346	113	322	6,016	4,862	309	355	175	315
FOREIGN												
Total	5,269	5,064	133	13	59	—	4,214	3,979	92	21	121	1
39	4	—	4	—	—	—	—	—	—	—	—	—
38	11	3	8	—	—	—	—	—	—	—	—	—
37	42	23	19	—	—	—	1	1	—	—	—	—
36	19	11	8	—	—	—	3	3	—	—	—	—
35	39	16	23	—	—	—	6	5	1	—	—	—
34	37	13	24	—	—	—	6	3	3	—	—	—
33	22	10	12	—	—	—	12	6	6	—	—	—
32	44	28	16	—	—	—	31	27	4	—	—	—
31	34	28	6	—	—	—	21	21	—	—	—	—
30	37	34	3	—	—	—	39	37	2	—	—	—
29	32	32	—	—	—	—	35	31	4	—	—	—
28	79	78	1	—	—	—	95	86	8	—	—	1
27	100	98	1	—	1	—	117	103	14	—	—	—
26	257	253	3	—	1	—	287	270	17	—	—	—
25	156	155	1	—	—	—	216	211	5	—	—	—
24	202	201	—	—	1	—	285	269	16	—	—	—
23	94	94	—	—	—	—	119	116	3	—	—	—
22	159	156	—	—	3	—	155	151	4	—	—	—
21	141	141	—	—	—	—	178	177	1	—	—	—
20	462	462	—	—	—	—	118	116	—	—	2	—
19	339	338	—	—	1	—	127	126	—	—	1	—
≤ 18	2,959	2,890	4	13	52	—	2,363	2,220	4	21	118	—
DOMESTIC												
Total	1,820	893	218	333	54	322	1,802	883	217	334	54	314
40	12	—	12	—	—	—	—	—	—	—	—	—
39	6	—	6	—	—	—	—	—	—	—	—	—
38	2	—	2	—	—	—	—	—	—	—	—	—
37	8	—	7	—	—	1	—	—	—	—	—	—
36	28	—	20	—	—	8	2	—	2	—	—	—
35	82	—	63	—	—	19	4	—	4	—	—	—
34	23	—	18	—	—	5	4	—	4	—	—	—
33	39	—	34	—	—	5	3	—	2	—	—	1
32	94	—	29	27	—	38	27	—	1	25	—	1
31	14	—	7	—	—	7	4	—	3	—	—	1
30	8	—	4	—	—	4	41	—	41	—	—	—
29	11	—	3	7	—	1	13	—	4	7	—	2
28	19	—	2	—	—	17	9	—	5	—	—	4
27	15	—	6	—	—	9	22	—	5	—	—	17
26	1	—	1	—	—	—	7	—	3	—	—	4
25	22	—	—	—	—	22	62	—	52	—	—	10
24	3	—	—	—	—	3	9	—	9	—	—	—

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT EVERGLADES HARBOR, FL - continued

Inbound

Outbound

DOMESTIC

23	4	—	1	—	—	3	7	—	6	—	—	1
22	21	—	—	19	—	2	19	—	2	17	—	—
21	11	—	—	9	—	2	28	—	17	9	—	2
20	16	—	1	8	—	7	61	—	42	10	—	9
19	1	—	—	—	—	1	1	—	—	—	1	—
≤ 18	1,380	893	2	263	53	169	1,479	883	15	266	53	262
											Total trips:	13,105

MIAMI HARBOR, FL

Inbound

Outbound

Grand

Total	12,900	11,088	22	1,329	150	311	11,823	10,115	20	1,258	115	315
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FOREIGN

Total	6,221	6,038	12	75	96	—	5,149	5,064	12	7	66	—
41	1	1	—	—	—	—	2	2	—	—	—	—
40	2	2	—	—	—	—	—	—	—	—	—	—
39	2	2	—	—	—	—	1	1	—	—	—	—
38	30	30	—	—	—	—	28	28	—	—	—	—
37	32	32	—	—	—	—	28	28	—	—	—	—
36	27	27	—	—	—	—	29	29	—	—	—	—
35	107	107	—	—	—	—	102	102	—	—	—	—
34	24	24	—	—	—	—	18	18	—	—	—	—
33	15	15	—	—	—	—	14	14	—	—	—	—
32	73	72	1	—	—	—	71	71	—	—	—	—
31	26	25	1	—	—	—	25	25	—	—	—	—
30	81	79	2	—	—	—	89	89	—	—	—	—
29	178	178	—	—	—	—	138	138	—	—	—	—
28	222	220	2	—	—	—	244	242	2	—	—	—
27	182	178	4	—	—	—	206	204	2	—	—	—
26	78	78	—	—	—	—	76	72	4	—	—	—
25	576	575	1	—	—	—	518	517	1	—	—	—
24	52	52	—	—	—	—	39	38	1	—	—	—
23	148	148	—	—	—	—	138	138	—	—	—	—
22	91	90	1	—	—	—	54	53	1	—	—	—
21	84	84	—	—	—	—	73	73	—	—	—	—
20	333	333	—	—	—	—	632	632	—	—	—	—
19	164	162	—	1	1	—	53	53	—	—	—	—
≤ 18	3,693	3,524	—	74	95	—	2,571	2,497	1	7	66	—

DOMESTIC

Total	6,679	5,050	10	1,254	54	311	6,674	5,051	8	1,251	49	315
34	1	—	1	—	—	—	—	—	—	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
32	5	—	—	—	—	5	—	—	—	—	—	—
31	3	—	1	—	—	2	—	—	—	—	—	—
30	49	49	—	—	—	—	50	49	1	—	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
28	4	—	1	—	—	3	—	—	—	—	—	—
27	9	—	2	—	—	7	1	—	—	—	—	1
26	3	—	2	—	—	1	—	—	—	—	—	—
25	2	—	2	—	—	—	3	—	3	—	—	—
24	1	—	—	—	—	1	1	—	—	—	—	1
21	8	—	—	8	—	—	10	—	2	8	—	—
20	9	—	—	5	—	4	10	—	1	8	—	1
19	1	—	—	—	1	—	1	—	—	—	—	1
≤ 18	6,582	5,001	—	1,241	53	287	6,598	5,002	1	1,235	49	311
											Total trips:	24,723

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
FORT PIERCE HARBOR, FL (22 feet and less)												
				Inbound						Outbound		
Grand												
Total	592	529	---	38	25	---	245	152	---	46	44	3
										Total trips:		837
KEY WEST HARBOR, FL (21 feet and less)												
				Inbound						Outbound		
Grand												
Total	1,766	1,734	7	15	7	3	1,758	1,725	5	11	13	4
										Total trips:		3,524
MELBOURNE HARBOR, FL No Vessel Trips Reported												
NEW RIVER, FL (9 feet and less)												
				Upbound						Downbound		
Grand												
Total	12	---	---	10	2	---	11	---	---	9	2	---
										Total trips:		23
OKLAWAHA RIVER, FL (2 feet and less)												
				Upbound						Downbound		
Grand												
Total	125	125	---	---	---	---	125	125	---	---	---	---
										Total trips:		250
PONCE DE LEON INLET, FL (6 feet and less)												
				Upbound						Downbound		
Grand												
Total	39	---	---	20	19	---	42	---	---	21	21	---
										Total trips:		81
RICE CREEK, FL (10 feet and less)												
				Upbound						Downbound		
Grand												
Total	214	---	---	113	---	101	214	---	---	113	---	101
										Total trips:		428
ST. AUGUSTINE HARBOR, FL (4 feet and less)												
				Inbound						Outbound		
Grand												
Total	1,459	1,459	---	---	---	---	1,459	1,459	---	---	---	---
										Total trips:		2,918
ST. LUCIE INLET, FL (6 feet and less)												
				Upbound						Downbound		
Grand												
Total	347	337	---	9	1	---	347	337	---	9	1	---
										Total trips:		694

Trips and Drafts of Vessels, 1997
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

ATLANTIC INTRACOASTAL WATERWAY (CONSOLIDATED REPORT) BETWEEN NORFOLK, VA AND THE ST. JOHNS RIVER, FL
Upbound Downbound

Grand												
Total	26,604	20,662	—	3,207	1,580	1,155	26,664	20,663	—	3,251	1,590	1,160
DOMESTIC												
Total	26,604	20,662	—	3,207	1,580	1,155	26,664	20,663	—	3,251	1,590	1,160
15	7	—	—	7	—	—	11	—	—	9	—	2
14	3	—	—	3	—	—	5	—	—	4	—	1
13	—	—	—	—	—	—	5	—	—	5	—	—
12	277	250	—	23	1	3	17	—	—	15	—	2
11	106	—	—	84	11	11	76	—	—	71	2	3
10	269	95	—	48	16	110	522	95	—	39	257	131
9	339	4	—	84	17	234	146	3	—	51	25	67
8	1,482	2	—	1,298	47	135	1,382	2	—	1,374	5	1
7	1,512	205	—	1,211	90	6	2,095	220	—	1,232	630	13
≤ 6	22,609	20,106	—	449	1,398	656	22,405	20,343	—	451	671	940
										Total trips:		53,268

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