
WATERBORNE COMMERCE OF THE UNITED STATES

Calendar Year 1999

Part 1—
Waterways and Harbors
Atlantic Coast



Compiled under the supervision of
the Institute for Water Resources
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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 1999, the National Marine Fisheries Service did not furnish the fish statistics for New England District 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.

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

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

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

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

Traffic Direction

Waterways

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

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

Major Grouping

Minor Grouping

Pub Group Pub Name

00 Units

0200 Vehicles
0300 Passengers

10 Coal

1100 Coal
1200 Coal Coke

20 Petroleum & Petroleum Products

21 Crude Petroleum

2100 Crude Petroleum

22-29 Petroleum Products

2211 Gasoline
2221 Kerosene
2330 Distillate Fuel Oil
2340 Residual Fuel Oil
2350 Lube Oil & Greases
2410 Petro. Jelly & Waxes
2429 Naphtha & Solvents
2430 Asphalt, Tar & Pitch
2540 Petroleum Coke
2640 Liquid Natural Gas
2990 Petro. Products NEC

30 Chemicals and Related Products

31 Fertilizers

3110 Nitrogenous Fert.
3120 Phosphatic Fert.
3130 Potassic Fert.
3190 Fert. & Mixes NEC

32 Other Chemicals and Related Products

3211 Acyclic Hydrocarbons
3212 Benzene & Toluene
3219 Other Hydrocarbons
3220 Alcohols
3230 Carboxylic Acids
3240 Nitrogen Func. Comp.
3250 Organo-Inorganic Comp.
3260 Organic Comp. NEC
3271 Sulphur (Liquid)
3272 Sulphuric Acid
3273 Ammonia
3274 Sodium Hydroxide
3275 Inorg. Elem., Oxides, & Halogen Salts
3276 Metallic Salts
3279 Inorganic Chem. NEC
3281 Radioactive Material

Major Grouping

Minor Grouping

Pub Group Pub Name

3282 Pigments & Paints
3283 Coloring Mat. NEC
3284 Medicines
3285 Perfumes & Cleansers
3286 Plastics
3291 Pesticides
3292 Starches, Gluten, Glue
3293 Explosives
3297 Chemical Additives
3298 Wood & Resin Chem.
3299 Chem. Products NEC

40 Crude Materials, Inedible Except Fuels

41 Forest Products, Wood and Chips

4110 Rubber & Gums
4150 Fuel Wood
4161 Wood Chips
4170 Wood in the Rough
4189 Lumber
4190 Forest Products NEC

42 Pulp and Waste Paper

4225 Pulp & Waste Paper

43 Soil, Sand, Gravel, Rock and Stone

4310 Building Stone
4322 Limestone
4323 Gypsum
4327 Phosphate Rock
4331 Sand & Gravel
4333 Dredged Material
4335 Waterway Improv. Mat
4338 Soil & Fill Dirt

44 Iron Ore and Scrap

4410 Iron Ore
4420 Iron & Steel Scrap

45 Marine Shells

4515 Marine Shells

46 Non-Ferrous Ores and Scrap

4630 Copper Ore
4650 Aluminum Ore
4670 Manganese Ore
4680 Non-Ferrous Scrap
4690 Non-Ferrous Ores NEC

47 Sulphur, Clay and Salt

4741 Sulphur, (Dry)
4782 Clay & Refrac. Mat.
4783 Salt

48 Slag

4860 Slag

49 Other Non-Metal. Min.

4900 Non-Metal. Min. NEC

Commodity Classification List (continued)

Major Grouping

Minor Grouping

Pub Group Pub Name

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

Major Grouping

Minor Grouping

Pub Group Pub Name

- 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
1990	1,121	1993	1,158	1996	1,029	1999	553
1991	1,113	1994	1,232	1997	1,153		
1992	1,354	1995	1,238	1998	876		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic		
		Coastwise		Internal
		Receipts	Shipments	Shipments
Total, all commodities	553	475	23	55
Total petroleum and petroleum products	553	475	23	55
Subtotal petroleum products	553	475	23	55
2211 gasoline	137	123	14	—
2221 kerosene	29	26	—	2
2330 distillate fuel oil	118	56	9	53
2340 residual fuel oil	269	269	—	—

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
1990	1,468	1993	1,602	1996	1,393	1999	1,157
1991	1,530	1994	1,653	1997	1,698		
1992	1,774	1995	1,696	1998	1,556		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intra Upbound
		Imports	Exports	Imports	Exports	Total	Coastwise		
						Receipts	Shipments		
								Shipments	
Total, all commodities	1,157	474	2	53	2	626	548	23	55
Total petroleum and petroleum products	1,089	418	—	45	0	626	548	23	55
Subtotal petroleum products	1,089	418	—	45	0	626	548	23	55
2211 gasoline	137	—	—	—	—	137	123	14	—
2221 kerosene	39	—	—	—	—	39	37	—	2
2330 distillate fuel oil	370	231	—	—	0	140	78	9	53
2340 residual fuel oil	502	187	—	45	—	269	269	—	—
2430 asphalt, tar & pitch	41	—	—	—	—	41	41	—	—
Total chemicals and related products	24	24	0	—	—	—	—	—	—
Subtotal other chemicals and related products	24	24	0	—	—	—	—	—	—
3274 sodium hydroxide	20	20	—	—	—	—	—	—	—
3282 pigments & paints	0	—	0	—	—	—	—	—	—
3285 perfumes & cleansers	0	—	0	—	—	—	—	—	—
3286 plastics	0	—	0	—	—	—	—	—	—
3292 starches, gluten, glue	4	4	—	—	—	—	—	—	—
3297 chemical additives	0	—	0	—	—	—	—	—	—
3299 chem. products nec	0	—	0	—	—	—	—	—	—

PENOBSCOT RIVER, ME
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports	Exports	Imports	Exports	Total	Coastwise		Internal
						Receipts	Shipments	Intra Upbound	
Total crude materials, inedible except fuels	39	31	0	8	---	---	---	---	
Subtotal forest products, wood and chips	0	---	0	---	---	---	---	---	
4190 forest products nec	0	---	0	---	---	---	---	---	
Subtotal sulphur, clay and salt	0	---	0	---	---	---	---	---	
4782 clay & refrac. mat.	0	---	0	---	---	---	---	---	
Subtotal other non-metal. min. min. nec	39	31	---	8	---	---	---	---	
4900 non-metal. min. nec	39	31	---	8	---	---	---	---	
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	---	---	---	---	---	
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	3	---	1	---	2	---	---	---	
Subtotal fish	0	---	0	---	---	---	---	---	
6134 fish (not shellfish)	0	---	0	---	---	---	---	---	
Subtotal oilseeds	0	---	0	---	---	---	---	---	
6521 peanuts	0	---	0	---	---	---	---	---	
Subtotal vegetable products	0	---	0	---	---	---	---	---	
6654 vegetables & prod.	0	---	0	---	---	---	---	---	
Subtotal processed grain and animal feed	0	---	0	---	---	---	---	---	
6782 animal feed, prep.	0	---	0	---	---	---	---	---	
Subtotal other agricultural products	2	---	0	---	2	---	---	---	
6811 meat, fresh, frozen	0	---	0	---	---	---	---	---	
6835 fish, prepared	2	---	---	---	2	---	---	---	
6857 fruit & nuts nec	0	---	0	---	---	---	---	---	
Total all manufactured equipment, machinery and products	0	0	0	0	---	---	---	---	
7110 machinery (not elec)	0	---	0	---	---	---	---	---	
7120 electrical machinery	0	---	0	---	---	---	---	---	
7210 vehicles & parts	0	---	0	---	---	---	---	---	
7220 aircraft & parts	0	---	0	---	---	---	---	---	
7230 ships & boats	0	---	---	0	---	---	---	---	
7500 textile products	0	0	0	---	---	---	---	---	
7900 manufac. prod. nec	0	---	0	---	---	---	---	---	

PENOBSCOT RIVER, ME
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports	Exports	Imports	Exports	Total	Coastwise		Internal
						Receipts	Shipments	Intra Upbound	
Ton-miles (x1000)	16,332	8,999	47	1,004	38	6,245	5,593	208	444
Tons All Traffic (x1000)				1,157					
Ton-miles All Traffic (x1000)				16,332					

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
1990	1,194	1993	1,407	1996	1,433	1999	1,302
1991	889	1994	1,136	1997	1,537		
1992	783	1995	1,263	1998	1,329		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports	Exports	Imports	Coastwise Receipts
Total, all commodities	1,302	396	6	509	391
Total coal	41	---	---	---	41
1100 coal lignite	41	---	---	---	41
Total petroleum and petroleum products	1,005	207	---	494	305
Subtotal petroleum products	1,005	207	---	494	305
2211 gasoline	234	6	---	213	16
2221 kerosene	25	---	---	---	25
2330 distillate fuel oil	278	60	---	208	9
2340 residual fuel oil	463	136	---	73	254
2540 petroleum coke	5	5	---	---	---
Total chemicals and related products	46	14	0	---	32
Subtotal other chemicals and related products	46	14	0	---	32
3274 sodium hydroxide	38	7	---	---	32
3275 inorg. elem., oxides, & halogen salts	7	7	---	---	---
3282 pigments & paints	0	---	0	---	---
3286 plastics	0	---	0	---	---
3292 starches, gluten, glue	0	---	0	---	---
Total crude materials, inedible except fuels	176	147	0	15	14
Subtotal iron ore and scrap	14	---	0	---	14
4420 iron & steel scrap	14	---	0	---	14
Subtotal sulphur, clay and salt	0	---	0	---	---
4782 clay & refrac. mat.	0	---	0	---	---
Subtotal other non-metal. min.	162	147	---	15	---
4900 non-metal. min. nec	162	147	---	15	---
Total primary manufactured goods	32	28	4	---	---
Subtotal paper products	4	---	4	---	---
5120 paper & paperboard	4	---	4	---	---
Subtotal lime, cement and glass	28	28	---	---	---
5220 cement & concrete	28	28	---	---	---
Subtotal primary iron and steel products	0	---	0	---	---
5330 i&s plates & sheets	0	---	0	---	---
5370 i&s pipe & tube	0	---	0	---	---
Subtotal primary non-ferrous metal products	0	---	0	---	---
5429 smelted prod. nec	0	---	0	---	---
5480 fab. metal products	0	---	0	---	---
Subtotal primary wood products	0	---	0	---	---
5540 primary wood prod.	0	---	0	---	---
Total food and farm products	1	0	1	0	---
Subtotal grain	0	---	0	---	---
6344 corn	0	---	0	---	---
Subtotal processed grain and animal feed	1	---	1	---	---
6782 animal feed, prep.	1	---	1	---	---
Subtotal other agricultural products	0	0	0	0	---
6822 dairy products	0	---	0	---	---
6839 animals & prod. nec	0	0	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	---	---

SEARSPORT HARBOR, ME
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports	Exports	Imports	Coastwise Receipts
7120 electrical machinery	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
1990	10,772	1993	11,171	1996	15,243	1999	20,371
1991	8,032	1994	14,245	1997	16,334		
1992	12,511	1995	11,456	1998	15,064		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports	Imports	Exports*
Total, all commodities	18,462	16,134	175	2,134	18
Total petroleum and petroleum products	17,942	15,963	0	1,974	6
Subtotal crude petroleum	15,266	15,266	—	—	—
2100 crude petroleum	15,266	15,266	—	—	—
Subtotal petroleum products	2,676	697	0	1,974	6
2211 gasoline	1,417	249	—	1,168	—
2221 kerosene	9	—	—	9	—
2330 distillate fuel oil	933	290	—	643	—
2340 residual fuel oil	211	87	—	123	1
2350 lube oil & greases	5	0	0	—	5
2430 asphalt, tar & pitch	0	—	0	—	—
2540 petroleum coke	102	71	0	31	—
Total chemicals and related products	29	22	7	—	—
Subtotal other chemicals and related products	29	22	7	—	—
3211 acyclic hydrocarbons	3	—	3	—	—
3219 other hydrocarbons	0	—	0	—	—
3230 carboxylic acids	0	—	0	—	—
3240 nitrogen func. comp.	0	—	0	—	—
3250 organo - inorg. comp.	0	—	0	—	—
3260 organic comp. nec	0	—	0	—	—
3276 metallic salts	0	—	0	—	—
3282 pigments & paints	0	0	0	—	—
3284 medicines	0	—	0	—	—
3285 perfumes & cleansers	0	—	0	—	—
3286 plastics	2	—	2	—	—
3291 pesticides	0	—	0	—	—
3292 starches, gluten, glue	22	22	0	—	—
3297 chemical additives	1	—	1	—	—
3299 chem. products nec	0	—	0	—	—
Total crude materials, inedible except fuels	359	144	121	82	12
Subtotal forest products, wood and chips	11	9	2	—	0
4170 wood in the rough	0	—	0	—	—
4189 lumber	1	0	1	—	0
4190 forest products nec	10	9	1	—	—
Subtotal pulp and waste paper	46	8	26	—	12
4225 pulp & waste paper	46	8	26	—	12
Subtotal iron ore and scrap	93	—	93	—	—
4420 iron & steel scrap	93	—	93	—	—
Subtotal sulphur, clay and salt	21	21	0	—	—
4782 clay & refrac. mat.	21	21	0	—	—
Subtotal other non-metal. min.	188	105	1	82	—
4900 non-metal. min. nec	188	105	1	82	—
Total primary manufactured goods	113	3	33	77	0
Subtotal paper products	99	—	24	74	0
5110 newsprint	74	—	—	74	—
5120 paper & paperboard	24	—	23	—	0
5190 paper products nec	1	—	1	—	—
Subtotal lime, cement and glass	8	0	8	—	—
5240 glass & glass prod.	8	—	8	—	—

PORTLAND HARBOR, ME
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports	Imports	Exports*
5290 misc. mineral prod.	0	0	0	---	---
Subtotal primary iron and steel products	3	3	0	---	---
5330 i&s plates & sheets	0	---	0	---	---
5360 i&s bars & shapes	3	3	---	---	---
5370 i&s pipe & tube	0	---	0	---	---
Subtotal primary non-ferrous metal products	3	0	0	3	---
5421 copper	0	---	0	---	---
5422 aluminum	0	---	0	---	---
5429 smelted prod. nec	0	---	0	---	---
5480 fab. metal products	3	0	0	3	---
Subtotal primary wood products	0	---	0	---	---
5540 primary wood prod.	0	---	0	---	---
Total food and farm products	12	1	11	0	0
Subtotal fish	0	0	0	0	0
6134 fish (not shellfish)	0	---	0	0	0
6136 shellfish	0	0	0	0	---
Subtotal grain	1	---	1	---	---
6344 corn	1	---	1	---	---
Subtotal oilseeds	0	---	0	---	---
6522 soybeans	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	0	---	0	---	---
6781 hay & fodder	3	---	3	---	---
6782 animal feed, prep.	1	---	1	---	---
Subtotal other agricultural products	6	1	5	0	0
6811 meat, fresh, frozen	0	---	0	---	---
6822 dairy products	0	---	0	---	---
6835 fish, prepared	0	---	0	0	---
6839 animals & prod. nec	3	0	3	0	---
6857 fruit & nuts nec	0	---	0	---	0
6858 fruit juices	0	---	0	---	---
6885 alcoholic beverages	1	1	0	---	---
6888 water & ice	0	0	---	---	---
6889 food products nec	0	0	0	---	---
6891 tobacco & products	0	---	0	---	---
Total all manufactured equipment, machinery and products	7	2	3	2	---
7110 machinery (not elec)	2	0	1	0	---
7120 electrical machinery	0	0	0	---	---
7210 vehicles & parts	1	1	0	---	---
7220 aircraft & parts	0	---	0	---	---
7230 ships & boats	0	---	0	---	---
7300 ordnance & access.	0	0	---	---	---
7400 manufac. wood prod.	0	0	0	---	---
7500 textile products	2	0	1	1	---
7600 rubber & plastic pr.	0	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	18,462	16,134	175	2,134	18

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Intra Upbound	Intra Downbnd
Total, all commodities	1,909	1,812	74	1	3	19
Total coal	153	153	---	---	---	---
1100 coal lignite	153	153	---	---	---	---
Total petroleum and petroleum products	1,737	1,659	56	---	3	19
Subtotal petroleum products	1,737	1,659	56	---	3	19
2211 gasoline	859	856	3	---	---	---
2221 kerosene	142	128	14	---	---	---
2330 distillate fuel oil	498	484	9	---	3	1
2340 residual fuel oil	170	150	3	---	---	18
2350 lube oil & greases	7	7	---	---	---	---
2430 asphalt, tar & pitch	48	21	26	---	---	---
2540 petroleum coke	12	12	---	---	---	---
Total crude materials, inedible except fuels	10	---	10	---	---	---
Subtotal iron ore and scrap	10	---	10	---	---	---
4420 iron & steel scrap	10	---	10	---	---	---

PORTLAND HARBOR, ME
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Intra Upbound	Downbnd
Total primary manufactured goods	8	---	8	---	---	---
Subtotal lime, cement and glass	8	---	8	---	---	---
5290 misc. mineral prod.	8	---	8	---	---	---
Total food and farm products	1	---	---	1	---	---
Subtotal fish	1	---	---	1	---	---
6134 fish (not shellfish)	0	---	---	0	---	---
6136 shellfish	1	---	---	1	---	---
Ton-miles (x1000) Domestic	5,214	4,888	264	3	3	55
Tons All Traffic (x1000)	20,371					
Ton-miles All Traffic (x1000)	23,676					

*Includes 15,266 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of Canadian outbound 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
1990	4,646	1993	3,692	1996	3,708	1999	4,556
1991	3,537	1994	3,479	1997	3,954		
1992	3,738	1995	3,914	1998	4,194		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic		
		Imports*	Exports		Total	Coastwise	
					Receipts	Shipments	
Total, all commodities	4,556	1,987	30	1,520	1,019	1,008	11
Total coal	558	517	---	---	40	40	---
1100 coal lignite	558	517	---	---	40	40	---
Total petroleum and petroleum products	2,608	1,011	0	646	951	940	11
Subtotal petroleum products	2,608	1,011	0	646	951	940	11
2211 gasoline	404	75	---	148	181	181	---
2221 kerosene	102	---	---	---	102	102	---
2330 distillate fuel oil	1,048	395	---	421	233	230	3
2340 residual fuel oil	574	192	---	33	349	341	8
2350 lube oil & greases	0	---	0	---	---	---	---
2429 naphtha & solvents	16	16	---	---	---	---	---
2430 asphalt, tar & pitch	86	---	---	---	86	86	---
2540 petroleum coke	205	159	---	45	---	---	---
2640 liquid natural gas	174	174	---	---	---	---	---
Total chemicals and related products	6	4	1	1	---	---	---
Subtotal fertilizers	0	---	0	---	---	---	---
3190 fert. & mixes nec	0	---	0	---	---	---	---
Subtotal other chemicals and related products	5	4	1	1	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---
3274 sodium hydroxide	4	4	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	---	---	---
3276 metallic salts	1	---	0	1	---	---	---
3282 pigments & paints	0	---	0	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---
3286 plastics	1	---	1	---	---	---	---
3291 pesticides	0	---	0	---	---	---	---
3297 chemical additives	0	---	0	---	---	---	---
3299 chem. products nec	0	---	0	---	---	---	---
Total crude materials, inedible except fuels	1,329	456	1	873	---	---	---
Subtotal forest products, wood and chips	0	---	0	---	---	---	---
4189 lumber	0	---	0	---	---	---	---
Subtotal pulp and waste paper	1	---	1	---	---	---	---
4225 pulp & waste paper	1	---	1	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	787	---	---	787	---	---	---
4323 gypsum	787	---	---	787	---	---	---
Subtotal other non-metal. min.	541	456	0	86	---	---	---
4900 non-metal. min. nec	541	456	0	86	---	---	---

PORTSMOUTH HARBOR, NH
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports*	Exports	Imports	Total	Coastwise	
						Receipts	Shipments
Total primary manufactured goods	29	---	1	---	27	27	---
Subtotal paper products	1	---	1	---	---	---	---
5120 paper & paperboard	1	---	1	---	---	---	---
Subtotal lime, cement and glass	27	---	0	---	27	27	---
5220 cement & concrete	27	---	---	---	27	27	---
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	---	---	---	---
Subtotal primary non-ferrous metal products	0	---	0	---	---	---	---
5421 copper	0	---	0	---	---	---	---
5480 fab. metal products	0	---	0	---	---	---	---
Total food and farm products	22	0	22	---	---	---	---
Subtotal vegetable products	0	---	0	---	---	---	---
6653 vegetable oils	0	---	0	---	---	---	---
6654 vegetables & prod.	0	---	0	---	---	---	---
Subtotal processed grain and animal feed	2	---	2	---	---	---	---
6747 grain mill products	1	---	1	---	---	---	---
6781 hay & fodder	1	---	1	---	---	---	---
Subtotal other agricultural products	20	0	20	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---
6838 tallow, animal oils	20	---	20	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---
6858 fruit juices	0	---	0	---	---	---	---
6885 alcoholic beverages	0	0	0	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	4	0	4	---	---	---	---
7110 machinery (not elec)	2	---	2	---	---	---	---
7120 electrical machinery	2	---	2	---	---	---	---
7210 vehicles & parts	0	---	0	---	---	---	---
7220 aircraft & 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	---	---	---	---
Ton-miles (x1000)	15,292	5,693	94	4,888	4,616	4,563	53

Tons All Traffic (x1000) 4,556
Ton-miles All Traffic (x1000) 15,292

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

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
1990	1,466	1993	1,558	1996	1,432	1999	1,422
1991	1,552	1994	1,227	1997	1,599		
1992	1,439	1995	1,197	1998	1,692		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Imports	Imports	Total	Coastwise	
					Receipts	Shipments
Total, all commodities	1,422	936	27	459	452	8
Total coal	864	864	---	---	---	---
1100 coal lignite	864	864	---	---	---	---
Total petroleum and petroleum products	551	73	27	452	452	---
Subtotal petroleum products	551	73	27	452	452	---
2211 gasoline	26	---	26	---	---	---
2330 distillate fuel oil	92	15	1	76	76	---
2340 residual fuel oil	433	57	---	376	376	---

SALEM HARBOR, MA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Imports	Imports	Total	Coastwise	
					Receipts	Shipments
Total primary manufactured goods	8	---	---	8	---	8
Subtotal lime, cement and glass	8	---	---	8	---	8
5220 cement & concrete	8	---	---	8	---	8

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
1990	21,902	1993	19,448	1996	20,104	1999	22,171
1991	18,562	1994	18,870	1997	20,893		
1992	19,208	1995	16,744	1998	21,222		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports*	Exports*	Imports*	Exports*	Total	Coastwise		
							Receipts	Shipments	
Total, all commodities	22,171	8,021	550	4,178	92	9,330	6,794	1,081	1,455
Total coal	100	87	---	---	---	13	---	13	---
1100 coal lignite	100	87	---	---	---	13	---	13	---
Total petroleum and petroleum products	17,380	6,501	7	3,926	34	6,913	5,608	530	775
Subtotal petroleum products	17,380	6,501	7	3,926	34	6,913	5,608	530	775
2211 gasoline	6,752	759	---	2,422	---	3,572	3,371	32	168
2221 kerosene	467	145	---	79	21	222	208	9	4
2330 distillate fuel oil	5,216	2,105	2	1,267	---	1,842	993	320	529
2340 residual fuel oil	1,895	580	---	147	2	1,167	926	169	71
2350 lube oil & greases	16	0	4	---	11	1	---	---	1
2410 petro. jelly & waxes	0	0	0	---	---	---	---	---	---
2429 naphtha & solvents	130	119	0	11	---	0	---	---	0
2430 asphalt, tar & pitch	111	3	1	---	---	107	107	---	---
2540 petroleum coke	0	0	0	---	---	---	---	---	---
2640 liquid natural gas	2,790	2,789	0	---	---	---	---	---	---
2990 petro. products nec	2	---	---	---	---	2	2	---	---
Total chemicals and related products	249	71	68	---	0	110	91	10	8
Subtotal fertilizers	2	0	2	---	---	---	---	---	---
3130 potassic fert.	0	---	0	---	---	---	---	---	---
3190 fert. & mixes nec	2	0	2	---	---	---	---	---	---
Subtotal other chemicals and related products	247	70	67	---	0	110	91	10	8
3211 acyclic hydrocarbons	0	---	0	---	---	---	---	---	---
3212 benzene & toluene	1	---	---	---	---	1	1	---	---
3219 other hydrocarbons	2	0	1	---	---	---	---	---	---
3220 alcohols	3	0	3	---	---	---	---	---	---
3230 carboxylic acids	11	1	10	---	---	---	---	---	---
3240 nitrogen func. comp.	6	0	6	---	---	---	---	---	---
3250 organo - inorg. comp.	1	0	1	---	---	---	---	---	---

PORT OF BOSTON, MA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports*	Exports*	Imports*	Exports*	Total	Coastwise		
							Receipts	Shipments	
3260 organic comp. nec	22	14	4	—	—	3	—	3	—
3273 ammonia	0	—	0	—	—	—	—	—	—
3274 sodium hydroxide	2	0	0	—	—	2	2	—	—
3275 inorg. elem., oxides, & halogen salts	11	8	3	—	—	0	—	0	—
3276 metallic salts	32	4	2	—	—	26	26	—	—
3279 inorganic chem. nec	3	3	0	—	—	—	—	—	—
3281 radioactive material	0	0	0	—	—	—	—	—	—
3282 pigments & paints	6	3	3	—	—	—	—	—	—
3283 coloring mat. nec	5	5	0	—	—	—	—	—	—
3284 medicines	0	0	0	—	0	—	—	—	—
3285 perfumes & cleansers	6	2	3	—	0	1	—	1	—
3286 plastics	46	22	23	—	—	1	—	1	—
3291 pesticides	1	0	1	—	—	0	—	0	—
3292 starches, gluten, glue	5	2	1	—	—	1	—	1	—
3293 explosives	0	0	—	—	—	—	—	—	—
3297 chemical additives	72	0	2	—	—	69	61	—	8
3298 wood & resin chem.	0	—	0	—	—	—	—	—	—
3299 chem. products nec	10	3	3	—	0	4	0	4	—
Total crude materials, inedible except fuels	1,303	539	314	251	56	143	—	143	—
Subtotal forest products, wood and chips	39	9	30	—	0	0	—	0	—
4110 rubber & gums	1	0	0	—	—	0	—	0	—
4150 fuel wood	0	—	0	—	—	—	—	—	—
4170 wood in the rough	4	0	4	—	—	—	—	—	—
4189 lumber	31	6	25	—	0	—	—	—	—
4190 forest products nec	3	3	1	—	—	—	—	—	—
Subtotal pulp and waste paper	61	14	46	—	—	1	—	1	—
4225 pulp & waste paper	61	14	46	—	—	1	—	1	—
Subtotal soil, sand, gravel, rock and stone	239	0	23	216	—	—	—	—	—
4310 building stone	0	0	0	—	—	—	—	—	—
4323 gypsum	216	0	0	216	—	—	—	—	—
4331 sand & gravel	23	0	23	—	—	—	—	—	—
Subtotal iron ore and scrap	407	—	208	—	56	142	—	142	—
4420 iron & steel scrap	407	—	208	—	56	142	—	142	—
Subtotal non-ferrous ores and scrap	3	2	2	—	—	—	—	—	—
4650 aluminum ore	0	0	0	—	—	—	—	—	—
4680 non-ferrous scrap	3	1	1	—	—	—	—	—	—
4690 non-ferrous ores nec	0	—	0	—	—	—	—	—	—
Subtotal sulphur, clay and salt	3	0	2	—	—	—	—	—	—
4782 clay & refrac. mat.	3	0	2	—	—	—	—	—	—
Subtotal other non-metal. min.	552	514	2	35	0	—	—	—	—
4900 non-metal. min. nec	552	514	2	35	0	—	—	—	—
Total primary manufactured goods	1,225	235	28	0	0	962	934	23	5
Subtotal paper products	68	45	14	0	0	8	—	8	—
5110 newsprint	1	0	0	—	—	0	—	0	—

PORT OF BOSTON, MA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports*	Exports*	Imports*	Exports*	Total	Coastwise		
							Receipts	Shipments	
5120 paper & paperboard	61	43	12	0	0	6	—	6	—
5190 paper products nec	6	2	2	—	0	2	—	2	—
Subtotal lime, cement and glass	1,110	154	5	—	—	952	934	13	5
5220 cement & concrete	1,038	99	—	—	—	939	934	0	5
5240 glass & glass prod.	20	5	3	—	—	12	—	12	—
5290 misc. mineral prod.	53	49	2	—	—	1	—	1	—
Subtotal primary iron and steel products	9	7	2	—	—	0	0	0	—
5312 pig iron	0	0	—	—	—	—	—	—	—
5315 ferro alloys	0	0	—	—	—	—	—	—	—
5320 i&s primary forms	0	—	0	—	—	0	—	0	—
5330 i&s plates & sheets	3	2	1	—	—	—	—	—	—
5360 i&s bars & shapes	4	4	0	—	—	0	0	0	—
5370 i&s pipe & tube	0	0	0	—	—	—	—	—	—
5390 primary i&s nec	1	1	0	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	34	26	7	0	—	1	—	1	—
5421 copper	6	5	1	—	—	0	—	0	—
5422 aluminum	5	3	1	—	—	0	—	0	—
5429 smelted prod. nec	1	1	0	—	—	—	—	—	—
5480 fab. metal products	22	17	5	0	—	1	—	1	—
Subtotal primary wood products	4	3	1	—	—	0	—	0	—
5540 primary wood prod.	4	3	1	—	—	0	—	0	—
Total food and farm products	608	352	73	1	1	181	0	180	—
Subtotal fish	64	57	5	1	1	—	—	—	—
6134 fish (not shellfish)	59	55	3	0	0	—	—	—	—
6136 shellfish	5	2	1	0	1	—	—	—	—
Subtotal grain	3	2	1	—	—	—	—	—	—
6344 corn	0	—	0	—	—	—	—	—	—
6442 rice	2	2	1	—	—	—	—	—	—
6443 barley & rye	0	—	0	—	—	—	—	—	—
6447 sorghum grains	0	—	0	—	—	—	—	—	—
Subtotal oilseeds	3	0	3	—	—	0	—	0	—
6521 peanuts	0	—	0	—	—	0	—	0	—
6522 soybeans	1	—	1	—	—	—	—	—	—
6534 flaxseed	0	—	0	—	—	—	—	—	—
6590 oilseeds nec	1	0	1	—	—	—	—	—	—
Subtotal vegetable products	102	91	6	0	—	5	—	5	—
6653 vegetable oils	87	86	1	0	—	0	—	0	—
6654 vegetables & prod.	15	5	5	0	—	5	—	5	—
Subtotal processed grain and animal feed	22	9	12	—	0	0	—	0	—
6746 wheat flour	0	0	—	—	—	—	—	—	—
6747 grain mill products	10	9	1	—	—	0	—	0	—
6781 hay & fodder	4	—	4	—	—	—	—	—	—
6782 animal feed, prep.	8	0	8	—	0	—	—	—	—
Subtotal other agricultural products	415	193	46	0	0	175	0	175	—
6811 meat, fresh, frozen	8	0	8	—	—	0	—	0	—
6817 meat, prepared	0	0	0	—	—	—	—	—	—
6822 dairy products	8	1	1	—	—	7	—	7	—
6835 fish, prepared	2	1	0	0	—	—	—	—	—

PORT OF BOSTON, MA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports*	Exports*	Imports*	Exports*	Total	Coastwise		
							Receipts	Shipments	
6838 tallow, animal oils	0	0	0	—	—	—	—	—	—
6839 animals & prod. nec	19	1	18	0	—	0	—	0	—
6856 bananas & plantains	0	—	0	—	—	—	—	—	—
6857 fruit & nuts nec	18	0	7	—	0	11	—	11	—
6858 fruit juices	5	4	1	—	0	0	—	0	—
6861 sugar	0	0	—	—	—	—	—	—	—
6871 coffee	2	2	0	—	—	0	—	0	—
6872 cocoa beans	8	2	—	—	—	7	—	7	—
6885 alcoholic beverages	301	153	2	0	0	146	0	145	—
6888 water & ice	8	7	0	—	—	1	—	1	—
6889 food products nec	28	19	6	—	—	3	—	3	—
6891 tobacco & products	4	2	1	—	—	0	—	0	—
6893 cotton	2	—	2	—	—	—	—	—	—
6894 natural fibers nec	0	0	0	—	—	—	—	—	—
6899 farm products nec	2	1	0	—	—	1	—	1	—
Total all manufactured equipment, machinery and products	630	231	57	0	0	341	160	181	—
7110 machinery (not elec)	40	25	14	—	0	2	—	2	—
7120 electrical machinery	22	12	7	—	0	4	0	3	—
7210 vehicles & parts	140	131	8	—	—	1	0	1	—
7220 aircraft & parts	0	0	0	—	—	0	—	0	—
7230 ships & boats	1	0	0	0	—	—	—	—	—
7300 ordnance & access.	0	0	0	—	—	—	—	—	—
7400 manufac. wood prod.	8	3	4	—	0	1	—	1	—
7500 textile products	23	15	7	0	0	1	0	0	—
7600 rubber & plastic pr.	18	11	7	—	0	0	—	0	—
7900 manufac. prod. nec	377	34	9	0	0	333	160	173	—
Total waste and scrap nec	668	—	—	—	—	668	—	—	668
8900 waste and scrap nec	668	—	—	—	—	668	—	—	668
Total unknown or not elsewhere classified	8	6	2	0	—	—	—	—	—
9900 unknown or nec	8	6	2	0	—	—	—	—	—

*Includes 2 (x1000) tons of foreign inbound in-transits; Includes 2 (x1000) tons of foreign outbound in-transits;
Includes 0 (x1000) tons of Canadian inbound in-transits; Includes 0 (x1000) tons of Canadian outbound 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
1990	20,007	1993	18,009	1996	17,777	1999	20,056
1991	16,656	1994	17,040	1997	18,394		
1992	17,462	1995	14,448	1998	18,731		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	4,622	3,391	372	797	62
Total coal	87	87	—	—	—
1100 coal lignite	87	87	—	—	—
Total petroleum and petroleum products	3,046	2,275	7	730	34
Subtotal petroleum products	3,046	2,275	7	730	34
2211 gasoline	503	196	—	307	—
2221 kerosene	92	64	—	7	21
2330 distillate fuel oil	1,403	1,030	2	371	—
2340 residual fuel oil	543	495	—	46	2
2350 lube oil & greases	15	0	4	—	11
2410 petro. jelly & waxes	0	0	0	—	—
2429 naphtha & solvents	40	40	0	—	—
2430 asphalt, tar & pitch	1	—	1	—	—
2540 petroleum coke	0	0	0	—	—
2640 liquid natural gas	450	450	0	—	—
Total chemicals and related products	132	65	68	—	0
Subtotal fertilizers	2	0	2	—	—
3130 potassic fert.	0	—	0	—	—
3190 fert. & mixes nec	2	0	2	—	—
Subtotal other chemicals and related products	130	64	66	—	0
3211 acyclic hydrocarbons	0	—	0	—	—
3219 other hydrocarbons	2	0	1	—	—
3220 alcohols	3	0	3	—	—
3230 carboxylic acids	11	1	10	—	—
3240 nitrogen func. comp.	6	0	6	—	—
3250 organo - inorg. comp.	1	0	1	—	—
3260 organic comp. nec	12	8	4	—	—
3273 ammonia	0	—	0	—	—
3274 sodium hydroxide	0	0	0	—	—
3275 inorg. elem.oxides, & halogen salts	11	8	3	—	—
3276 metallic salts	6	4	2	—	—
3279 inorganic chem. nec	3	3	0	—	—
3281 radioactive material	0	0	0	—	—
3282 pigments & paints	6	3	3	—	—
3283 coloring mat. nec	5	5	0	—	—
3284 medicines	0	0	0	—	0
3285 perfumes & cleansers	5	2	3	—	0
3286 plastics	44	22	22	—	—
3291 pesticides	1	0	1	—	—
3292 starches, gluten, glue	4	2	1	—	—
3293 explosives	0	0	—	—	—
3297 chemical additives	2	0	2	—	—
3298 wood & resin chem.	0	—	0	—	—
3299 chem. products nec	6	3	3	—	0
Total crude materials, inedible except fuels	565	324	148	65	28
Subtotal forest products, wood and chips	37	8	29	—	0
4110 rubber & gums	0	0	0	—	—
4150 fuel wood	0	—	0	—	—
4170 wood in the rough	4	0	4	—	—
4189 lumber	30	6	24	—	0
4190 forest products nec	3	3	1	—	—
Subtotal pulp and waste paper	59	14	46	—	—
4225 pulp & waste paper	59	14	46	—	—
Subtotal soil, sand, gravel, rock and stone	52	0	21	30	—
4310 building stone	0	0	0	—	—
4323 gypsum	30	0	0	30	—
4331 sand & gravel	21	0	21	—	—
Subtotal iron ore and scrap	74	—	46	—	28
4420 iron & steel scrap	74	—	46	—	28
Subtotal non-ferrous ores and scrap	3	2	1	—	—
4650 aluminum ore	0	0	0	—	—
4680 non-ferrous scrap	3	1	1	—	—
4690 non-ferrous ores nec	0	—	0	—	—
Subtotal sulphur, clay and salt	3	0	2	—	—
4782 clay & refrac. mat.	3	0	2	—	—

MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Subtotal other non-metal. min.	337	300	2	35	0
4900 non-metal. min. nec	337	300	2	35	0
Total primary manufactured goods	244	220	24	0	---
Subtotal paper products	56	45	11	0	---
5110 newsprint	1	0	0	---	---
5120 paper & paperboard	52	43	9	0	---
5190 paper products nec	4	2	2	---	---
Subtotal lime, cement and glass	143	138	4	---	---
5220 cement & concrete	84	84	---	---	---
5240 glass & glass prod.	8	5	2	---	---
5290 misc. mineral prod.	51	49	2	---	---
Subtotal primary iron and steel products	9	7	2	---	---
5312 pig iron	0	0	---	---	---
5315 ferro alloys	0	0	---	---	---
5320 i&s primary forms	0	---	0	---	---
5330 i&s plates & sheets	3	2	1	---	---
5360 i&s bars & shapes	4	4	0	---	---
5370 i&s pipe & tube	0	0	0	---	---
5390 primary i&s nec	1	1	0	---	---
Subtotal primary non-ferrous metal products	33	26	7	0	---
5421 copper	6	5	1	---	---
5422 aluminum	5	3	1	---	---
5429 smelted prod. nec	1	1	0	---	---
5480 fab. metal products	21	17	4	0	---
Subtotal primary wood products	4	3	1	---	---
5540 primary wood prod.	4	3	1	---	---
Total food and farm products	345	276	68	1	0
Subtotal fish	27	22	4	1	0
6134 fish (not shellfish)	24	20	3	0	0
6136 shellfish	3	2	1	0	---
Subtotal grain	3	2	1	---	---
6344 corn	0	---	0	---	---
6442 rice	2	2	1	---	---
6443 barley & rye	0	---	0	---	---
6447 sorghum grains	0	---	0	---	---
Subtotal oilseeds	3	0	3	---	---
6521 peanuts	0	---	0	---	---
6522 soybeans	1	---	1	---	---
6534 flaxseed	0	---	0	---	---
6590 oilseeds nec	1	0	1	---	---
Subtotal vegetable products	55	51	4	0	---
6653 vegetable oils	46	46	1	0	---
6654 vegetables & prod.	9	5	3	0	---
Subtotal processed grain and animal feed	21	9	12	---	0
6746 wheat flour	0	0	---	---	---
6747 grain mill products	10	9	0	---	---
6781 hay & fodder	4	---	4	---	---
6782 animal feed, prep.	8	0	8	---	0
Subtotal other agricultural products	236	192	44	0	0
6811 meat, fresh, frozen	8	0	8	---	---
6817 meat, prepared	0	0	0	---	---
6822 dairy products	2	1	1	---	---
6835 fish, prepared	1	1	0	0	---
6838 tallow, animal oils	0	0	0	---	---
6839 animals & prod. nec	18	0	18	---	---
6856 bananas & plantains	0	---	0	---	---
6857 fruit & nuts nec	7	0	6	---	0
6858 fruit juices	5	4	1	---	0
6861 sugar	0	0	---	---	---
6871 coffee	2	2	0	---	---
6872 cocoa beans	2	2	---	---	---
6885 alcoholic beverages	155	153	1	0	0
6888 water & ice	7	7	0	---	---
6889 food products nec	24	19	5	---	---
6891 tobacco & products	4	2	1	---	---
6893 cotton	2	---	2	---	---
6894 natural fibers nec	0	0	0	---	---
6899 farm products nec	1	1	0	---	---
Total all manufactured equipment, machinery and products	199	143	55	0	0
7110 machinery (not elec)	37	24	13	---	0
7120 electrical machinery	18	12	7	---	0
7210 vehicles & parts	52	44	8	---	---
7220 aircraft & parts	0	0	0	---	---
7230 ships & boats	1	0	0	0	---
7300 ordnance & access.	0	0	0	---	---
7400 manufac. wood prod.	7	3	4	---	---
7500 textile products	22	15	7	0	0
7600 rubber & plastic pr.	18	11	6	---	---
7900 manufac. prod. nec	43	34	9	0	0

MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total unknown or not elsewhere classified	4	2	2	0	—
9900 unknown or nec	4	2	2	0	—
Ton-miles (x1000) Foreign & Canadian	4,622	3,391	372	797	62

Commodity	Total*	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound		Outbound	
				Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	2,148	1,740	324	7	15	14	48
Total petroleum and petroleum products	1,653	1,557	11	7	15	14	48
Subtotal petroleum products	1,653	1,557	11	7	15	14	48
2211 gasoline	963	957	—	—	—	—	6
2221 kerosene	104	104	—	—	—	—	—
2330 distillate fuel oil	406	363	—	—	—	1	41
2340 residual fuel oil	179	132	11	7	15	13	—
2350 lube oil & greases	1	—	—	—	—	1	0
Total chemicals and related products	11	0	10	—	—	—	—
Subtotal other chemicals and related products	11	0	10	—	—	—	—
3260 organic comp. nec	3	—	3	—	—	—	—
3274 sodium hydroxide	0	0	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—	—	—
3285 perfumes & cleansers	1	—	1	—	—	—	—
3286 plastics	1	—	1	—	—	—	—
3291 pesticides	0	—	0	—	—	—	—
3292 starches, gluten, glue	1	—	1	—	—	—	—
3299 chem. products nec	4	0	4	—	—	—	—
Total crude materials, inedible except fuels	46	—	46	—	—	—	—
Subtotal forest products, wood and chips	0	—	0	—	—	—	—
4110 rubber & gums	0	—	0	—	—	—	—
Subtotal pulp and waste paper	1	—	1	—	—	—	—
4225 pulp & waste paper	1	—	1	—	—	—	—
Subtotal iron ore and scrap	45	—	45	—	—	—	—
4420 iron & steel scrap	45	—	45	—	—	—	—
Total primary manufactured goods	204	181	23	—	—	—	—
Subtotal paper products	8	—	8	—	—	—	—
5110 newsprint	0	—	0	—	—	—	—
5120 paper & paperboard	6	—	6	—	—	—	—
5190 paper products nec	2	—	2	—	—	—	—
Subtotal lime, cement and glass	195	181	13	—	—	—	—
5220 cement & concrete	181	181	—	—	—	—	—
5240 glass & glass prod.	12	—	12	—	—	—	—
5290 misc. mineral prod.	1	—	1	—	—	—	—
Subtotal primary iron and steel products	0	0	0	—	—	—	—
5320 i&s primary forms	0	—	0	—	—	—	—
5360 i&s bars & shapes	0	0	0	—	—	—	—
Subtotal primary non-ferrous metal products	1	—	1	—	—	—	—
5421 copper	0	—	0	—	—	—	—
5422 aluminum	0	—	0	—	—	—	—
5480 fab. metal products	1	—	1	—	—	—	—
Subtotal primary wood products	0	—	0	—	—	—	—
5540 primary wood prod.	0	—	0	—	—	—	—
Total food and farm products	181	0	180	—	—	—	—
Subtotal oilseeds	0	—	0	—	—	—	—
6521 peanuts	0	—	0	—	—	—	—
Subtotal vegetable products	5	—	5	—	—	—	—
6653 vegetable oils	0	—	0	—	—	—	—
6654 vegetables & prod.	5	—	5	—	—	—	—
Subtotal processed grain and animal feed	0	—	0	—	—	—	—
6747 grain mill products	0	—	0	—	—	—	—
Subtotal other agricultural products	175	0	175	—	—	—	—
6811 meat, fresh, frozen	0	—	0	—	—	—	—
6822 dairy products	7	—	7	—	—	—	—
6839 animals & prod. nec	0	—	0	—	—	—	—
6857 fruit & nuts nec	11	—	11	—	—	—	—
6858 fruit juices	0	—	0	—	—	—	—
6871 coffee	0	—	0	—	—	—	—
6872 cocoa beans	7	—	7	—	—	—	—
6885 alcoholic beverages	146	0	145	—	—	—	—
6888 water & ice	1	—	1	—	—	—	—

MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound		Outbound	
				Upbound	Downbnd	Upbound	Downbnd
6889 food products nec	3	—	3	—	—	—	—
6891 tobacco & products	0	—	0	—	—	—	—
6899 farm products nec	1	—	1	—	—	—	—
Total all manufactured equipment, machinery and products	54	0	53	—	—	—	—
7110 machinery (not elec)	2	—	2	—	—	—	—
7120 electrical machinery	4	0	3	—	—	—	—
7210 vehicles & parts	1	0	1	—	—	—	—
7220 aircraft & parts	0	—	0	—	—	—	—
7400 manufac. wood prod.	1	—	1	—	—	—	—
7500 textile products	1	0	0	—	—	—	—
7600 rubber & plastic pr.	0	—	0	—	—	—	—
7900 manufac. prod. nec	45	—	45	—	—	—	—
Ton-miles (x1000) Domestic	2,708	2,081	441	37	44	54	50
Tons All Traffic (x1000)	20,056						
Ton-miles All Traffic (x1000)	79,530						

*Does not include 13,285 (x1000) tons of through traffic

*Includes 1 (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; Includes 0 (x1000) tons of Canadian outbound 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
1990	7,913	1993	8,276	1996	6,583	1999	7,397
1991	9,199	1994	8,013	1997	6,090		
1992	8,821	1995	6,995	1998	7,559		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
Total, all commodities	3,744	1,523	5	2,216
Total petroleum and petroleum products	3,507	1,291	0	2,216
Subtotal petroleum products	3,507	1,291	0	2,216
2211 gasoline	1,697	250	—	1,447
2221 kerosene	96	81	—	15
2330 distillate fuel oil	1,467	723	—	744
2340 residual fuel oil	53	53	—	—
2350 lube oil & greases	0	—	0	—
2429 naphtha & solvents	37	26	—	11
2430 asphalt, tar & pitch	3	3	—	—
2640 liquid natural gas	154	154	—	—
Total chemicals and related products	7	6	1	—
Subtotal other chemicals and related products	7	6	1	—
3219 other hydrocarbons	0	—	0	—
3260 organic comp. nec	6	6	0	—
3284 medicines	0	—	0	—
3285 perfumes & cleansers	0	—	0	—
3286 plastics	0	—	0	—
3292 starches, gluten, glue	0	—	0	—
Total crude materials, inedible except fuels	215	215	1	—
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 non-ferrous ores and scrap	0	—	0	—
4680 non-ferrous scrap	0	—	0	—
Subtotal other non-metal. min.	215	215	0	—
4900 non-metal. min. nec	215	215	0	—
Total primary manufactured goods	9	7	2	—
Subtotal paper products	2	—	2	—
5120 paper & paperboard	2	—	2	—

CHELSEA RIVER, MA (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
Subtotal lime, cement and glass	7	7	0	---
5220 cement & concrete	7	7	---	---
5240 glass & glass prod.	0	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	5	4	0	---
Subtotal fish	0	---	0	---
6134 fish (not shellfish)	0	---	0	---
Subtotal grain	0	---	0	---
6344 corn	0	---	0	---
Subtotal vegetable products	4	4	0	---
6653 vegetable oils	4	4	---	---
6654 vegetables & prod.	0	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	---
6857 fruit & nuts nec	0	---	0	---
6885 alcoholic beverages	0	---	0	---
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	---
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	11,232	4,570	14	6,648

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	3,653	2,937	301	153	181	58	24
Total petroleum and petroleum products	3,562	2,854	301	145	181	58	24
Subtotal petroleum products	3,562	2,854	301	145	181	58	24
2211 gasoline	1,933	1,845	---	69	7	---	12
2221 kerosene	77	64	9	---	---	4	---
2330 distillate fuel oil	963	452	244	57	150	52	8
2340 residual fuel oil	478	384	47	18	24	1	3
2350 lube oil & greases	0	---	---	0	---	---	---
2429 naphtha & solvents	0	---	---	0	---	---	---
2430 asphalt, tar & pitch	107	107	---	---	---	---	---
2990 petro. products nec	2	2	---	---	---	---	---
Total chemicals and related products	71	63	---	8	---	---	---
Subtotal other chemicals and related products	71	63	---	8	---	---	---
3212 benzene & toluene	1	1	---	---	---	---	---
3297 chemical additives	69	61	---	8	---	---	---
Total primary manufactured goods	21	21	---	---	---	---	---
Subtotal lime, cement and glass	21	21	---	---	---	---	---
5220 cement & concrete	21	21	---	---	---	---	---
Ton-miles (x1000) Domestic	8,606	6,735	850	387	542	58	34
Tons All Traffic (x1000)	7,397						
Ton-miles All Traffic (x1000)	19,837						

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
1990	4,783	1993	5,581	1996	3,954	1999	6,043
1991	3,850	1994	4,538	1997	4,396		
1992	5,069	1995	3,517	1998	3,856		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	2,650	2,273	163	186	28
Total petroleum and petroleum products	2,186	2,186	---	---	---
Subtotal petroleum products	2,186	2,186	---	---	---
2640 liquid natural gas	2,186	2,186	---	---	---
Total crude materials, inedible except fuels	377	---	163	186	28
Subtotal soil, sand, gravel, rock and stone	186	---	---	186	---
4323 gypsum	186	---	---	186	---
Subtotal iron ore and scrap	191	---	163	---	28
4420 iron & steel scrap	191	---	163	---	28
Total all manufactured equipment, machinery and products	87	87	0	---	---
7210 vehicles & parts	87	87	0	---	---
Ton-miles (x1000) Foreign & Canadian	2,650	2,273	163	186	28

Commodity	Total*	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total, all commodities	2,020	1,593	271	148	8
Total petroleum and petroleum products	906	709	46	148	3
Subtotal petroleum products	906	709	46	148	3
2211 gasoline	366	328	---	38	---
2221 kerosene	1	1	---	---	---
2330 distillate fuel oil	205	67	46	89	3
2340 residual fuel oil	333	313	---	20	---
2350 lube oil & greases	0	---	---	0	---
Total crude materials, inedible except fuels	97	---	97	---	---
Subtotal iron ore and scrap	97	---	97	---	---
4420 iron & steel scrap	97	---	97	---	---
Total primary manufactured goods	729	724	0	---	5
Subtotal lime, cement and glass	729	724	0	---	5
5220 cement & concrete	729	724	0	---	5
Total all manufactured equipment, machinery and products	288	160	127	---	---
7900 manufac. prod. nec	288	160	127	---	---
Ton-miles (x1000) Domestic	2,020	1,593	271	148	8
Tons All Traffic (x1000)					6,043
Ton-miles All Traffic (x1000)					6,043

*Does not include 1,373 (x1000) tons of through traffic

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
1990	1,496	1993	1,154	1996	1,948	1999	1,699
1991	1,391	1994	1,606	1997	1,990		
1992	1,153	1995	1,834	1998	1,884		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
					Receipts	Inbound	Upbound
Total, all commodities	1,215	136	2	208	869	325	545
Total petroleum and petroleum products	771	136	---	208	427	325	103
Subtotal petroleum products	771	136	---	208	427	325	103
2211 gasoline	442	50	---	165	227	198	29
2221 kerosene	18	---	---	---	18	18	---
2330 distillate fuel oil	258	86	---	32	140	67	73
2340 residual fuel oil	53	---	---	11	41	41	---
Total chemicals and related products	0	---	0	---	---	---	---
Subtotal other chemicals and related products	0	---	0	---	---	---	---
3284 medicines	0	---	0	---	---	---	---
3286 plastics	0	---	0	---	---	---	---
Total crude materials, inedible except fuels	0	---	0	---	---	---	---
Subtotal forest products, wood and chips	0	---	0	---	---	---	---
4170 wood in the rough	0	---	0	---	---	---	---
4189 lumber	0	---	0	---	---	---	---
Total primary manufactured goods	0	---	0	---	---	---	---
Subtotal paper products	0	---	0	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---
Subtotal primary iron and steel products	0	---	0	---	---	---	---
5330 i&s plates & sheets	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	0	1	---	---	---	---
Subtotal grain	0	---	0	---	---	---	---
6442 rice	0	---	0	---	---	---	---
Subtotal vegetable products	0	0	---	---	---	---	---
6654 vegetables & prod.	0	0	---	---	---	---	---
Subtotal processed grain and animal feed	0	---	0	---	---	---	---
6781 hay & fodder	0	---	0	---	---	---	---
Subtotal other agricultural products	1	---	1	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---
6885 alcoholic beverages	1	---	1	---	---	---	---
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	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---
7900 manufac. prod. nec	0	---	0	---	---	---	---
Total waste and scrap nec	442	---	---	---	442	---	442
8900 waste and scrap nec	442	---	---	---	442	---	442
Ton-miles (x1000)	9,663	1,088	12	1,664	9,543	2,596	4,302
Tons All Traffic (x1000)		1,699					
Ton-miles All Traffic (x1000)		13,050					

*Does not include 484 (x1000) tons of through traffic

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
1990	55	1993	79	1996	269	1999	514
1991	81	1994	133	1997	321		
1992	34	1995	199	1998	518		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Total	Coastwise	Internal			
					Receipts	Inbound Upbound	Outbound Downbnd	Intra Upbound
Total, all commodities	514	106	408	139	229	16	24	
Total petroleum and petroleum products	473	65	408	139	229	16	24	
Subtotal petroleum products	473	65	408	139	229	16	24	
2211 gasoline	54	—	54	35	19	—	—	
2221 kerosene	21	—	21	21	—	—	—	
2330 distillate fuel oil	358	65	293	44	210	16	24	
2340 residual fuel oil	40	—	40	40	—	—	—	
Total crude materials, inedible except fuels	0	0	—	—	—	—	—	
Subtotal forest products, wood and chips	0	0	—	—	—	—	—	
4110 rubber & gums	0	0	—	—	—	—	—	
Total food and farm products	36	36	—	—	—	—	—	
Subtotal vegetable products	36	36	—	—	—	—	—	
6653 vegetable oils	36	36	—	—	—	—	—	
Total all manufactured equipment, machinery and products	1	1	—	—	—	—	—	
7110 machinery (not elec)	1	1	—	—	—	—	—	
Total unknown or not elsewhere classified	4	4	—	—	—	—	—	
9900 unknown or nec	4	4	—	—	—	—	—	
Ton-miles (x1000)	514	106	408	139	229	16	24	
Tons All Traffic (x1000)	514							
Ton-miles All Traffic (x1000)	514							

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
1990	12,234	1993	12,035	1996	9,666	1999	11,067
1991	12,126	1994	10,799	1997	11,033		
1992	11,326	1995	10,051	1998	11,654		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Through		Total	Coastwise		Internal	
		Upbound	Downbnd		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	11,067	375	1,163	9,529	8,582	899	24	24
Total coal	220	—	—	220	207	13	—	—
1100 coal lignite	220	—	—	220	207	13	—	—
Total petroleum and petroleum products	8,617	224	931	7,462	7,172	290	—	—
Subtotal petroleum products	8,617	224	931	7,462	7,172	290	—	—
2211 gasoline	2,976	38	22	2,915	2,855	60	—	—
2221 kerosene	369	—	—	369	369	—	—	—
2330 distillate fuel oil	961	19	91	851	717	134	—	—
2340 residual fuel oil	3,825	102	722	3,001	2,946	55	—	—
2350 lube oil & greases	11	—	—	11	6	6	—	—
2410 petro. jelly & waxes	17	—	—	17	8	8	—	—

CAPE COD CANAL, MA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Total	Domestic			
		Through			Coastwise		Internal	
		Upbound	Downbnd		Upbound	Downbnd	Upbound	Downbnd
2430 asphalt, tar & pitch	336	16	39	282	255	26	—	—
2540 petroleum coke	61	16	33	12	12	—	—	—
2990 petro. products nec	59	33	24	2	2	—	—	—
Total chemicals and related products	198	—	—	198	145	53	—	—
Subtotal other chemicals and related products	198	—	—	198	145	53	—	—
3212 benzene & toluene	6	—	—	6	4	2	—	—
3220 alcohols	9	—	—	9	5	5	—	—
3260 organic comp. nec	3	—	—	3	—	3	—	—
3274 sodium hydroxide	68	—	—	68	48	21	—	—
3275 inorg. elem., oxides, & halogen salts	0	—	—	0	—	0	—	—
3276 metallic salts	26	—	—	26	26	—	—	—
3285 perfumes & cleansers	1	—	—	1	—	1	—	—
3286 plastics	1	—	—	1	—	1	—	—
3291 pesticides	0	—	—	0	—	0	—	—
3292 starches, gluten, glue	1	—	—	1	—	1	—	—
3297 chemical additives	73	—	—	73	61	12	—	—
3298 wood & resin chem.	4	—	—	4	2	2	—	—
3299 chem. products nec	4	—	—	4	0	4	—	—
Total crude materials, inedible except fuels	288	9	168	111	14	97	—	—
Subtotal forest products, wood and chips	0	—	—	0	—	0	—	—
4110 rubber & gums	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	140	—	140	—	—	—	—	—
4323 gypsum	140	—	140	—	—	—	—	—
Subtotal iron ore and scrap	110	—	—	110	14	96	—	—
4420 iron & steel scrap	110	—	—	110	14	96	—	—
Subtotal other non-metal. min.	36	9	28	—	—	—	—	—
4900 non-metal. min. nec	36	9	28	—	—	—	—	—
Total primary manufactured goods	1,081	52	12	1,016	883	85	24	24
Subtotal paper products	12	—	4	8	—	8	—	—
5110 newsprint	0	—	—	0	—	0	—	—
5120 paper & paperboard	6	—	—	6	—	6	—	—
5190 paper products nec	6	—	4	2	—	2	—	—
Subtotal lime, cement and glass	1,067	52	8	1,006	883	75	24	24
5220 cement & concrete	1,046	52	8	985	883	54	24	24
5240 glass & glass prod.	12	—	—	12	—	12	—	—
5290 misc. mineral prod.	9	—	—	9	—	9	—	—
Subtotal primary iron and steel products	0	—	—	0	0	0	—	—
5320 i&s primary forms	0	—	—	0	—	0	—	—
5360 i&s bars & shapes	0	—	—	0	0	0	—	—
Subtotal primary non-ferrous metal products	1	—	—	1	—	1	—	—
5421 copper	0	—	—	0	—	0	—	—
5422 aluminum	0	—	—	0	—	0	—	—
5480 fab. metal products	1	—	—	1	—	1	—	—
Subtotal primary wood products	0	—	—	0	—	0	—	—
5540 primary wood prod.	0	—	—	0	—	0	—	—
Total food and farm products	197	6	10	181	0	180	—	—
Subtotal fish	16	6	10	—	—	—	—	—
6134 fish (not shellfish)	16	6	10	—	—	—	—	—
Subtotal oilseeds	0	—	—	0	—	0	—	—
6521 peanuts	0	—	—	0	—	0	—	—
Subtotal vegetable products	5	—	—	5	—	5	—	—
6653 vegetable oils	0	—	—	0	—	0	—	—
6654 vegetables & prod.	5	—	—	5	—	5	—	—
Subtotal processed grain and animal feed	0	—	—	0	—	0	—	—
6747 grain mill products	0	—	—	0	—	0	—	—
Subtotal other agricultural products	175	—	—	175	0	175	—	—
6811 meat, fresh, frozen	0	—	—	0	—	0	—	—
6822 dairy products	7	—	—	7	—	7	—	—
6839 animals & prod. nec	0	—	—	0	—	0	—	—
6857 fruit & nuts nec	11	—	—	11	—	11	—	—
6858 fruit juices	0	—	—	0	—	0	—	—
6871 coffee	0	—	—	0	—	0	—	—

CAPE COD CANAL, MA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Total	Domestic			
		Through			Coastwise	Internal		
		Upbound	Downbnd			Through		
						Upbound	Downbnd	Upbound
6872 cocoa beans	7	—	—	7	—	7	—	—
6885 alcoholic beverages	146	—	—	146	0	145	—	—
6888 water & ice	1	—	—	1	—	1	—	—
6889 food products nec	3	—	—	3	—	3	—	—
6891 tobacco & products	0	—	—	0	—	0	—	—
6899 farm products nec	1	—	—	1	—	1	—	—
Total all manufactured equipment, machinery and products	467	83	43	341	160	181	—	—
7110 machinery (not elec)	2	—	—	2	—	2	—	—
7120 electrical machinery	4	—	—	4	0	3	—	—
7210 vehicles & parts	55	34	21	1	0	1	—	—
7220 aircraft & parts	0	—	—	0	—	0	—	—
7400 manufac. wood prod.	1	—	—	1	—	1	—	—
7500 textile products	1	—	—	1	0	0	—	—
7600 rubber & plastic pr.	0	—	—	0	—	0	—	—
7900 manufac. prod. nec	405	49	22	333	160	173	—	—
Ton-miles (x1000)	191,726	6,752	20,942	164,032	151,163	12,869	0	0

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

11,067
191,726

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
1990	406	1993	503	1996	516	1999	687
1991	503	1994	601	1997	554		
1992	484	1995	570	1998	533		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic			
		Imports*	Imports	Total	Coastwise		Internal
					Receipts	Shipments	Intraport
Total, all commodities	686	72	54	560	263	289	9
Total petroleum and petroleum products	355	57	—	298	263	26	9
Subtotal petroleum products	355	57	—	298	263	26	9
2211 gasoline	13	—	—	13	—	13	—
2330 distillate fuel oil	155	—	—	155	133	13	9
2340 residual fuel oil	187	57	—	130	130	—	—
Total crude materials, inedible except fuels	322	9	54	259	—	259	—
Subtotal forest products, wood and chips	9	9	—	0	—	0	—
4110 rubber & gums	7	7	—	—	—	—	—
4170 wood in the rough	0	—	—	0	—	0	—
4189 lumber	2	2	—	0	—	0	—
4190 forest products nec	0	0	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	254	—	—	254	—	254	—
4331 sand & gravel	249	—	—	249	—	249	—
4338 soil & fill dirt	5	—	—	5	—	5	—
Subtotal iron ore and scrap	5	—	—	5	—	5	—
4420 iron & steel scrap	5	—	—	5	—	5	—
Subtotal other non-metal. min.	54	—	54	1	—	1	—
4900 non-metal. min. nec	54	—	54	1	—	1	—
Total primary manufactured goods	0	0	—	0	—	0	—
Subtotal paper products	0	0	—	—	—	—	—
5190 paper products nec	0	0	—	—	—	—	—
Subtotal primary non-ferrous metal products	0	—	—	0	—	0	—
5480 fab. metal products	0	—	—	0	—	0	—
Total food and farm products	7	7	—	—	—	—	—
Subtotal fish	7	7	—	—	—	—	—
6134 fish (not shellfish)	7	7	—	—	—	—	—
6136 shellfish	0	0	—	—	—	—	—

NEW BEDFORD AND FAIRHAVEN HARBOR, MA
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports	Imports	Total	Coastwise		Internal Inraport
						Receipts	Shipments	
Subtotal other agricultural products	0	0						
6835 fish, prepared	0	0						
Total all manufactured equipment, machinery and products	3	0			3	0	3	
7110 machinery (not elec)	0				0	0	0	
7400 manufac. wood prod.	3				3		3	
7900 manufac. prod. nec	0	0			0	0	0	

*Includes 0 (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
1990	4,413	1993	3,458	1996	3,180	1999	3,395
1991	3,884	1994	4,178	1997	3,394		
1992	3,530	1995	3,282	1998	3,776		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise		Internal Receipts
						Receipts	Shipments	
Total, all commodities	3,395	501	4	4	2,886	2,875	11	
Total coal	3,055	447			2,608	2,608		
1100 coal lignite	3,055	447			2,608	2,608		
Total petroleum and petroleum products	291	26	2		263	252	11	
Subtotal petroleum products	291	26	2		263	252	11	
2221 kerosene	2				2	2		
2330 distillate fuel oil	91				91	80	11	
2340 residual fuel oil	195	26			169	169		
2350 lube oil & greases	2		2					
Total chemicals and related products	22	18	0	4				
Subtotal other chemicals and related products	22	18	0	4				
3230 carboxylic acids	0		0					
3240 nitrogen func. comp.	0		0					
3250 organo - inorg. comp.	0		0					
3274 sodium hydroxide	9	5		4				
3275 inorg. elem., oxides, & halogen salts	9	9						
3276 metallic salts	4	4						
3282 pigments & paints	0		0					
3286 plastics	0		0					
Total crude materials, inedible except fuels	10	10	0					
Subtotal forest products, wood and chips	10	10	0					
4110 rubber & gums	8	8						
4170 wood in the rough	0		0					
4189 lumber	2	2	0					
Total primary manufactured goods	0	0	0					
Subtotal paper products	0		0					
5120 paper & paperboard	0		0					
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					
Subtotal primary wood products	0	0						
5540 primary wood prod.	0	0						
Total food and farm products	15	0	0		15	15		
Subtotal fish	0		0					
6134 fish (not shellfish)	0		0					

FALL RIVER HARBOR, MA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
					Receipts	Receipts	Receipts
Subtotal grain	15	---	---	---	15	15	---
6344 corn	15	---	---	---	15	15	---
Subtotal vegetable products	0	---	0	---	---	---	---
6654 vegetables & prod.	0	---	0	---	---	---	---
Subtotal other agricultural products	0	0	---	---	---	---	---
6858 fruit juices	0	0	---	---	---	---	---
6885 alcoholic beverages	0	0	---	---	---	---	---
6889 food products nec	0	0	---	---	---	---	---
Total all manufactured equipment, machinery and products	1	---	1	---	---	---	---
7110 machinery (not elec)	1	---	1	---	---	---	---
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	---	---	---	---
7900 manufac. prod. nec	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
1990	7,129	1993	6,558	1996	7,803	1999	8,627
1991	6,015	1994	6,567	1997	8,814		
1992	6,185	1995	6,932	1998	8,028		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports	Imports	Exports
Total, all commodities	4,065	3,561	97	383	24
Total petroleum and petroleum products	2,990	2,766	---	224	---
Subtotal petroleum products	2,990	2,766	---	224	---
2211 gasoline	1,911	1,780	---	131	---
2330 distillate fuel oil	396	376	---	20	---
2429 naphtha & solvents	55	55	---	---	---
2540 petroleum coke	305	232	---	73	---
2640 liquid natural gas	323	323	---	---	---
Total chemicals and related products	31	31	---	---	---
Subtotal other chemicals and related products	31	31	---	---	---
3274 sodium hydroxide	31	31	---	---	---
Total crude materials, inedible except fuels	575	295	97	159	24
Subtotal forest products, wood and chips	12	12	---	---	---
4110 rubber & gums	12	12	---	---	---
Subtotal soil, sand, gravel, rock and stone	1	1	---	---	---
4310 building stone	1	1	---	---	---
Subtotal iron ore and scrap	121	---	97	---	24
4420 iron & steel scrap	121	---	97	---	24
Subtotal other non-metal. min.	442	283	---	159	---
4900 non-metal. min. nec	442	283	---	159	---
Total primary manufactured goods	460	460	0	---	---
Subtotal lime, cement and glass	414	414	0	---	---
5220 cement & concrete	401	401	---	---	---
5290 misc. mineral prod.	14	14	0	---	---
Subtotal primary iron and steel products	45	45	---	---	---
5330 i&s plates & sheets	37	37	---	---	---
5360 i&s bars & shapes	8	8	---	---	---
Subtotal primary non-ferrous metal products	0	---	0	---	---
5480 fab. metal products	0	---	0	---	---
Total all manufactured equipment, machinery and products	10	10	0	---	---
7210 vehicles & parts	9	9	---	---	---
7230 ships & boats	1	1	0	---	---
7500 textile products	0	---	0	---	---

PROVIDENCE RIVER AND HARBOR, RI
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	4,562	4,361	158	11	11	21
Total petroleum and petroleum products	4,258	4,176	40	11	11	21
Subtotal petroleum products	4,258	4,176	40	11	11	21
2211 gasoline	2,360	2,337	12	11	—	—
2221 kerosene	23	23	—	—	—	—
2330 distillate fuel oil	1,627	1,567	27	—	11	21
2340 residual fuel oil	239	239	—	—	—	—
2430 asphalt, tar & pitch	9	9	—	—	—	—
Total chemicals and related products	18	18	—	—	—	—
Subtotal other chemicals and related products	18	18	—	—	—	—
3274 sodium hydroxide	18	18	—	—	—	—
Total crude materials, inedible except fuels	108	—	108	—	—	—
Subtotal iron ore and scrap	108	—	108	—	—	—
4420 iron & steel scrap	108	—	108	—	—	—
Total primary manufactured goods	178	168	10	—	—	—
Subtotal lime, cement and glass	178	168	10	—	—	—
5220 cement & concrete	178	168	10	—	—	—

*Includes 56 (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
1990	2,149	1993	1,793	1996	2,049	1999	1,734
1991	2,130	1994	1,675	1997	1,915		
1992	1,765	1995	1,636	1998	2,036		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
Total, all commodities	138	43	1	93
Total petroleum and petroleum products	47	25	0	22
Subtotal petroleum products	47	25	0	22
2330 distillate fuel oil	47	25	—	22
2350 lube oil & greases	0	—	0	—
Total chemicals and related products	0	—	0	—
Subtotal other chemicals and related products	0	—	0	—
3240 nitrogen func. comp.	0	—	0	—
Total crude materials, inedible except fuels	71	—	0	71
Subtotal forest products, wood and chips	71	—	—	71
4189 lumber	71	—	—	71
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	—
Total primary manufactured goods	17	17	—	—
Subtotal primary non-ferrous metal products	17	17	—	—
5421 copper	17	17	—	—
5480 fab. metal products	0	0	—	—
Total food and farm products	1	—	1	—
Subtotal processed grain and animal feed	0	—	0	—
6782 animal feed, prep.	0	—	0	—
Subtotal other agricultural products	1	—	1	—
6811 meat, fresh, frozen	1	—	1	—
6857 fruit & nuts nec	0	—	0	—
6885 alcoholic beverages	0	—	0	—
6889 food products nec	0	—	0	—
6899 farm products nec	0	—	0	—
Total all manufactured equipment, machinery and products	1	1	0	—
7110 machinery (not elec)	0	0	0	—

NEW LONDON HARBOR, CT
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
7120 electrical machinery	1	1	0	—
7500 textile products	0	—	0	—
7900 manufac. prod. nec	0	0	0	—

Commodity	Total	Domestic				
		Coastwise				Internal
		Receipts	Shipments	Through Upbound	Downbnd	Intra Downbnd
Total, all commodities	1,597	352	112	1,126	4	2
Total coal	612	—	—	612	—	—
1100 coal lignite	612	—	—	612	—	—
Total petroleum and petroleum products	791	347	108	329	4	2
Subtotal petroleum products	791	347	108	329	4	2
2211 gasoline	7	7	—	—	—	—
2221 kerosene	19	11	8	—	—	—
2330 distillate fuel oil	473	308	101	58	4	2
2340 residual fuel oil	292	21	—	271	—	—
Total chemicals and related products	130	—	—	130	—	—
Subtotal other chemicals and related products	130	—	—	130	—	—
3219 other hydrocarbons	126	—	—	126	—	—
3272 sulphuric acid	2	—	—	2	—	—
3274 sodium hydroxide	2	—	—	2	—	—
Total crude materials, inedible except fuels	55	—	—	55	—	—
Subtotal soil, sand, gravel, rock and stone	55	—	—	55	—	—
4322 limestone	55	—	—	55	—	—
Total primary manufactured goods	6	4	2	—	—	—
Subtotal primary non-ferrous metal products	6	4	2	—	—	—
5480 fab. metal products	6	4	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	2	0	2	—	—	—
7900 manufac. prod. nec	2	0	2	—	—	—

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
1990	1,048	1993	1,001	1996	1,415	1999	1,130
1991	1,127	1994	965	1997	1,309		
1992	1,135	1995	1,013	1998	1,428		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Total, all commodities	1,130	1,126	4
Total coal	612	612	—
1100 coal lignite	612	612	—
Total petroleum and petroleum products	333	329	4
Subtotal petroleum products	333	329	4
2330 distillate fuel oil	62	58	4
2340 residual fuel oil	271	271	—
Total chemicals and related products	130	130	—
Subtotal other chemicals and related products	130	130	—
3219 other hydrocarbons	126	126	—
3272 sulphuric acid	2	2	—
3274 sodium hydroxide	2	2	—

THAMES RIVER, CT
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Total crude materials, inedible except fuels	55	55	—
Subtotal soil, sand, gravel, rock and stone	55	55	—
4322 limestone	55	55	—
Ton-miles (x1000)	5,284	5,258	26
Tons All Traffic (x1000)	1,130		
Ton-miles All Traffic (x1000)	5,284		

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
1990	1,493	1993	638	1996	764	1999	554
1991	1,153	1994	594	1997	893		
1992	986	1995	476	1998	702		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Total, all commodities	554	550	4
Total petroleum and petroleum products	554	550	4
Subtotal petroleum products	554	550	4
2211 gasoline	22	19	3
2221 kerosene	10	10	—
2330 distillate fuel oil	83	83	—
2340 residual fuel oil	399	398	0
2430 asphalt, tar & pitch	39	39	—
Ton-miles (x1000)	17,067	16,892	174

Tons All Traffic (x1000) **554**
Ton-miles All Traffic (x1000) **17,067**

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
1990	9,301	1993	8,740	1996	8,838	1999	8,687
1991	8,154	1994	9,471	1997	9,594		
1992	8,430	1995	8,813	1998	9,193		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports	Imports	Exports	Total	Coastwise		Internal Intraport
							Receipts	Shipments	
Total, all commodities	8,687	1,807	128	105	2	6,646	6,117	404	125
Total petroleum and petroleum products	6,992	838	—	94	—	6,060	5,643	292	125
Subtotal petroleum products	6,992	838	—	94	—	6,060	5,643	292	125
2211 gasoline	3,225	373	—	5	—	2,847	2,744	89	14
2221 kerosene	118	—	—	—	—	118	118	—	—
2330 distillate fuel oil	2,520	433	—	71	—	2,016	1,742	164	109
2340 residual fuel oil	900	—	—	—	—	900	859	39	2

NEW HAVEN HARBOR, CT
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports	Imports	Exports	Total	Coastwise		Internal Intraport
							Receipts	Shipments	
2429 naphtha & solvents	18	—	—	18	—	—	—	—	
2430 asphalt, tar & pitch	167	—	—	—	167	167	—	—	
2540 petroleum coke	31	31	—	—	—	—	—	—	
2990 petro. products nec	12	—	—	—	12	12	—	—	
Total chemicals and related products	67	6	1	—	—	60	60	—	
Subtotal other chemicals and related products	67	6	1	—	—	60	60	—	
3219 other hydrocarbons	56	—	—	—	56	56	—	—	
3220 alcohols	1	—	—	—	1	1	—	—	
3274 sodium hydroxide	10	6	—	—	4	4	—	—	
3285 perfumes & cleansers	0	—	0	—	—	—	—	—	
3286 plastics	1	—	1	—	—	—	—	—	
3297 chemical additives	0	—	—	—	0	0	—	—	
3299 chem. products nec	0	—	0	—	—	—	—	—	
Total crude materials, inedible except fuels	523	141	111	11	—	260	164	96	
Subtotal forest products, wood and chips	0	—	0	—	—	—	—	—	
4190 forest products nec	0	—	0	—	—	—	—	—	
Subtotal pulp and waste paper	5	—	5	—	—	—	—	—	
4225 pulp & waste paper	5	—	5	—	—	—	—	—	
Subtotal soil, sand, gravel, rock and stone	157	—	0	—	—	157	157	—	
4331 sand & gravel	157	—	0	—	157	157	—	—	
Subtotal iron ore and scrap	207	—	105	—	—	103	7	96	
4420 iron & steel scrap	207	—	105	—	103	7	96	—	
Subtotal sulphur, clay and salt	1	—	1	—	—	—	—	—	
4782 clay & refrac. mat.	1	—	1	—	—	—	—	—	
Subtotal other non-metal. min.	152	141	—	11	—	—	—	—	
4900 non-metal. min. nec	152	141	—	11	—	—	—	—	
Total primary manufactured goods	1,099	820	15	—	2	262	246	15	
Subtotal paper products	0	—	0	—	—	—	—	—	
5120 paper & paperboard	0	—	0	—	—	—	—	—	
Subtotal lime, cement and glass	297	22	14	—	—	262	246	15	
5220 cement & concrete	246	—	—	—	246	246	—	—	
5240 glass & glass prod.	21	—	14	—	8	—	8	—	
5290 misc. mineral prod.	30	22	—	—	8	—	8	—	
Subtotal primary iron and steel products	576	574	1	—	2	—	—	—	
5320 i&s primary forms	155	155	—	—	—	—	—	—	
5330 i&s plates & sheets	250	249	—	—	2	—	—	—	
5360 i&s bars & shapes	157	157	—	—	—	—	—	—	
5370 i&s pipe & tube	6	5	1	—	—	—	—	—	

NEW HAVEN HARBOR, CT
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports	Imports	Exports	Total	Coastwise		Internal Intraport
							Receipts	Shipments	
5390 primary i&s nec	8	8	---	---	---	---	---	---	
Subtotal primary non-ferrous metal products	225	224	0	---	---	---	---	---	
5421 copper	142	142	---	---	---	---	---	---	
5422 aluminum	17	17	---	---	---	---	---	---	
5429 smelted prod. nec	49	49	0	---	---	---	---	---	
5480 fab. metal products	17	16	0	---	---	---	---	---	
Subtotal primary wood products	0	0	---	---	---	---	---	---	
5540 primary wood prod.	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	5	1	1	---	---	3	3	---	
7110 machinery (not elec)	4	0	1	---	---	3	3	---	
7230 ships & boats	0	0	---	---	---	---	---	---	
7500 textile products	0	---	0	---	---	---	---	---	
7600 rubber & plastic pr.	0	---	0	---	---	---	---	---	
7900 manufac. prod. nec	0	0	0	---	---	---	---	---	
Total unknown or not elsewhere classified	0	0	---	---	---	---	---	---	
9900 unknown or nec	0	0	---	---	---	---	---	---	

*Includes 31 (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
1990	2,852	1993	2,942	1996	4,862	1999	4,154
1991	3,268	1994	3,054	1997	5,340		
1992	2,948	1995	3,447	1998	4,626		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports	Imports	Total	Coastwise		Internal Intraport
						Receipts	Shipments	
Total, all commodities	4,154	1,127	6	28	2,993	2,590	382	20
Total coal	15	---	---	---	15	---	---	15
1100 coal lignite	15	---	---	---	15	---	---	15

BRIDGEPORT HARBOR, CT
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intraport
		Imports*	Exports	Imports	Total	Coastwise		
						Receipts	Shipments	
Total petroleum and petroleum products	3,262	841	—	28	2,392	2,005	382	5
Subtotal petroleum products	3,262	841	—	28	2,392	2,005	382	5
2211 gasoline	1,533	351	—	—	1,182	1,167	15	—
2330 distillate fuel oil	477	—	—	—	477	477	—	—
2340 residual fuel oil	1,130	466	—	—	663	291	367	5
2429 naphtha & solvents	24	24	—	—	—	—	—	—
2430 asphalt, tar & pitch	70	—	—	—	70	70	—	—
2540 petroleum coke	28	—	—	28	—	—	—	—
Total chemicals and related products	3	—	1	—	1	1	—	—
Subtotal fertilizers	1	—	1	—	—	—	—	—
3190 fert. & mixes nec	1	—	1	—	—	—	—	—
Subtotal other chemicals and related products	2	—	1	—	1	1	—	—
3276 metallic salts	0	—	0	—	—	—	—	—
3286 plastics	0	—	0	—	—	—	—	—
3299 chem. products nec	1	—	—	—	1	1	—	—
Total crude materials, inedible except fuels	586	—	2	—	584	584	—	—
Subtotal pulp and waste paper	2	—	2	—	—	—	—	—
4225 pulp & waste paper	2	—	2	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	584	—	—	—	584	584	—	—
4331 sand & gravel	584	—	—	—	584	584	—	—
Total primary manufactured goods	32	29	2	—	—	—	—	—
Subtotal paper products	2	0	2	—	—	—	—	—
5120 paper & paperboard	2	—	2	—	—	—	—	—
5190 paper products nec	0	0	0	—	—	—	—	—
Subtotal primary iron and steel products	23	23	—	—	—	—	—	—
5320 i&s primary forms	23	23	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	7	7	—	—	—	—	—	—
5429 smelted prod. nec	7	7	—	—	—	—	—	—
Total food and farm products	256	256	0	0	—	—	—	—
Subtotal vegetable products	1	1	—	—	—	—	—	—
6654 vegetables & prod.	1	1	—	—	—	—	—	—
Subtotal other agricultural products	255	255	0	0	—	—	—	—
6839 animals & prod. nec	0	—	0	—	—	—	—	—
6856 bananas & plantains	197	197	—	—	—	—	—	—
6857 fruit & nuts nec	57	57	—	—	—	—	—	—
6885 alcoholic beverages	0	—	—	0	—	—	—	—
6893 cotton	0	—	0	—	—	—	—	—
Total all manufactured equipment, machinery and products	0	—	0	—	—	—	—	—
7110 machinery (not elec)	0	—	0	—	—	—	—	—
7210 vehicles & parts	0	—	0	—	—	—	—	—
7400 manufac. wood prod.	0	—	0	—	—	—	—	—
7600 rubber & plastic pr.	0	—	0	—	—	—	—	—
Total unknown or not elsewhere classified	0	—	0	—	—	—	—	—
9900 unknown or nec	0	—	0	—	—	—	—	—

*Includes 56 (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
1990	640	1993	475	1996	495	1999	649
1991	537	1994	446	1997	713		
1992	541	1995	447	1998	725		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic	
		Coastwise	Internal
		Receipts	Intraport
Total, all commodities	649	644	5
Total petroleum and petroleum products	424	424	—
Subtotal petroleum products	424	424	—
2330 distillate fuel oil	28	28	—
2340 residual fuel oil	396	396	—
Total crude materials, inedible except fuels	220	220	—
Subtotal soil, sand, gravel, rock and stone	220	220	—
4331 sand & gravel	220	220	—
Total food and farm products	5	—	5
Subtotal fish	5	—	5
6136 shellfish	5	—	5

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
1990	522	1993	874	1996	1,037	1999	883
1991	819	1994	1,116	1997	1,041		
1992	754	1995	994	1998	991		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Total, all commodities	883	859	23
Total petroleum and petroleum products	182	182	—
Subtotal petroleum products	182	182	—
2330 distillate fuel oil	182	182	—
Total crude materials, inedible except fuels	701	677	23
Subtotal soil, sand, gravel, rock and stone	677	677	—
4331 sand & gravel	677	677	—
Subtotal iron ore and scrap	23	—	23
4420 iron & steel scrap	23	—	23

Other Harbors and Waterways 1999

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	No Commerce Reported	
CAPE PORPOISE HARBOR, ME	No Commerce Reported	
CARVERS HARBOR, ME	No Commerce Reported	
CHATHAM (STAGE) HARBOR, MA	No Commerce Reported	
CLINTON HARBOR, CT	No Commerce Reported	
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	11
	2330 distillate fuel oil	11
	4331 sand & gravel	14
	7110 machinery (not elec)	0
	7400 manufac. wood prod.	1
	Total Tons(x1000)	38
	Total Ton-miles(x1000)	38
CUTTYHUNK HARBOR, MA	2211 gasoline	0
	2330 distillate fuel oil	0

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
CUTTYHUNK HARBOR, MA - continued	4189 lumber	0
	5480 fab. metal products	0
	7110 machinery (not elec)	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	1
DAMARISCOTTA RIVER, ME	No Commerce Reported	
DORCHESTER BAY, MA (INCLUDED IN PORT OF BOSTON)	No Commerce Reported	
DUXBURY HARBOR, MA	No Commerce Reported	
EDGARTOWN HARBOR, MA	7400 manufac. wood prod.	0
	Total Tons(x1000)	0
ESSEX RIVER, MA	No Commerce Reported	
FALMOUTH HARBOR, MA	7900 manufac. prod. nec	0
	Total Tons(x1000)	0
FIVEMILE RIVER HARBOR, CT	No Commerce Reported	
FORT POINT CHANNEL, MA (INCLUDED IN PORT OF BOSTON)	No Commerce Reported	
GLOUCESTER HARBOR, MA	2330 distillate fuel oil	4
	2350 lube oil & greases	0
	6134 fish (not shellfish)	7
	6136 shellfish	1
	6835 fish, prepared	0
	7120 electrical machinery	0
	7500 textile products	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	12
GREAT SALT POND, BLOCK ISLAND, RI	No Commerce Reported	
GREEN HARBOR, MA	6136 shellfish	0
	Total Tons(x1000)	0
GREENWICH BAY, RI	No Commerce Reported	
GREENWICH HARBOR, CT	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	6
	Total Tons(x1000)	6

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
HARBOR OF REFUGE, NANTUCKET, MA	2211 gasoline	11
	2330 distillate fuel oil	11
	4331 sand & gravel	14
	7110 machinery (not elec)	0
	7400 manufac. wood prod.	1
	Total Tons(x1000)	38
HARBOR OF REFUGE, POINT JUDITH AND POINT JUDITH POND, RI	6136 shellfish	1
	7900 manufac. prod. nec	5
	Total Tons(x1000)	7
HARRASEEKET RIVER, ME	No Commerce Reported	
HAY (WEST) HARBOR, NY	7900 manufac. prod. nec	2
	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	167
	4331 sand & gravel	2
	Total Tons(x1000)	169
	Total Ton-miles(x1000)	846
HYANNIS HARBOR, MA	No Commerce Reported	
IPSWICH RIVER, MA	No Commerce Reported	
ISLE AU HAUT THOROUGHFARE, ME	2211 gasoline	0
	2221 kerosene	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
ISLE OF SHOALS HARBOR, ME AND NH	No Commerce Reported	
JOSIAS RIVER, ME	No Commerce Reported	
KENNEBEC RIVER, ME	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	2
KENNEBUNK RIVER, ME	No Commerce Reported	
LAGOON POND, MARTHA'S VINEYARD, MA	No Commerce Reported	
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	

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
MANCHESTER HARBOR, MA	No Commerce Reported	
MARBLEHEAD HARBOR, MA	No Commerce Reported	
MATINICUS HARBOR, ME	2211 gasoline 2221 kerosene 2330 distillate fuel oil	0 0 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	
NEW HARBOR, ME	No Commerce Reported	
NEWBURYPORT HARBOR, MA	No Commerce Reported	
NEWPORT HARBOR, RI	2211 gasoline 3220 alcohols	34 7
	Total Tons(x1000) Total Ton-miles(x1000)	41 41
NIANTIC BAY AND HARBOR, CT	6887 groceries	0
	Total Tons(x1000)	0
NORTHEAST HARBOR, ME	4331 sand & gravel	9
	Total Tons(x1000)	9
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)	7120 electrical machinery	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 1
PROVINCETOWN HARBOR, MA	No Commerce Reported	
RED BROOK HARBOR, BOURNE, MA	No Commerce Reported	

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
ROCKLAND HARBOR, ME	2211 gasoline	2
	2221 kerosene	0
	2330 distillate fuel oil	2
	4189 lumber	0
	5220 cement & concrete	132
	6134 fish (not shellfish)	4
	6136 shellfish	0
	9900 unknown or nec	0
	Total Tons(x1000)	141
ROCKPORT HARBOR, MA	No Commerce Reported	
ROCKPORT HARBOR, ME	No Commerce Reported	
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	No Commerce Reported	
SOUTH BRISTOL HARBOR, ME	No Commerce Reported	
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	0
	2330 distillate fuel oil	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	0
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	
VINEYARD HAVEN HARBOR, MA	2211 gasoline	13
	2330 distillate fuel oil	13
	4331 sand & gravel	75
	4338 soil & fill dirt	5
	4900 non-metal. min. nec	1

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
VINEYARD HAVEN HARBOR, MA - continued	5480 fab. metal products 7110 machinery (not elec) 7400 manufac. wood prod.	0 0 1
	Total Tons(x1000)	108
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	No Commerce Reported	
WOODS HOLE CHANNEL, MA	2211 gasoline	13
	2330 distillate fuel oil	13
	4331 sand & gravel	89
	4338 soil & fill dirt	5
	4900 non-metal. min. nec	1
	5480 fab. metal products	0
	7110 machinery (not elec)	0
	7400 manufac. wood prod.	3
	Total Tons(x1000)	123
	Total Ton-miles(x1000)	123
YORK HARBOR, ME	No Commerce Reported	

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
1990	1,153	1993	1,115	1996	1,117	1999	1,210
1991	1,198	1994	1,177	1997	1,008		
1992	1,194	1995	1,238	1998	1,192		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic		
		Coastwise Receipts	Internal	
			Inbound Upbound	Outbound Downbnd
Total, all commodities	1,210	739	446	25
Total petroleum and petroleum products	409	---	409	---
Subtotal petroleum products	409	---	409	---
2211 gasoline	302	---	302	---
2330 distillate fuel oil	107	---	107	---
Total crude materials, inedible except fuels	802	739	38	25
Subtotal forest products, wood and chips	0	---	0	0
4170 wood in the rough	0	---	0	0
Subtotal soil, sand, gravel, rock and stone	771	739	32	---
4331 sand & gravel	771	739	32	---
Subtotal iron ore and scrap	30	---	5	25
4420 iron & steel scrap	30	---	5	25
Ton-miles (x1000)	5,365	3,092	2,174	100
Tons All Traffic (x1000)	1,210			
Ton-miles All Traffic (x1000)	5,365			

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
1990	1,753	1993	1,825	1996	1,720	1999	2,243
1991	1,689	1994	1,832	1997	2,027		
1992	1,958	1995	1,801	1998	2,264		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic		
		Coastwise Receipts	Internal	
			Inbound Upbound	Outbound Downbnd
Total, all commodities	2,243	110	1,473	660
Total petroleum and petroleum products	144	---	144	---
Subtotal petroleum products	144	---	144	---
2330 distillate fuel oil	126	---	126	---
2340 residual fuel oil	18	---	18	---
Total crude materials, inedible except fuels	1,250	99	1,151	---
Subtotal soil, sand, gravel, rock and stone	1,250	99	1,151	---
4331 sand & gravel	1,250	99	1,151	---
Total primary manufactured goods	190	11	179	---
Subtotal lime, cement and glass	190	11	179	---
5220 cement & concrete	190	11	179	---
Total waste and scrap nec	660	---	---	660
8900 waste and scrap nec	660	---	---	660
Ton-miles (x1000)	5,685	319	4,047	1,320
Tons All Traffic (x1000)	2,243			
Ton-miles All Traffic (x1000)	5,685			

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
1990	16,112	1993	15,513	1996	15,285	1999	17,146
1991	15,689	1994	14,944	1997	16,962		
1992	15,149	1995	14,356	1998	17,726		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic		
		Imports	Imports	Total	Internal	
					Coastwise	Inbound
Total, all commodities	467	33	6	428	404	24
Total petroleum and petroleum products	24	---	---	24	---	24
Subtotal petroleum products	24	---	---	24	---	24
2330 distillate fuel oil	24	---	---	24	---	24
Total crude materials, inedible except fuels	6	---	6	---	---	---
Subtotal forest products, wood and chips	6	---	6	---	---	---
4189 lumber	6	---	6	---	---	---
Total food and farm products	437	33	---	404	404	---
Subtotal other agricultural products	437	---	33	404	404	---
6861 sugar	437	33	---	404	404	---
Ton-miles (x1000)	1,893	131	25	193,663	1,616	121

Tons All Traffic (x1000) 17,146
Ton-miles All Traffic (x1000) 218,714

*Does not include 16,679 (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
1990	19,687	1993	17,302	1996	17,226	1999	18,082
1991	19,119	1994	16,346	1997	18,302		
1992	16,616	1995	15,586	1998	18,853		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic		
		Imports*	Exports*	Total	Internal	
					Upbound	Downbnd
Total, all commodities	936	42	12	883	296	586
Total petroleum and petroleum products	296	---	0	296	296	0
Subtotal petroleum products	296	---	0	296	296	0
2211 gasoline	7	---	---	7	7	---
2221 kerosene	21	---	---	21	21	---
2330 distillate fuel oil	106	---	---	106	106	---
2340 residual fuel oil	162	---	---	162	162	---
2350 lube oil & greases	0	---	0	0	0	---
2990 petro. products nec	0	---	---	0	---	0
Total chemicals and related products	1	0	1	1	0	0
Subtotal other chemicals and related products	1	0	1	1	0	0
3220 alcohols	0	---	0	---	---	---
3230 carboxylic acids	0	0	---	---	---	---
3260 organic comp. nec	0	0	---	---	---	---
3276 metallic salts	0	0	0	---	---	---
3282 pigments & paints	0	---	0	---	---	---
3283 coloring mat. nec	0	0	0	---	---	---
3284 medicines	0	0	0	---	---	---
3285 perfumes & cleansers	0	0	0	---	---	---
3286 plastics	0	0	0	---	---	---
3292 starches, gluten, glue	0	0	---	---	---	---

HUDSON RIVER CHANNEL, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic		
		Imports*	Exports*	Total	Internal	
					Upbound	Outbound
3297 chemical additives	0	—	0	—	—	—
3299 chem. products nec	1	—	0	1	0	0
Total crude materials, inedible except fuels	9	0	2	7	0	7
Subtotal forest products, wood and chips	0	0	0	0	0	—
4170 wood in the rough	0	—	0	0	0	—
4189 lumber	0	—	0	—	—	—
4190 forest products nec	0	0	—	—	—	—
Subtotal pulp and waste paper	2	—	2	—	—	—
4225 pulp & waste paper	2	—	2	—	—	—
Subtotal iron ore and scrap	7	—	—	7	—	7
4420 iron & steel scrap	7	—	—	7	—	7
Subtotal other non-metal. min.	0	—	0	—	—	—
4900 non-metal. min. nec	0	—	0	—	—	—
Total primary manufactured goods	36	36	0	—	—	—
Subtotal paper products	0	0	0	—	—	—
5120 paper & paperboard	0	—	0	—	—	—
5190 paper products nec	0	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	35	35	0	—	—	—
5330 i&s plates & sheets	0	—	0	—	—	—
5360 i&s bars & shapes	0	0	0	—	—	—
5370 i&s pipe & tube	0	0	—	—	—	—
5390 primary i&s nec	35	35	—	—	—	—
Subtotal primary non-ferrous metal products	1	1	0	—	—	—
5480 fab. metal products	1	1	0	—	—	—
Subtotal primary wood products	0	—	0	—	—	—
5540 primary wood prod.	0	—	0	—	—	—
Total food and farm products	8	1	7	—	—	—
Subtotal fish	0	0	0	—	—	—
6134 fish (not shellfish)	0	0	0	—	—	—
6136 shellfish	0	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	0	0	0	—	—	—
6747 grain mill products	0	0	0	—	—	—
6782 animal feed, prep.	0	—	0	—	—	—
Subtotal other agricultural products	7	1	6	—	—	—
6811 meat, fresh, frozen	0	—	0	—	—	—
6817 meat, prepared	0	—	0	—	—	—
6822 dairy products	0	—	0	—	—	—
6835 fish, prepared	0	0	—	—	—	—
6838 tallow, animal oils	1	—	1	—	—	—
6839 animals & prod. nec	0	0	—	—	—	—
6857 fruit & nuts nec	0	0	0	—	—	—
6858 fruit juices	0	0	0	—	—	—
6872 cocoa beans	1	1	—	—	—	—
6885 alcoholic beverages	0	0	0	—	—	—
6889 food products nec	5	0	4	—	—	—
6893 cotton	0	—	0	—	—	—
6894 natural fibers nec	0	0	—	—	—	—
6899 farm products nec	0	—	0	—	—	—
Total all manufactured equipment, machinery and products	5	4	1	—	—	—
7110 machinery (not elec)	3	2	0	—	—	—
7120 electrical machinery	0	0	0	—	—	—
7210 vehicles & parts	0	0	0	—	—	—
7400 manufac. wood prod.	0	0	0	—	—	—
7500 textile products	1	0	0	—	—	—
7600 rubber & plastic pr.	0	0	0	—	—	—
7900 manufac. prod. nec	1	1	0	—	—	—

HUDSON RIVER CHANNEL, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic		
		Imports*	Exports*	Total	Internal	
					Upbound	Outbound Downbnd
Total waste and scrap nec	579	---	---	579	---	579
8900 waste and scrap nec	579	---	---	579	---	579
Total unknown or not elsewhere classified	0	0	0	---	---	---
9900 unknown or nec	0	0	0	---	---	---
Ton-miles (x1000)	6,921	166	54	204,193	2,173	4,527
Tons All Traffic (x1000)	18,082					
Ton-miles All Traffic (x1000)	229,816					

*Does not include 17,146 (x1000) tons of through traffic

*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 1 (x1000) tons of foreign outbound 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
1990	36,595	1993	29,099	1996	31,409	1999	33,309
1991	35,038	1994	29,610	1997	33,603		
1992	28,778	1995	29,017	1998	35,464		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total*	Foreign		Canadian Imports
		Imports*	Exports*	
Total, all commodities	1,212	577	15	620
Total coal	39	39	---	---
1100 coal lignite	39	39	---	---
Total petroleum and petroleum products	134	118	0	16
Subtotal petroleum products	134	118	0	16
2330 distillate fuel oil	28	12	---	16
2340 residual fuel oil	60	60	---	---
2350 lube oil & greases	0	---	0	---
2429 naphtha & solvents	43	43	---	---
2430 asphalt, tar & pitch	3	3	---	---
Total chemicals and related products	1	0	0	---
Subtotal other chemicals and related products	1	0	0	---
3230 carboxylic acids	0	0	0	---
3240 nitrogen func. comp.	0	0	---	---
3260 organic comp. nec	0	0	---	---
3279 inorganic chem. nec	0	---	0	---
3284 medicines	0	---	0	---
3285 perfumes & cleansers	0	---	0	---
3286 plastics	0	---	0	---
3291 pesticides	0	---	0	---
3292 starches, gluten, glue	0	0	0	---
3293 explosives	0	---	0	---
3297 chemical additives	0	---	0	---
3298 wood & resin chem.	0	---	0	---
3299 chem. products nec	0	---	0	---
Total crude materials, inedible except fuels	604	0	0	604
Subtotal forest products, wood and chips	0	0	0	---
4189 lumber	0	0	0	---
Subtotal pulp and waste paper	0	---	0	---
4225 pulp & waste paper	0	---	0	---
Subtotal soil, sand, gravel, rock and stone	604	0	---	604
4310 building stone	0	0	---	---
4323 gypsum	604	---	---	604
Subtotal non-ferrous ores and scrap	0	0	---	---
4650 aluminum ore	0	0	---	---
Subtotal sulphur, clay and salt	0	0	---	---
4782 clay & refrac. mat.	0	0	---	---

EAST RIVER, NY (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian
		Imports*	Exports*	Imports
Total primary manufactured goods	339	339	0	---
Subtotal paper products	0	---	0	---
5120 paper & paperboard	0	---	0	---
5190 paper products nec	0	---	0	---
Subtotal lime, cement and glass	338	338	0	---
5220 cement & concrete	338	338	---	---
5240 glass & glass prod.	0	0	---	---
5290 misc. mineral prod.	0	0	0	---
Subtotal primary iron and steel products	1	0	0	---
5330 i&s plates & sheets	0	0	---	---
5370 i&s pipe & tube	1	0	0	---
5390 primary i&s nec	0	0	---	---
Subtotal primary non-ferrous metal products	0	---	0	---
5422 aluminum	0	---	0	---
5480 fab. metal products	0	0	0	---
Total food and farm products	91	78	13	---
Subtotal grain	0	0	---	---
6442 rice	0	0	---	---
Subtotal vegetable products	0	0	---	---
6654 vegetables & prod.	0	0	---	---
Subtotal processed grain and animal feed	1	---	1	---
6747 grain mill products	0	---	0	---
6782 animal feed, prep.	1	---	1	---
Subtotal other agricultural products	90	78	12	---
6811 meat, fresh, frozen	0	---	0	---
6838 tallow, animal oils	6	---	6	---
6839 animals & prod. nec	0	---	0	---
6857 fruit & nuts nec	0	0	---	---
6858 fruit juices	0	0	---	---
6861 sugar	77	77	---	---
6889 food products nec	6	0	6	---
6891 tobacco & products	0	---	0	---
6899 farm products nec	0	---	0	---
Total all manufactured equipment, machinery and products	4	3	1	---
7110 machinery (not elec)	2	2	0	---
7120 electrical machinery	0	0	0	---
7210 vehicles & parts	1	1	0	---
7300 ordnance & access.	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	---
Total unknown or not elsewhere classified	0	0	0	---
9900 unknown or nec	0	0	0	---
Ton-miles (x1000) Foreign & Canadian	8,398	2,756	59	5,582

Commodity	Total*	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound	Outbound		Intra	
				Upbound	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	3,898	1,467	199	1,777	3	219	174	59
Total petroleum and petroleum products	3,608	1,336	199	1,777	3	60	174	59
Subtotal petroleum products	3,608	1,336	199	1,777	3	60	174	59
2211 gasoline	81	1	13	67	---	---	---	---
2221 kerosene	22	4	---	18	---	---	---	---
2330 distillate fuel oil	848	234	---	598	3	14	---	---
2340 residual fuel oil	2,398	912	187	1,021	---	46	174	59
2350 lube oil & greases	0	---	---	0	---	---	---	---
2430 asphalt, tar & pitch	259	186	---	73	---	---	---	---
Total crude materials, inedible except fuels	0	---	---	0	---	---	---	---
Subtotal forest products, wood and chips	0	---	---	0	---	---	---	---
4170 wood in the rough	0	---	---	0	---	---	---	---
Total food and farm products	131	131	---	---	---	---	---	---
Subtotal other agricultural products	131	131	---	---	---	---	---	---
6861 sugar	50	50	---	---	---	---	---	---
6889 food products nec	81	81	---	---	---	---	---	---

EAST RIVER, NY (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound Upbound	Outbound Upbound	Downbnd	Intra Upbound	Downbnd
Total waste and scrap nec	159	---	---	---	---	159	---	---
8900 waste and scrap nec	159	---	---	---	---	159	---	---
Ton-miles (x1000) Domestic	29,649	12,218	1,357	14,111	9	1,722	174	59
Tons All Traffic (x1000)		33,309						
Ton-miles All Traffic (x1000)		489,891						

*Does not include 28,199 (x1000) tons of through traffic

*Includes 43 (x1000) tons of foreign inbound in-transits; 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
1990	1,913	1993	1,553	1996	1,522	1999	1,302
1991	1,777	1994	1,483	1997	1,422		
1992	1,283	1995	1,487	1998	1,471		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Total, all commodities	1,302	11	1	542	745	3
Total petroleum and petroleum products	371	---	1	370	---	---
Subtotal petroleum products	371	---	1	370	---	---
2211 gasoline	90	---	---	90	---	---
2221 kerosene	2	---	---	2	---	---
2330 distillate fuel oil	256	---	---	256	---	---
2340 residual fuel oil	21	---	---	21	---	---
2350 lube oil & greases	1	---	1	---	---	---
Total crude materials, inedible except fuels	457	11	---	172	271	3
Subtotal soil, sand, gravel, rock and stone	152	1	---	151	---	---
4331 sand & gravel	152	1	---	151	---	---
Subtotal iron ore and scrap	305	10	---	21	271	3
4420 iron & steel scrap	305	10	---	21	271	3
Total waste and scrap nec	474	---	---	---	474	---
8900 waste and scrap nec	474	---	---	---	474	---
Ton-miles (x1000)	2,235	12	2	1,462	755	3
Tons All Traffic (x1000)	1,302					
Ton-miles All Traffic (x1000)	2,235					

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
1990	36,461	1993	26,993	1996	29,605	1999	32,229
1991	31,266	1994	27,022	1997	32,160		
1992	26,112	1995	27,299	1998	33,747		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian		Domestic		
		Imports*	Exports*	Imports*	Exports	Total	Internal	
							Inbound Upbound	Outbound Downbnd
Total, all commodities	1,916	1,285	244	109	1	277	149	128
Total coal	0	0	—	—	—	—	—	—
1100 coal lignite	0	0	—	—	—	—	—	—
Total petroleum and petroleum products	896	733	2	103	0	57	57	—
Subtotal crude petroleum	230	230	—	—	0	—	—	—
2100 crude petroleum	230	230	—	—	0	—	—	—
Subtotal petroleum products	666	504	2	103	—	57	57	—
2211 gasoline	74	74	—	—	—	—	—	—
2221 kerosene	61	61	—	—	—	—	—	—
2330 distillate fuel oil	149	149	0	—	—	0	0	—
2340 residual fuel oil	268	159	0	53	—	56	56	—
2350 lube oil & greases	2	0	2	—	—	1	1	—
2410 petro. jelly & waxes	0	0	0	—	—	—	—	—
2429 naphtha & solvents	80	30	0	50	—	—	—	—
2430 asphalt, tar & pitch	0	—	0	—	—	—	—	—
2540 petroleum coke	30	30	—	—	—	—	—	—
2640 liquid natural gas	0	—	0	—	—	—	—	—
Total chemicals and related products	68	30	37	—	0	—	—	—
Subtotal fertilizers	1	0	1	—	—	—	—	—
3110 nitrogenous fert.	0	0	0	—	—	—	—	—
3130 potassic fert.	0	0	—	—	—	—	—	—
3190 fert. & mixes nec	0	—	0	—	—	—	—	—
Subtotal other chemicals and related products	67	30	37	—	0	—	—	—
3211 acyclic hydrocarbons	0	—	0	—	—	—	—	—
3212 benzene & toluene	0	0	—	—	—	—	—	—
3219 other hydrocarbons	1	1	0	—	—	—	—	—
3220 alcohols	5	1	4	—	0	—	—	—
3230 carboxylic acids	7	5	2	—	—	—	—	—
3240 nitrogen func. comp.	4	2	2	—	—	—	—	—
3250 organo - inorg. comp.	2	1	1	—	—	—	—	—
3260 organic comp. nec	1	1	0	—	—	—	—	—
3274 sodium hydroxide	0	0	0	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	5	4	1	—	—	—	—	—
3276 metallic salts	3	2	1	—	—	—	—	—
3279 inorganic chem. nec	0	0	0	—	—	—	—	—
3281 radioactive material	0	0	0	—	—	—	—	—
3282 pigments & paints	4	2	2	—	—	—	—	—
3283 coloring mat. nec	1	1	0	—	—	—	—	—
3284 medicines	1	1	0	—	—	—	—	—
3285 perfumes & cleansers	7	1	6	—	—	—	—	—
3286 plastics	17	6	11	—	—	—	—	—
3291 pesticides	0	0	0	—	—	—	—	—
3292 starches, gluten, glue	1	1	1	—	—	—	—	—
3293 explosives	0	—	0	—	—	—	—	—
3297 chemical additives	2	—	2	—	—	—	—	—
3298 wood & resin chem.	0	0	0	—	—	—	—	—
3299 chem. products nec	2	0	2	—	—	—	—	—
Total crude materials, inedible except fuels	129	69	54	6	0	—	—	—
Subtotal forest products, wood and chips	20	11	3	6	0	—	—	—
4110 rubber & gums	2	2	0	—	—	—	—	—
4150 fuel wood	0	0	—	—	0	—	—	—
4170 wood in the rough	0	—	0	—	—	—	—	—
4189 lumber	13	4	3	6	—	—	—	—
4190 forest products nec	4	4	0	—	—	—	—	—
Subtotal pulp and waste paper	33	—	33	—	—	—	—	—
4225 pulp & waste paper	33	—	33	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	15	1	14	—	—	—	—	—
4310 building stone	1	1	—	—	—	—	—	—
4322 limestone	0	0	0	—	—	—	—	—

BUTTERMILK CHANNEL, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian		Domestic		
		Imports*	Exports*	Imports*	Exports	Total	Internal	
							Inbound Upbound	Outbound Downbnd
4323 gypsum	0	—	0	—	—	—	—	—
4331 sand & gravel	14	0	13	—	—	—	—	—
Subtotal iron ore and scrap	0	0	0	—	—	—	—	—
4420 iron & steel scrap	0	0	0	—	—	—	—	—
Subtotal non-ferrous ores and scrap	3	1	2	—	—	—	—	—
4650 aluminum ore	0	0	0	—	—	—	—	—
4680 non-ferrous scrap	2	0	2	—	—	—	—	—
4690 non-ferrous ores nec	0	0	—	—	—	—	—	—
Subtotal sulphur, clay and salt	1	0	0	—	—	—	—	—
4741 sulphur, (dry)	0	—	0	—	—	—	—	—
4782 clay & refrac. mat.	1	0	0	—	—	—	—	—
Subtotal other non-metal. min.	58	56	2	—	—	—	—	—
4900 non-metal. min. nec	58	56	2	—	—	—	—	—
Total primary manufactured goods	185	153	32	0	0	—	—	—
Subtotal paper products	24	3	21	—	—	—	—	—
5110 newsprint	0	—	0	—	—	—	—	—
5120 paper & paperboard	19	0	19	—	—	—	—	—
5190 paper products nec	5	2	2	—	—	—	—	—
Subtotal lime, cement and glass	125	123	3	0	—	—	—	—
5220 cement & concrete	46	46	0	—	—	—	—	—
5240 glass & glass prod.	2	1	1	—	—	—	—	—
5290 misc. mineral prod.	78	76	2	0	—	—	—	—
Subtotal primary iron and steel products	12	9	3	—	—	—	—	—
5312 pig iron	0	—	0	—	—	—	—	—
5315 ferro alloys	2	2	—	—	—	—	—	—
5320 i&s primary forms	0	0	0	—	—	—	—	—
5330 i&s plates & sheets	5	2	2	—	—	—	—	—
5360 i&s bars & shapes	1	1	0	—	—	—	—	—
5370 i&s pipe & tube	2	2	0	—	—	—	—	—
5390 primary i&s nec	1	1	0	—	—	—	—	—
Subtotal primary non-ferrous metal products	22	17	5	0	0	—	—	—
5421 copper	2	2	0	—	—	—	—	—
5422 aluminum	2	0	2	—	—	—	—	—
5429 smelted prod. nec	1	0	0	—	—	—	—	—
5480 fab. metal products	17	14	3	0	0	—	—	—
Subtotal primary wood products	2	2	0	—	—	—	—	—
5540 primary wood prod.	2	2	0	—	—	—	—	—
Total food and farm products	311	228	45	0	1	37	29	8
Subtotal fish	2	1	0	—	0	—	—	—
6134 fish (not shellfish)	1	1	0	—	0	—	—	—
6136 shellfish	1	0	—	—	0	—	—	—
Subtotal grain	3	3	0	—	—	—	—	—
6241 wheat	0	0	—	—	—	—	—	—
6344 corn	0	0	0	—	—	—	—	—
6442 rice	3	3	0	—	—	—	—	—
6445 oats	0	—	0	—	—	—	—	—
Subtotal oilseeds	13	13	0	—	—	—	—	—
6521 peanuts	3	3	—	—	—	—	—	—
6590 oilseeds nec	10	10	0	—	—	—	—	—
Subtotal vegetable products	22	11	11	—	—	—	—	—
6653 vegetable oils	3	3	0	—	—	—	—	—
6654 vegetables & prod.	19	9	11	—	—	—	—	—
Subtotal processed grain and animal feed	12	4	7	—	—	—	—	—
6746 wheat flour	0	0	0	—	—	—	—	—
6747 grain mill products	5	3	2	—	—	—	—	—
6781 hay & fodder	0	—	0	—	—	—	—	—
6782 animal feed, prep.	7	2	5	—	—	—	—	—
Subtotal other agricultural products	259	194	27	0	0	37	29	8
6811 meat, fresh, frozen	7	2	5	—	—	—	—	—
6817 meat, prepared	1	1	0	—	—	—	—	—
6822 dairy products	5	3	2	—	—	—	—	—
6835 fish, prepared	6	6	0	—	—	—	—	—
6838 tallow, animal oils	0	0	0	—	—	—	—	—
6839 animals & prod. nec	2	1	1	—	0	—	—	—
6857 fruit & nuts nec	3	3	0	—	—	—	—	—
6858 fruit juices	14	14	0	0	—	—	—	—
6861 sugar	4	4	0	—	—	—	—	—
6865 molasses	0	0	—	—	—	—	—	—
6871 coffee	7	7	0	—	—	—	—	—
6872 cocoa beans	154	116	1	—	—	37	29	8
6885 alcoholic beverages	4	4	0	—	—	—	—	—

BUTTERMILK CHANNEL, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian		Domestic		
		Imports*	Exports*	Imports*	Exports	Total	Internal	
							Upbound	Downbnd
6888 water & ice	8	8	0	0	---	---	---	
6889 food products nec	34	21	12	---	---	---	---	
6891 tobacco & products	2	1	2	---	---	---	---	
6893 cotton	1	0	1	---	---	---	---	
6894 natural fibers nec	0	0	---	---	---	---	---	
6899 farm products nec	6	4	2	---	---	---	---	
Total all manufactured equipment, machinery and products	313	67	63	---	0	183	63	120
7110 machinery (not elec)	19	8	11	---	0	0	---	
7120 electrical machinery	9	3	7	---	0	---	---	
7210 vehicles & parts	12	6	7	---	---	---	---	
7220 aircraft & parts	0	---	0	---	---	---	---	
7230 ships & boats	0	0	0	---	---	---	---	
7300 ordnance & access.	0	0	0	---	---	---	---	
7400 manufac. wood prod.	2	2	0	---	---	---	---	
7500 textile products	44	15	29	---	---	---	---	
7600 rubber & plastic pr.	13	10	2	---	---	---	---	
7800 empty containers	3	---	---	---	---	3	3	0
7900 manufac. prod. nec	211	24	7	---	0	180	60	120
Total unknown or not elsewhere classified	14	4	10	---	---	---	---	---
9900 unknown or nec	14	4	10	---	---	---	---	---
Ton-miles (x1000)	3,831	2,569	487	218	2	87,859	297	257

Tons All Traffic (x1000) **32,229**
Ton-miles All Traffic (x1000) **94,771**

*Does not include 30,313 (x1000) tons of through traffic

*Includes 60 (x1000) tons of foreign inbound in-transits; Includes 73 (x1000) tons of foreign outbound in-transits; Includes 50 (x1000) tons of Canadian inbound 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
1990	3,541	1993	2,853	1996	3,656	1999	1,930
1991	3,463	1994	3,069	1997	2,809		
1992	2,977	1995	2,678	1998	2,419		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic		
		Imports*	Exports*	Total	Internal	
					Upbound	Downbnd
Total, all commodities	361	116	4	241	215	26
Total petroleum and petroleum products	110	102	0	8	8	---
Subtotal petroleum products	110	102	0	8	8	---
2330 distillate fuel oil	3	---	---	3	3	---
2340 residual fuel oil	107	102	---	5	5	---
2350 lube oil & greases	0	---	0	0	0	---
Total chemicals and related products	2	0	1	---	---	---
Subtotal other chemicals and related products	2	0	1	---	---	---
3219 other hydrocarbons	0	0	0	---	---	---
3220 alcohols	0	---	0	---	---	---
3230 carboxylic acids	0	0	---	---	---	---
3240 nitrogen func. comp.	0	0	---	---	---	---
3250 organo - inorg. comp.	0	0	0	---	---	---
3275 inorg. elem.,oxides, & halogen salts	0	0	---	---	---	---
3276 metallic salts	0	0	0	---	---	---
3279 inorganic chem. nec	0	---	0	---	---	---
3282 pigments & paints	0	---	0	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---
3284 medicines	0	---	0	---	---	---
3285 perfumes & cleansers	0	0	0	---	---	---
3286 plastics	1	0	1	---	---	---

BAY RIDGE AND RED HOOK CHANNELS, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic		
		Imports*	Exports*	Total	Internal	
					Inbound Upbound	Outbound Downbnd
3291 pesticides	0	—	0	—	—	—
3292 starches, gluten, glue	0	0	—	—	—	—
3297 chemical additives	0	—	0	—	—	—
3298 wood & resin chem.	0	—	0	—	—	—
3299 chem. products nec	0	—	0	—	—	—
Total crude materials, inedible except fuels	4	0	0	4	—	4
Subtotal forest products, wood and chips	0	0	—	—	—	—
4170 wood in the rough	0	0	—	—	—	—
4189 lumber	0	0	—	—	—	—
Subtotal pulp and waste paper	0	—	0	—	—	—
4225 pulp & waste paper	0	—	0	—	—	—
Subtotal iron ore and scrap	4	—	—	4	—	4
4420 iron & steel scrap	4	—	—	4	—	4
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	3	2	1	—	—	—
Subtotal paper products	1	0	1	—	—	—
5120 paper & paperboard	0	0	0	—	—	—
5190 paper products nec	0	0	0	—	—	—
Subtotal lime, cement and glass	2	2	0	—	—	—
5240 glass & glass prod.	0	0	—	—	—	—
5290 misc. mineral prod.	2	1	0	—	—	—
Subtotal primary iron and steel products	0	0	0	—	—	—
5315 ferro alloys	0	0	—	—	—	—
5370 i&s pipe & tube	0	—	0	—	—	—
5390 primary i&s nec	0	0	—	—	—	—
Subtotal primary non-ferrous metal products	1	0	0	—	—	—
5421 copper	0	0	—	—	—	—
5422 aluminum	0	—	0	—	—	—
5429 smelted prod. nec	0	0	—	—	—	—
5480 fab. metal products	0	0	0	—	—	—
Subtotal primary wood products	0	0	—	—	—	—
5540 primary wood prod.	0	0	—	—	—	—
Total food and farm products	19	10	1	9	5	3
Subtotal fish	0	0	—	—	—	—
6134 fish (not shellfish)	0	0	—	—	—	—
6136 shellfish	0	0	—	—	—	—
Subtotal oilseeds	0	0	0	—	—	—
6521 peanuts	0	0	—	—	—	—
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	0	—	0	—	—	—
6782 animal feed, prep.	0	—	0	—	—	—
Subtotal other agricultural products	18	10	0	9	5	3
6811 meat, fresh, frozen	0	0	0	—	—	—
6817 meat, prepared	0	0	—	—	—	—
6822 dairy products	0	0	0	—	—	—
6835 fish, prepared	0	0	—	—	—	—
6839 animals & prod. nec	0	0	0	—	—	—
6857 fruit & nuts nec	1	1	—	—	—	—
6858 fruit juices	0	0	—	—	—	—
6861 sugar	0	0	—	—	—	—
6871 coffee	1	1	—	—	—	—
6872 cocoa beans	14	6	—	9	5	3
6885 alcoholic beverages	0	0	—	—	—	—
6889 food products nec	1	1	0	—	—	—
6899 farm products nec	0	0	—	—	—	—
Total all manufactured equipment, machinery and products	222	2	1	220	202	18
7110 machinery (not elec)	1	0	0	—	—	—
7120 electrical machinery	0	0	0	—	—	—
7210 vehicles & parts	0	0	0	—	—	—
7220 aircraft & parts	0	—	0	—	—	—
7230 ships & boats	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	221	1	0	220	202	18

BAY RIDGE AND RED HOOK CHANNELS, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic		
		Imports*	Exports*	Total	Internal	
					Inbound Upbound	Outbound Downbnd
Total unknown or not elsewhere classified	0	0	0	---	---	---
9900 unknown or nec	0	0	0	---	---	---
Ton-miles (x1000)	941	232	9	5,407	623	77
Tons All Traffic (x1000)	1,930					
Ton-miles All Traffic (x1000)	5,647					

*Does not include 1,569 (x1000) tons of through traffic

*Includes 3 (x1000) tons of foreign inbound in-transits; Includes 2 (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
1990	2,421	1993	2,303	1996	2,649	1999	1,569
1991	2,195	1994	2,490	1997	2,293		
1992	2,175	1995	2,230	1998	2,114		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total*	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total, all commodities	1,137	235	55	716	132
Total petroleum and petroleum products	712	234	---	478	---
Subtotal petroleum products	712	234	---	478	---
2211 gasoline	4	---	---	4	---
2221 kerosene	5	---	---	5	---
2330 distillate fuel oil	393	12	---	381	---
2340 residual fuel oil	310	222	---	89	---
2350 lube oil & greases	0	---	---	0	---
Total crude materials, inedible except fuels	239	1	---	238	---
Subtotal soil, sand, gravel, rock and stone	239	1	---	238	---
4331 sand & gravel	239	1	---	238	---
Total primary manufactured goods	55	---	55	---	---
Subtotal lime, cement and glass	55	---	55	---	---
5220 cement & concrete	55	---	55	---	---
Total waste and scrap nec	132	---	---	---	132
8900 waste and scrap nec	132	---	---	---	132
Ton-miles (x1000)	1,137	235	55	716	132
Tons All Traffic (x1000)	1,569				
Ton-miles All Traffic (x1000)	1,569				

*Does not include 432 (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
1990	1,138	1993	266	1996	774	1999	465
1991	995	1994	493	1997	775		
1992	689	1995	634	1998	528		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal Through Downbnd
Total, all commodities	465	465
Total petroleum and petroleum products	333	333
Subtotal petroleum products	333	333
2211 gasoline	189	189
2330 distillate fuel oil	144	144
Total crude materials, inedible except fuels	132	132
Subtotal soil, sand, gravel, rock and stone	132	132
4331 sand & gravel	132	132
Ton-miles (x1000)	465	465
Tons All Traffic (x1000)	465	
Ton-miles All Traffic (x1000)	465	

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
1990	1,866	1993	954	1996	834	1999	632
1991	1,338	1994	934	1997	714		
1992	962	1995	827	1998	647		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Coastwise Through Upbound
Total, all commodities	632	632
Total petroleum and petroleum products	632	632
Subtotal petroleum products	632	632
2211 gasoline	326	326
2221 kerosene	21	21
2330 distillate fuel oil	264	264
2340 residual fuel oil	21	21
Ton-miles (x1000)	632	632
Tons All Traffic (x1000)	632	
Ton-miles All Traffic (x1000)	632	

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
1990	1,138	1993	601	1996	993	1999	664
1991	1,019	1994	781	1997	934		
1992	1,025	1995	789	1998	675		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Upbound
Total, all commodities	664		664
Total petroleum and petroleum products	381		381
Subtotal petroleum products	381		381
2211 gasoline	191		191
2330 distillate fuel oil	190		190
Total crude materials, inedible except fuels	283		283
Subtotal soil, sand, gravel, rock and stone	283		283
4331 sand & gravel	283		283
Ton-miles (x1000)	8,115		8,115

Tons All Traffic (x1000) **664**
 Ton-miles All Traffic (x1000) **8,115**

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
1990	4,542	1993	2,033	1996	2,348	1999	3,285
1991	3,773	1994	2,274	1997	2,409		
1992	2,520	1995	2,236	1998	2,311		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign Exports*	Domestic						
			Total	Coastwise		Internal			
				Receipts	Shipments	Inbound		Outbound	
						Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	3,285	30	3,255	1,782	675	333	2	261	203
Total petroleum and petroleum products	2,468	---	2,468	1,773	186	309	2	---	197
Subtotal petroleum products	2,468	---	2,468	1,773	186	309	2	---	197
2211 gasoline	395	---	395	158	144	63	---	---	30
2221 kerosene	430	---	430	422	6	2	---	---	---
2330 distillate fuel oil	866	---	866	569	32	168	2	---	96
2340 residual fuel oil	777	---	777	624	5	77	---	---	71
Total crude materials, inedible except fuels	816	29	787	9	488	23	---	261	6
Subtotal soil, sand, gravel, rock and stone	751	---	751	---	488	---	---	261	3
4331 sand & gravel	751	---	751	---	488	---	---	261	3
Subtotal iron ore and scrap	64	29	36	9	---	23	---	---	4
4420 iron & steel scrap	64	29	36	9	---	23	---	---	4

RARITAN RIVER, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign	Domestic						
		Exports*	Total	Coastwise		Internal			
			Receipts	Shipments	Inbound		Outbound		
				Upbound	Downbnd	Upbound	Downbnd		
Total all manufactured equipment, machinery and products	2	2	---	---	---	---	---	---	
7210 vehicles & parts	2	2	---	---	---	---	---	---	
Ton-miles (x1000)	6,319	91	6,228	5,337	186	449	0	0	255
Tons All Traffic (x1000)			3,285						
Ton-miles All Traffic (x1000)			6,319						

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

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
1990	113,015	1993	99,787	1996	115,137	1999	106,641
1991	103,795	1994	98,688	1997	117,364		
1992	92,575	1995	92,593	1998	121,546		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	31,852	27,091	2,268	2,374	119
Total coal	250	249	0	---	---
1100 coal lignite	250	249	0	---	---
Total petroleum and petroleum products	22,241	19,941	44	2,143	113
Subtotal crude petroleum	6,643	5,273	---	1,366	5
2100 crude petroleum	6,643	5,273	---	1,366	5
Subtotal petroleum products	15,598	14,668	44	777	109
2211 gasoline	3,218	2,992	2	225	---
2221 kerosene	112	90	---	22	---
2330 distillate fuel oil	4,495	4,317	0	178	---
2340 residual fuel oil	6,006	5,651	3	243	109
2350 lube oil & greases	35	1	33	---	---
2410 petro. jelly & waxes	8	7	2	---	---
2429 naphtha & solvents	1,605	1,507	1	97	---
2430 asphalt, tar & pitch	23	22	1	---	---
2540 petroleum coke	63	50	1	12	---
2640 liquid natural gas	32	31	1	---	---
Total chemicals and related products	1,237	846	389	1	2
Subtotal fertilizers	23	3	19	0	---
3110 nitrogenous fert.	2	2	0	---	---
3120 phosphatic fert.	0	0	0	---	---
3130 potassic fert.	1	1	0	---	---
3190 fert. & mixes nec	20	1	19	0	---
Subtotal other chemicals and related products	1,215	843	370	1	2
3211 acyclic hydrocarbons	15	13	1	---	---
3212 benzene & toluene	0	0	---	---	---
3219 other hydrocarbons	31	19	13	---	---
3220 alcohols	85	73	11	---	---
3230 carboxylic acids	100	75	25	0	0
3240 nitrogen func. comp.	33	23	10	0	---
3250 organo - inorg. comp.	24	18	6	0	---
3260 organic comp. nec	237	226	11	0	---
3272 sulphuric acid	1	---	1	---	---
3273 ammonia	8	0	8	---	---
3274 sodium hydroxide	17	15	2	---	---
3275 inorg. elem., oxides, & halogen salts	56	41	14	---	1
3276 metallic salts	54	41	13	---	0
3279 inorganic chem. nec	5	4	1	---	---
3281 radioactive material	3	2	1	---	---
3282 pigments & paints	40	20	19	0	---
3283 coloring mat. nec	16	10	7	---	---
3284 medicines	18	9	8	---	0
3285 perfumes & cleansers	84	44	40	0	---

UPPER BAY, NEW YORK HARBOR, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
3286 plastics	249	139	110	0	0
3291 pesticides	7	2	4	—	—
3292 starches, gluten, glue	37	30	7	—	—
3293 explosives	1	1	0	—	—
3297 chemical additives	40	11	29	0	—
3298 wood & resin chem.	7	2	5	—	—
3299 chem. products nec	47	24	23	—	—
Total crude materials, inedible except fuels	1,448	417	819	211	0
Subtotal forest products, wood and chips	221	84	125	11	—
4110 rubber & gums	3	2	0	—	—
4150 fuel wood	1	1	0	0	—
4161 wood chips	6	1	4	—	—
4170 wood in the rough	18	1	17	—	—
4189 lumber	143	35	97	11	—
4190 forest products nec	50	43	7	0	—
Subtotal pulp and waste paper	397	3	394	—	—
4225 pulp & waste paper	397	3	394	—	—
Subtotal soil, sand, gravel, rock and stone	334	125	20	189	—
4310 building stone	3	3	0	—	—
4322 limestone	0	0	—	—	—
4323 gypsum	138	120	2	16	—
4327 phosphate rock	3	0	3	—	—
4331 sand & gravel	189	1	15	173	—
Subtotal iron ore and scrap	231	0	231	—	—
4410 iron ore	1	0	1	—	—
4420 iron & steel scrap	230	0	230	—	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	48	26	22	—	0
4630 copper ore	1	1	0	—	—
4650 aluminum ore	14	12	2	—	0
4670 manganese ore	1	0	1	—	—
4680 non-ferrous scrap	30	12	18	—	—
4690 non-ferrous ores nec	2	1	1	—	—
Subtotal sulphur, clay and salt	40	29	11	—	—
4741 sulphur, (dry)	0	—	0	—	—
4782 clay & refrac. mat.	40	29	11	—	—
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	177	150	16	11	—
4900 non-metal. min. nec	177	150	16	11	—
Total primary manufactured goods	2,040	1,743	296	1	0
Subtotal paper products	320	198	121	0	0
5110 newsprint	13	3	9	0	—
5120 paper & paperboard	250	160	90	0	0
5190 paper products nec	57	35	22	0	—
Subtotal lime, cement and glass	1,002	959	42	0	0
5220 cement & concrete	488	472	16	—	—
5240 glass & glass prod.	115	103	11	0	—
5290 misc. mineral prod.	399	384	15	0	0
Subtotal primary iron and steel products	278	240	39	0	0
5312 pig iron	97	93	5	—	—
5315 ferro alloys	5	5	1	—	—
5320 i&s primary forms	6	4	1	—	—
5330 i&s plates & sheets	60	38	22	0	—
5360 i&s bars & shapes	36	33	3	—	—
5370 i&s pipe & tube	25	19	6	0	0
5390 primary i&s nec	50	48	1	—	—
Subtotal primary non-ferrous metal products	361	281	79	0	0
5421 copper	58	53	5	0	—
5422 aluminum	43	31	13	0	—
5429 smelted prod. nec	59	22	37	—	—
5480 fab. metal products	200	176	24	0	0
Subtotal primary wood products	80	65	15	0	—
5540 primary wood prod.	80	65	15	0	—
Total food and farm products	2,307	2,017	287	2	2
Subtotal fish	81	76	5	0	1
6134 fish (not shellfish)	56	52	3	0	0
6136 shellfish	26	24	2	0	1
Subtotal grain	28	22	6	0	—
6241 wheat	0	0	0	—	—
6344 corn	5	2	4	—	—
6442 rice	21	20	1	0	—
6443 barley & rye	0	0	—	—	—
6445 oats	1	0	1	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	31	25	6	0	—
6521 peanuts	1	1	0	—	—
6522 soybeans	5	1	4	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	25	22	2	0	—
Subtotal vegetable products	440	408	32	0	—
6653 vegetable oils	162	157	6	0	—

UPPER BAY, NEW YORK HARBOR, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
6654 vegetables & prod.	278	251	26	0	—
Subtotal processed grain and animal feed	247	144	101	0	1
6746 wheat flour	2	1	1	0	—
6747 grain mill products	148	129	19	0	—
6781 hay & fodder	6	0	6	—	—
6782 animal feed, prep.	91	14	76	—	1
Subtotal other agricultural products	1,480	1,342	136	2	0
6811 meat, fresh, frozen	20	8	12	—	—
6817 meat, prepared	16	15	1	—	—
6822 dairy products	74	66	9	—	0
6835 fish, prepared	43	42	1	0	—
6838 tallow, animal oils	15	4	11	—	—
6839 animals & prod. nec	30	19	11	0	—
6856 bananas & plantains	37	37	0	—	—
6857 fruit & nuts nec	107	89	18	—	—
6858 fruit juices	198	187	11	0	—
6861 sugar	98	95	3	—	0
6865 molasses	1	0	1	—	—
6871 coffee	95	94	1	0	—
6872 cocoa beans	133	132	1	—	—
6885 alcoholic beverages	316	304	12	0	—
6888 water & ice	87	87	0	—	—
6889 food products nec	181	143	38	0	0
6891 tobacco & products	6	4	2	—	—
6893 cotton	2	1	1	—	—
6894 natural fibers nec	4	4	0	—	—
6899 farm products nec	17	12	4	1	—
Total all manufactured equipment, machinery and products	2,269	1,842	409	16	2
7110 machinery (not elec)	330	229	99	0	1
7120 electrical machinery	177	130	47	0	0
7210 vehicles & parts	654	527	111	16	0
7220 aircraft & parts	3	1	2	0	—
7230 ships & boats	3	2	1	0	—
7300 ordnance & access.	11	6	4	0	—
7400 manufac. wood prod.	32	25	7	—	0
7500 textile products	327	290	36	0	0
7600 rubber & plastic pr.	168	136	32	0	0
7900 manufac. prod. nec	565	496	69	0	0
Total unknown or not elsewhere classified	59	35	24	0	—
9900 unknown or nec	59	35	24	0	—
Ton-miles (x1000) Foreign & Canadian	109,438	90,894	10,753	7,420	371

Commodity	Total*	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound		Outbound		Intra
				Upbound	Downbnd	Upbound	Downbnd	
Total, all commodities	6,935	217	1,158	25	984	4,302	239	9
Total petroleum and petroleum products	5,998	158	869	2	691	4,236	36	8
Subtotal crude petroleum	355	—	92	—	—	255	—	8
2100 crude petroleum	355	—	92	—	—	255	—	8
Subtotal petroleum products	5,644	158	777	2	691	3,981	36	—
2211 gasoline	1,889	102	231	—	84	1,472	—	—
2221 kerosene	71	13	2	—	—	56	—	—
2330 distillate fuel oil	1,291	32	193	1	12	1,053	0	—
2340 residual fuel oil	2,262	11	349	1	588	1,277	35	—
2350 lube oil & greases	7	—	—	—	7	—	—	—
2429 naphtha & solvents	87	—	—	—	—	87	—	—
2430 asphalt, tar & pitch	14	—	—	—	—	14	—	—
2990 petro. products nec	22	—	—	—	0	22	—	—
Total chemicals and related products	98	19	30	—	16	33	—	—
Subtotal other chemicals and related products	98	19	30	—	16	33	—	—
3212 benzene & toluene	13	8	—	—	—	5	—	—
3276 metallic salts	4	4	—	—	—	—	—	—
3297 chemical additives	80	7	30	—	16	27	—	—
3299 chem. products nec	0	—	—	—	—	0	—	—
Total crude materials, inedible except fuels	548	36	233	5	273	1	—	—
Subtotal iron ore and scrap	548	36	233	5	273	1	—	—
4420 iron & steel scrap	548	36	233	5	273	1	—	—

UPPER BAY, NEW YORK HARBOR, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound		Outbound		Intra
			Upbound	Downbnd	Upbound	Downbnd	Upbound	
Subtotal sulphur, clay and salt	0	0	---	---	---	---	---	---
4782 clay & refrac. mat.	0	0	---	---	---	---	---	---
Total food and farm products	38	0	0	0	4	32	2	---
Subtotal vegetable products	6	---	---	---	---	6	---	---
6653 vegetable oils	6	---	---	---	---	6	---	---
Subtotal other agricultural products	32	0	0	0	4	26	2	---
6872 cocoa beans	32	---	---	---	4	26	1	---
6888 water & ice	1	0	0	0	---	---	0	---
Total all manufactured equipment, machinery and products	252	5	27	18	---	0	202	1
7110 machinery (not elec)	0	---	---	---	---	0	---	---
7900 manufac. prod. nec	252	5	27	18	---	---	202	1
Ton-miles (x1000) Domestic	17,708	437	4,126	23	1,460	11,397	257	9
Tons All Traffic (x1000)			106,641					
Ton-miles All Traffic (x1000)			335,521					

*Does not include 67,854 (x1000) tons of through traffic

*Includes 211 (x1000) tons of foreign inbound in-transits; Includes 128 (x1000) tons of foreign outbound in-transits; Includes 82 (x1000) tons of Canadian inbound in-transits; Includes 0 (x1000) tons of Canadian outbound 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
1990	27,640	1993	22,586	1996	21,379	1999	18,546
1991	23,588	1994	24,124	1997	22,062		
1992	22,804	1995	24,214	1998	21,377		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	12,578	8,577	3,834	150	17
Total coal	8	0	7	---	---
1100 coal lignite	8	0	7	---	---
1200 coal coke	0	---	0	---	---
Total petroleum and petroleum products	668	536	41	90	0
Subtotal crude petroleum	90	---	0	90	---
2100 crude petroleum	90	---	0	90	---
Subtotal petroleum products	578	536	41	---	0
2211 gasoline	215	215	0	---	---
2221 kerosene	1	0	1	---	---
2330 distillate fuel oil	101	101	1	---	---
2340 residual fuel oil	210	207	2	---	---
2350 lube oil & greases	24	2	22	---	0
2410 petro. jelly & waxes	16	12	4	---	---
2429 naphtha & solvents	5	0	5	---	---
2430 asphalt, tar & pitch	2	0	2	---	---
2540 petroleum coke	2	0	2	---	---
2640 liquid natural gas	2	0	2	---	---
Total chemicals and related products	1,650	945	702	1	2
Subtotal fertilizers	29	3	26	1	---
3110 nitrogenous fert.	2	1	1	---	---
3120 phosphatic fert.	0	---	0	---	---
3130 potassic fert.	1	0	1	---	---
3190 fert. & mixes nec	26	1	24	1	---
Subtotal other chemicals and related products	1,621	943	676	0	2
3211 acyclic hydrocarbons	13	12	1	---	---
3212 benzene & toluene	0	0	0	---	---
3219 other hydrocarbons	53	20	33	---	---

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
3220 alcohols	139	105	34	0	0
3230 carboxylic acids	116	91	25	0	0
3240 nitrogen func. comp.	56	35	20	0	0
3250 organo - inorg. comp.	41	28	13	—	—
3260 organic comp. nec	83	72	11	0	0
3271 sulphur (liquid)	0	0	0	—	—
3272 sulphuric acid	6	—	6	—	—
3273 ammonia	5	0	5	—	—
3274 sodium hydroxide	6	2	4	—	—
3275 inorg. elem., oxides, & halogen salts	92	65	26	—	1
3276 metallic salts	111	87	24	0	0
3279 inorganic chem. nec	8	5	3	—	—
3281 radioactive material	4	2	2	—	—
3282 pigments & paints	85	42	43	0	0
3283 coloring mat. nec	26	16	11	—	0
3284 medicines	32	16	16	—	0
3285 perfumes & cleansers	108	43	65	0	0
3286 plastics	414	200	214	0	0
3291 pesticides	16	7	9	—	—
3292 starches, gluten, glue	54	41	13	—	—
3293 explosives	1	0	1	—	—
3297 chemical additives	61	13	48	—	0
3298 wood & resin chem.	6	2	4	0	—
3299 chem. products nec	84	39	44	—	0
Total crude materials, inedible except fuels	1,908	588	1,264	48	8
Subtotal forest products, wood and chips	257	87	170	0	—
4110 rubber & gums	2	1	1	—	—
4150 fuel wood	3	1	2	—	—
4161 wood chips	5	0	5	—	—
4170 wood in the rough	28	2	25	—	—
4189 lumber	185	53	132	0	—
4190 forest products nec	35	30	6	—	—
Subtotal pulp and waste paper	750	7	743	0	—
4225 pulp & waste paper	750	7	743	0	—
Subtotal soil, sand, gravel, rock and stone	239	122	69	48	0
4310 building stone	32	31	1	—	—
4322 limestone	0	0	0	—	—
4323 gypsum	144	90	6	48	0
4327 phosphate rock	7	0	7	—	—
4331 sand & gravel	56	1	55	—	—
Subtotal iron ore and scrap	175	0	175	—	—
4410 iron ore	1	—	1	—	—
4420 iron & steel scrap	174	0	174	—	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	75	13	62	—	0
4630 copper ore	3	3	0	—	—
4650 aluminum ore	6	4	3	—	—
4670 manganese ore	1	—	1	—	—
4680 non-ferrous scrap	61	6	55	—	0
4690 non-ferrous ores nec	3	1	2	—	—
Subtotal sulphur, clay and salt	62	39	23	0	0
4741 sulphur, (dry)	0	0	0	—	—
4782 clay & refrac. mat.	62	39	23	0	0
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	348	318	22	—	8
4900 non-metal. min. nec	348	318	22	—	8
Total primary manufactured goods	2,318	1,871	443	2	1
Subtotal paper products	521	321	198	2	0
5110 newsprint	24	11	12	1	—
5120 paper & paperboard	428	279	147	1	0
5190 paper products nec	68	30	38	0	0
Subtotal lime, cement and glass	612	536	76	0	0
5210 lime	2	1	1	—	—
5220 cement & concrete	139	124	15	—	—
5240 glass & glass prod.	151	121	30	0	0
5290 misc. mineral prod.	320	290	30	0	0
Subtotal primary iron and steel products	642	574	67	0	0
5312 pig iron	325	314	11	—	—
5315 ferro alloys	10	8	2	—	—
5320 i&s primary forms	7	4	4	—	—
5330 i&s plates & sheets	82	42	39	0	—
5360 i&s bars & shapes	45	40	4	—	0
5370 i&s pipe & tube	20	15	5	0	0
5390 primary i&s nec	153	151	2	—	—
Subtotal primary non-ferrous metal products	461	373	87	0	1
5421 copper	54	47	7	0	0
5422 aluminum	70	48	22	—	0
5429 smelted prod. nec	32	24	8	—	0
5480 fab. metal products	305	254	51	0	0
Subtotal primary wood products	82	67	15	0	—
5540 primary wood prod.	82	67	15	0	—

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total food and farm products	3,109	2,449	651	6	3
Subtotal fish	104	79	25	0	0
6134 fish (not shellfish)	66	44	21	0	0
6136 shellfish	38	34	4	0	0
Subtotal grain	66	50	16	—	0
6241 wheat	1	0	1	—	—
6344 corn	14	2	12	—	0
6442 rice	48	48	1	—	—
6443 barley & rye	0	0	0	—	—
6445 oats	2	0	2	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	31	24	8	—	—
6521 peanuts	10	9	1	—	—
6522 soybeans	7	4	3	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	15	11	4	—	—
Subtotal vegetable products	509	401	105	3	0
6653 vegetable oils	202	194	8	—	—
6654 vegetables & prod.	307	207	97	3	0
Subtotal processed grain and animal feed	215	112	102	0	1
6746 wheat flour	5	1	4	—	—
6747 grain mill products	124	92	32	0	0
6781 hay & fodder	7	0	7	—	—
6782 animal feed, prep.	78	18	59	0	1
Subtotal other agricultural products	2,184	1,784	396	3	2
6811 meat, fresh, frozen	102	34	68	0	—
6817 meat, prepared	26	23	3	0	—
6822 dairy products	136	111	25	0	0
6835 fish, prepared	63	59	4	0	—
6838 tallow, animal oils	17	2	15	—	—
6839 animals & prod. nec	43	18	25	0	—
6856 bananas & plantains	2	1	0	—	—
6857 fruit & nuts nec	202	141	61	—	0
6858 fruit juices	261	241	21	0	0
6861 sugar	13	8	3	—	1
6865 molasses	0	0	0	—	—
6871 coffee	125	121	3	0	0
6872 cocoa beans	88	85	3	—	—
6885 alcoholic beverages	670	640	28	1	0
6888 water & ice	48	47	1	—	—
6889 food products nec	308	204	103	0	0
6891 tobacco & products	10	4	6	—	—
6893 cotton	9	1	8	—	—
6894 natural fibers nec	7	6	0	—	—
6899 farm products nec	55	35	18	1	—
Total all manufactured equipment, machinery and products	2,816	2,153	660	1	2
7110 machinery (not elec)	418	267	150	0	0
7120 electrical machinery	259	173	85	0	0
7210 vehicles & parts	538	446	92	0	0
7220 aircraft & parts	6	1	4	—	—
7230 ships & boats	4	2	2	—	—
7300 ordnance & access.	12	5	7	—	—
7400 manufac. wood prod.	54	39	15	0	—
7500 textile products	436	346	89	0	0
7600 rubber & plastic pr.	262	199	63	0	0
7900 manufac. prod. nec	828	674	154	0	0
Total unknown or not elsewhere classified	101	35	66	1	0
9900 unknown or nec	101	35	66	1	0
Ton-miles (x1000) Foreign & Canadian	26,057	18,036	7,680	300	41

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	1,613	647	966
Total coal	0	0	0
1100 coal lignite	0	0	0
Total petroleum and petroleum products	83	64	19
Subtotal crude petroleum	0	—	0
2100 crude petroleum	0	—	0
Subtotal petroleum products	83	64	19
2221 kerosene	6	—	6
2330 distillate fuel oil	14	2	12
2340 residual fuel oil	62	62	0
2350 lube oil & greases	0	0	0
2410 petro. jelly & waxes	0	—	0
2429 naphtha & solvents	0	0	0

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
2430 asphalt, tar & pitch	0	0	—
2640 liquid natural gas	0	0	0
Total chemicals and related products	133	47	86
Subtotal fertilizers	1	0	1
3110 nitrogenous fert.	0	—	0
3190 fert. & mixes nec	1	0	1
Subtotal other chemicals and related products	131	47	85
3211 acyclic hydrocarbons	0	0	—
3219 other hydrocarbons	0	0	0
3220 alcohols	2	1	1
3230 carboxylic acids	9	8	2
3240 nitrogen func. comp.	0	—	0
3250 organo - inorg. comp.	0	0	0
3260 organic comp. nec	17	7	10
3274 sodium hydroxide	9	9	0
3275 inorg. elem.oxides, & halogen salts	0	0	0
3276 metallic salts	0	—	0
3282 pigments & paints	1	0	1
3283 coloring mat. nec	0	0	0
3284 medicines	13	5	8
3285 perfumes & cleansers	16	6	9
3286 plastics	12	3	10
3291 pesticides	11	0	10
3292 starches, gluten, glue	2	1	1
3293 explosives	0	—	0
3297 chemical additives	1	0	1
3298 wood & resin chem.	4	1	3
3299 chem. products nec	33	5	27
Total crude materials, inedible except fuels	73	25	48
Subtotal forest products, wood and chips	12	0	12
4110 rubber & gums	0	0	0
4150 fuel wood	10	—	10
4170 wood in the rough	0	—	0
4189 lumber	0	0	0
4190 forest products nec	1	0	1
Subtotal pulp and waste paper	3	1	2
4225 pulp & waste paper	3	1	2
Subtotal soil, sand, gravel, rock and stone	0	—	0
4331 sand & gravel	0	—	0
Subtotal iron ore and scrap	53	23	29
4410 iron ore	0	—	0
4420 iron & steel scrap	53	23	29
Subtotal marine shells	0	0	0
4515 marine shells	0	0	0
Subtotal non-ferrous ores and scrap	3	0	3
4630 copper ore	3	0	3
4680 non-ferrous scrap	0	0	0
4690 non-ferrous ores nec	0	—	0
Subtotal sulphur, clay and salt	0	0	0
4782 clay & refrac. mat.	0	0	0
Subtotal other non-metal. min.	1	—	1
4900 non-metal. min. nec	1	—	1
Total primary manufactured goods	133	48	85
Subtotal paper products	61	14	47
5110 newsprint	1	0	1
5120 paper & paperboard	55	11	44
5190 paper products nec	4	2	2
Subtotal lime, cement and glass	24	13	10
5220 cement & concrete	0	—	0
5240 glass & glass prod.	19	12	7
5290 misc. mineral prod.	4	1	3
Subtotal primary iron and steel products	5	0	5
5312 pig iron	1	—	1
5320 i&s primary forms	0	0	0
5330 i&s plates & sheets	0	0	0
5360 i&s bars & shapes	3	0	3
5370 i&s pipe & tube	0	0	0
5390 primary i&s nec	0	—	0
Subtotal primary non-ferrous metal products	43	21	23
5421 copper	5	0	5
5422 aluminum	0	0	0
5429 smelted prod. nec	3	—	3
5480 fab. metal products	35	20	15
Subtotal primary wood products	0	0	—
5540 primary wood prod.	0	0	—
Total food and farm products	403	194	209
Subtotal fish	1	—	1
6134 fish (not shellfish)	1	—	1
6136 shellfish	1	—	1
Subtotal grain	0	0	0
6442 rice	0	0	0

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
Subtotal oilseeds	0	0	0
6521 peanuts	0	0	0
6522 soybeans	0	0	0
Subtotal vegetable products	25	5	20
6653 vegetable oils	1	0	0
6654 vegetables & prod.	25	5	19
Subtotal processed grain and animal feed	6	1	5
6746 wheat flour	1	0	1
6747 grain mill products	2	1	2
6781 hay & fodder	0	—	0
6782 animal feed, prep.	3	0	3
Subtotal other agricultural products	370	188	183
6811 meat, fresh, frozen	4	1	4
6817 meat, prepared	5	0	5
6822 dairy products	11	7	4
6835 fish, prepared	0	0	0
6838 tallow, animal oils	0	—	0
6839 animals & prod. nec	7	0	7
6857 fruit & nuts nec	20	12	8
6858 fruit juices	12	1	11
6861 sugar	0	—	0
6871 coffee	3	0	3
6872 cocoa beans	10	7	3
6885 alcoholic beverages	246	146	100
6888 water & ice	8	1	8
6889 food products nec	41	11	29
6891 tobacco & products	3	2	1
6894 natural fibers nec	0	0	0
6899 farm products nec	1	1	0
Total all manufactured equipment, machinery and products	781	268	513
7110 machinery (not elec)	11	3	8
7120 electrical machinery	14	6	8
7210 vehicles & parts	32	1	31
7220 aircraft & parts	0	0	0
7230 ships & boats	0	0	0
7300 ordnance & access.	0	—	0
7400 manufac. wood prod.	2	1	1
7500 textile products	28	3	25
7600 rubber & plastic pr.	17	2	16
7900 manufac. prod. nec	677	253	424
Total unknown or not elsewhere classified	8	2	6
9900 unknown or nec	8	2	6
Ton-miles (x1000)	2,189	922	1,267
Coastwise			

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,593	912	2	5	411	29	234
Total petroleum and petroleum products	1,393	780	2	5	344	29	234
Subtotal petroleum products	1,393	780	2	5	344	29	234
2211 gasoline	2	0	—	—	2	—	—
2221 kerosene	1	—	—	—	1	—	—
2330 distillate fuel oil	82	37	2	—	40	0	3
2340 residual fuel oil	1,296	730	—	5	301	29	231
2350 lube oil & greases	13	13	—	—	0	—	—
Total crude materials, inedible except fuels	8	3	—	—	5	—	—
Subtotal iron ore and scrap	8	3	—	—	5	—	—
4420 iron & steel scrap	8	3	—	—	5	—	—
Total food and farm products	8	8	—	—	—	—	—
Subtotal vegetable products	8	8	—	—	—	—	—
6653 vegetable oils	8	8	—	—	—	—	—

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total all manufactured equipment, machinery and products	183	120	---	---	63	---	---
7800 empty containers	3	0	---	---	3	---	---
7900 manufac. prod. nec	180	120	---	---	60	---	---
Ton-miles (x1000)	3,219	1,740	3	10	1,170	29	267
Internal							
Tons All Traffic (x1000)	18,546						
Ton-miles All Traffic (x1000)	45,280						

*Does not include 2,763 (x1000) tons of through traffic

*Includes 454 (x1000) tons of foreign inbound in-transits; Includes 329 (x1000) tons of foreign outbound in-transits;
 Includes 8 (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
1990	2,584	1993	1,542	1996	1,254	1999	1,335
1991	1,912	1994	1,305	1997	1,490		
1992	2,035	1995	1,269	1998	1,325		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic		
		Coastwise		Internal
		Receipts	Shipments	Inbound Upbound
Total, all commodities	1,335	972	28	335
Total coal	893	893	---	---
1100 coal lignite	893	893	---	---
Total petroleum and petroleum products	352	79	---	273
Subtotal petroleum products	352	79	---	273
2211 gasoline	79	---	---	79
2330 distillate fuel oil	188	8	---	180
2340 residual fuel oil	9	---	---	9
2430 asphalt, tar & pitch	77	72	---	5
Total chemicals and related products	90	---	28	62
Subtotal other chemicals and related products	90	---	28	62
3274 sodium hydroxide	64	---	2	62
3276 metallic salts	26	---	26	---
Ton-miles (x1000)	7,182	3,299	56	3,827
Tons All Traffic (x1000)	1,335			
Ton-miles All Traffic (x1000)	7,182			

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
1990	7,116	1993	3,932	1996	3,386	1999	1,540
1991	5,440	1994	3,780	1997	2,450		
1992	5,023	1995	3,586	1998	1,912		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Total, all commodities	1,540	120	107	1,051	254	8
Total petroleum and petroleum products	1,445	85	103	1,019	230	8
Subtotal petroleum products	1,445	85	103	1,019	230	8
2211 gasoline	743	16	18	690	18	—
2221 kerosene	44	21	9	6	8	—
2330 distillate fuel oil	594	36	67	292	191	8
2340 residual fuel oil	54	12	—	31	12	—
2350 lube oil & greases	10	—	10	0	—	—
Total chemicals and related products	39	35	4	—	—	—
Subtotal other chemicals and related products	39	35	4	—	—	—
3220 alcohols	30	29	1	—	—	—
3272 sulphuric acid	3	—	3	—	—	—
3297 chemical additives	6	6	—	—	—	—
Total primary manufactured goods	19	—	—	19	—	—
Subtotal lime, cement and glass	19	—	—	19	—	—
5220 cement & concrete	19	—	—	19	—	—
Total waste and scrap nec	38	—	—	13	25	—
8900 waste and scrap nec	38	—	—	13	25	—
Ton-miles (x1000)	2,357	186	123	1,665	375	8
Tons All Traffic (x1000)	1,540					
Ton-miles All Traffic (x1000)	2,357					

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
1990	96,268	1993	83,897	1996	92,797	1999	89,785
1991	86,859	1994	91,559	1997	94,921		
1992	80,177	1995	90,557	1998	95,823		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	15,959	11,371	925	3,582	80
Total coal	39	38	1	—	—
1100 coal lignite	38	38	0	—	—
1200 coal coke	0	—	0	—	—
Total petroleum and petroleum products	13,139	9,264	230	3,567	78
Subtotal crude petroleum	7,902	4,693	122	3,087	—
2100 crude petroleum	7,902	4,693	122	3,087	—
Subtotal petroleum products	5,237	4,571	108	481	78
2211 gasoline	1,355	1,336	—	19	—
2221 kerosene	9	—	—	—	9
2330 distillate fuel oil	1,503	1,474	0	29	—
2340 residual fuel oil	1,540	1,211	55	206	68
2350 lube oil & greases	8	0	8	0	—
2410 petro. jelly & waxes	6	5	1	—	—
2429 naphtha & solvents	771	502	42	227	—
2430 asphalt, tar & pitch	19	19	0	—	—
2540 petroleum coke	25	24	1	—	—
2640 liquid natural gas	0	0	0	—	—

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total chemicals and related products	1,006	848	156	0	3
Subtotal fertilizers	8	0	5	---	3
3110 nitrogenous fert.	3	0	0	---	3
3130 potassic fert.	0	---	0	---	---
3190 fert. & mixes nec	5	0	5	---	---
Subtotal other chemicals and related products	998	847	151	0	0
3211 acyclic hydrocarbons	30	29	1	---	---
3212 benzene & toluene	0	---	0	---	---
3219 other hydrocarbons	23	16	7	---	---
3220 alcohols	250	244	6	---	---
3230 carboxylic acids	48	41	7	---	---
3240 nitrogen func. comp.	30	20	10	---	---
3250 organo - inorg. comp.	16	12	4	---	---
3260 organic comp. nec	368	363	6	---	---
3273 ammonia	0	---	0	---	---
3274 sodium hydroxide	16	16	0	---	---
3275 inorg. elem.,oxides, & halogen salts	19	16	3	0	---
3276 metallic salts	17	7	10	---	---
3279 inorganic chem. nec	1	0	0	---	---
3281 radioactive material	0	0	0	---	---
3282 pigments & paints	13	6	7	---	---
3283 coloring mat. nec	4	3	1	---	---
3284 medicines	2	1	1	---	---
3285 perfumes & cleansers	23	11	11	---	0
3286 plastics	92	44	49	---	---
3291 pesticides	5	0	4	---	---
3292 starches, gluten, glue	7	5	3	---	---
3293 explosives	0	0	0	---	---
3297 chemical additives	17	6	11	0	---
3298 wood & resin chem.	1	1	0	---	---
3299 chem. products nec	15	7	9	---	---
Total crude materials, inedible except fuels	418	181	222	14	---
Subtotal forest products, wood and chips	63	11	38	14	---
4110 rubber & gums	1	1	0	---	---
4161 wood chips	27	---	27	---	---
4170 wood in the rough	2	0	1	---	---
4189 lumber	29	7	8	14	---
4190 forest products nec	4	3	1	---	---
Subtotal pulp and waste paper	91	0	91	---	---
4225 pulp & waste paper	91	0	91	---	---
Subtotal soil, sand, gravel, rock and stone	66	0	65	0	---
4310 building stone	0	0	0	---	---
4322 limestone	0	0	0	---	---
4323 gypsum	3	0	3	---	---
4327 phosphate rock	0	0	---	---	---
4331 sand & gravel	63	0	63	0	---
Subtotal iron ore and scrap	3	0	3	---	---
4420 iron & steel scrap	3	0	3	---	---
Subtotal marine shells	0	0	0	---	---
4515 marine shells	0	0	0	---	---
Subtotal non-ferrous ores and scrap	10	3	8	---	---
4630 copper ore	0	0	---	---	---
4650 aluminum ore	1	0	1	---	---
4680 non-ferrous scrap	9	2	6	---	---
4690 non-ferrous ores nec	0	0	0	---	---
Subtotal sulphur, clay and salt	6	2	4	---	---
4741 sulphur, (dry)	0	---	0	---	---
4782 clay & refrac. mat.	6	2	4	---	---
Subtotal other non-metal. min.	178	165	13	---	---
4900 non-metal. min. nec	178	165	13	---	---
Total primary manufactured goods	351	249	102	0	0
Subtotal paper products	98	33	65	---	---
5110 newsprint	1	1	1	---	---
5120 paper & paperboard	89	30	59	---	---
5190 paper products nec	8	2	5	---	---
Subtotal lime, cement and glass	142	128	14	0	0
5220 cement & concrete	62	62	---	---	---
5240 glass & glass prod.	37	32	5	---	---
5290 misc. mineral prod.	43	34	9	0	0
Subtotal primary iron and steel products	20	15	5	0	---
5312 pig iron	2	1	1	---	---
5315 ferro alloys	2	1	1	---	---
5320 i&s primary forms	0	0	0	---	---
5330 i&s plates & sheets	6	4	2	0	---
5360 i&s bars & shapes	3	3	0	0	---
5370 i&s pipe & tube	4	3	0	---	---
5390 primary i&s nec	4	4	0	---	---
Subtotal primary non-ferrous metal products	80	63	16	0	---
5421 copper	25	24	1	---	---
5422 aluminum	8	5	3	---	---
5429 smelted prod. nec	7	5	2	---	---
5480 fab. metal products	40	29	11	0	---
Subtotal primary wood products	11	9	2	---	---

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
5540 primary wood prod.	11	9	2	—	—
Total food and farm products	623	533	89	0	0
Subtotal fish	26	25	1	—	—
6134 fish (not shellfish)	4	3	1	—	—
6136 shellfish	22	22	0	—	—
Subtotal grain	4	2	2	—	—
6241 wheat	0	0	—	—	—
6344 corn	1	0	1	—	—
6442 rice	2	2	0	—	—
6443 barley & rye	0	0	—	—	—
6445 oats	1	—	1	—	—
Subtotal oilseeds	3	2	1	—	—
6521 peanuts	2	2	0	—	—
6522 soybeans	1	—	1	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	0	0	0	—	—
Subtotal vegetable products	65	55	10	—	—
6653 vegetable oils	26	26	0	—	—
6654 vegetables & prod.	38	29	10	—	—
Subtotal processed grain and animal feed	30	14	15	0	0
6746 wheat flour	0	0	—	0	—
6747 grain mill products	13	9	3	—	0
6781 hay & fodder	1	0	1	—	—
6782 animal feed, prep.	16	5	11	—	—
Subtotal other agricultural products	495	435	60	0	0
6811 meat, fresh, frozen	11	1	10	—	—
6817 meat, prepared	3	2	1	—	—
6822 dairy products	9	5	3	—	—
6835 fish, prepared	14	14	0	0	—
6838 tallow, animal oils	7	0	7	—	—
6839 animals & prod. nec	8	3	4	—	0
6856 bananas & plantains	169	169	—	—	—
6857 fruit & nuts nec	38	26	12	—	—
6858 fruit juices	46	43	3	—	—
6861 sugar	12	12	0	—	—
6871 coffee	43	43	0	—	—
6872 cocoa beans	27	27	0	—	—
6885 alcoholic beverages	61	56	5	—	—
6888 water & ice	4	4	0	—	—
6889 food products nec	38	27	12	—	—
6891 tobacco & products	1	1	0	—	—
6893 cotton	1	0	1	—	—
6894 natural fibers nec	2	2	—	—	—
6899 farm products nec	2	0	1	—	—
Total all manufactured equipment, machinery and products	364	253	112	0	0
7110 machinery (not elec)	71	42	29	0	0
7120 electrical machinery	53	34	19	—	0
7210 vehicles & parts	15	5	10	0	—
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	0	0	0	—	—
7300 ordnance & access.	2	1	0	—	—
7400 manufac. wood prod.	10	7	3	—	—
7500 textile products	63	50	14	0	—
7600 rubber & plastic pr.	38	26	12	—	0
7900 manufac. prod. nec	111	87	24	—	0
Total unknown or not elsewhere classified	19	6	14	—	—
9900 unknown or nec	19	6	14	—	—
Ton-miles (x1000) Foreign & Canadian	310,821	212,244	22,638	75,252	687

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	28,450	9,450	19,000
Total petroleum and petroleum products	26,365	7,537	18,828
Subtotal crude petroleum	625	625	—
2100 crude petroleum	625	625	—
Subtotal petroleum products	25,739	6,912	18,828
2211 gasoline	10,278	1,030	9,248
2221 kerosene	989	429	560
2330 distillate fuel oil	5,770	1,694	4,076
2340 residual fuel oil	7,320	3,129	4,191
2350 lube oil & greases	387	382	5
2429 naphtha & solvents	109	95	14
2430 asphalt, tar & pitch	871	139	732
2990 petro. products nec	16	14	2

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total chemicals and related products	1,957	1,789	168
Subtotal other chemicals and related products	1,957	1,789	168
3212 benzene & toluene	42	42	—
3219 other hydrocarbons	193	184	9
3220 alcohols	365	365	—
3230 carboxylic acids	87	87	—
3240 nitrogen func. comp.	15	15	—
3260 organic comp. nec	31	31	—
3274 sodium hydroxide	196	185	11
3275 inorg. elem., oxides, & halogen salts	2	2	—
3276 metallic salts	24	24	—
3286 plastics	4	4	—
3297 chemical additives	987	846	141
3299 chem. products nec	12	5	7
Total crude materials, inedible except fuels	50	50	—
Subtotal soil, sand, gravel, rock and stone	50	50	—
4331 sand & gravel	50	50	—
Total primary manufactured goods	73	73	—
Subtotal lime, cement and glass	73	73	—
5220 cement & concrete	73	73	—
Total all manufactured equipment, machinery and products	4	—	4
7900 manufac. prod. nec	4	—	4
Ton-miles (x1000) Coastwise	284,832	119,997	164,834

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	26,276	257	6,372	12,171	1,052	3,016	3,409
Total petroleum and petroleum products	22,342	101	3,307	12,130	990	2,986	2,828
Subtotal crude petroleum	255	—	255	—	—	—	—
2100 crude petroleum	255	—	255	—	—	—	—
Subtotal petroleum products	22,087	101	3,052	12,130	990	2,986	2,828
2211 gasoline	8,196	20	1,269	5,125	96	761	924
2221 kerosene	294	—	26	260	—	4	4
2330 distillate fuel oil	6,965	17	695	4,456	164	661	972
2340 residual fuel oil	5,936	64	933	2,025	718	1,355	842
2350 lube oil & greases	101	—	—	9	13	78	2
2429 naphtha & solvents	265	—	92	—	—	93	80
2430 asphalt, tar & pitch	294	—	14	244	—	36	1
2990 petro. products nec	36	—	22	11	—	—	3
Total chemicals and related products	729	—	33	24	62	30	581
Subtotal other chemicals and related products	729	—	33	24	62	30	581
3212 benzene & toluene	5	—	5	—	—	—	—
3274 sodium hydroxide	62	—	—	—	62	—	—
3297 chemical additives	660	—	27	24	—	28	581
3299 chem. products nec	2	—	0	—	—	2	—
Total crude materials, inedible except fuels	742	156	585	1	—	0	0
Subtotal forest products, wood and chips	1	—	0	1	—	0	0
4170 wood in the rough	1	—	0	1	—	0	0
Subtotal soil, sand, gravel, rock and stone	741	156	585	—	—	—	—
4331 sand & gravel	741	156	585	—	—	—	—
Total primary manufactured goods	220	—	220	—	—	—	—
Subtotal lime, cement and glass	220	—	220	—	—	—	—
5220 cement & concrete	220	—	220	—	—	—	—
Total food and farm products	3	—	—	3	—	—	—
Subtotal vegetable products	3	—	—	3	—	—	—
6653 vegetable oils	3	—	—	3	—	—	—

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total waste and scrap nec	2,240	---	2,227	13	---	---	---
8900 waste and scrap nec	2,240	---	2,227	13	---	---	---
Ton-miles (x1000)	213,186	1,953	64,031	103,847	2,128	17,062	24,167
Tons All Traffic (x1000)	89,785						
Ton-miles All Traffic (x1000)	877,997						

*Does not include 19,101 (x1000) tons of through traffic

*Includes 142 (x1000) tons of foreign inbound in-transits; Includes 94 (x1000) tons of foreign outbound in-transits;
 Includes 195 (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
1990	2,154	1993	1,832	1996	1,939	1999	1,418
1991	2,663	1994	2,134	1997	2,230		
1992	2,192	1995	2,049	1998	1,776		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,418	675	9	436	298
Total petroleum and petroleum products	633	186	---	172	274
Subtotal petroleum products	633	186	---	172	274
2211 gasoline	238	144	---	30	63
2221 kerosene	7	6	---	---	2
2330 distillate fuel oil	268	32	---	78	159
2340 residual fuel oil	120	5	---	65	50
Total crude materials, inedible except fuels	785	488	9	264	23
Subtotal soil, sand, gravel, rock and stone	749	488	---	261	---
4331 sand & gravel	749	488	---	261	---
Subtotal iron ore and scrap	36	---	9	4	23
4420 iron & steel scrap	36	---	9	4	23
Ton-miles (x1000)	1,418	675	9	436	298
Tons All Traffic (x1000)	1,418				
Ton-miles All Traffic (x1000)	1,418				

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
1990	89,411	1993	72,413	1996	84,781	1999	86,759
1991	78,407	1994	81,743	1997	85,721		
1992	73,247	1995	77,590	1998	87,896		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	65,399	50,080	7,816	7,286	217
Total coal	449	441	8	—	—
1100 coal lignite	449	441	8	—	—
1200 coal coke	1	—	1	—	—
Total petroleum and petroleum products	37,209	30,780	317	5,920	192
Subtotal crude petroleum	14,866	10,195	122	4,543	5
2100 crude petroleum	14,866	10,195	122	4,543	5
Subtotal petroleum products	22,343	20,584	194	1,377	187
2211 gasoline	4,878	4,633	2	244	—
2221 kerosene	183	151	1	22	9
2330 distillate fuel oil	6,293	6,069	1	223	—
2340 residual fuel oil	8,169	7,428	61	502	177
2350 lube oil & greases	68	4	64	0	0
2410 petro. jelly & waxes	30	24	7	—	—
2429 naphtha & solvents	2,504	2,082	49	374	—
2430 asphalt, tar & pitch	48	45	3	—	—
2540 petroleum coke	134	118	4	12	—
2640 liquid natural gas	34	31	3	—	—
Total chemicals and related products	3,965	2,670	1,287	2	6
Subtotal fertilizers	60	7	50	1	3
3110 nitrogenous fert.	7	3	2	—	3
3120 phosphatic fert.	0	0	0	—	—
3130 potassic fert.	2	1	1	—	—
3190 fert. & mixes nec	51	3	48	1	—
Subtotal other chemicals and related products	3,905	2,664	1,237	1	4
3211 acyclic hydrocarbons	58	54	4	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	109	56	53	—	—
3220 alcohols	479	424	55	0	0
3230 carboxylic acids	272	212	60	0	0
3240 nitrogen func. comp.	123	80	42	0	0
3250 organo - inorg. comp.	84	60	24	0	—
3260 organic comp. nec	689	661	28	0	0
3271 sulphur (liquid)	0	0	0	—	—
3272 sulphuric acid	7	—	7	—	—
3273 ammonia	13	0	13	—	—
3274 sodium hydroxide	39	33	6	—	—
3275 inorg. elem., oxides, & halogen salts	173	127	44	0	3
3276 metallic salts	186	137	49	0	0
3279 inorganic chem. nec	13	9	4	—	—
3281 radioactive material	7	5	2	—	—
3282 pigments & paints	142	70	71	1	0
3283 coloring mat. nec	48	29	19	—	0
3284 medicines	53	26	27	—	0
3285 perfumes & cleansers	222	100	122	0	0
3286 plastics	773	388	385	0	0
3291 pesticides	28	10	18	—	—
3292 starches, gluten, glue	101	77	24	—	—
3293 explosives	3	1	2	—	—
3297 chemical additives	120	30	90	0	0
3298 wood & resin chem.	15	5	10	0	—
3299 chem. products nec	149	70	78	—	0
Total crude materials, inedible except fuels	5,440	1,707	2,391	1,334	9
Subtotal forest products, wood and chips	568	194	337	37	0
4110 rubber & gums	8	7	1	—	—
4150 fuel wood	4	2	3	0	0
4161 wood chips	37	1	36	—	—
4170 wood in the rough	48	4	44	—	—
4189 lumber	377	100	240	37	—
4190 forest products nec	94	80	14	0	—
Subtotal pulp and waste paper	1,305	43	1,262	0	—
4225 pulp & waste paper	1,305	43	1,262	0	—
Subtotal soil, sand, gravel, rock and stone	1,703	277	168	1,258	0
4310 building stone	37	36	1	—	—
4322 limestone	1	0	0	—	—
4323 gypsum	1,333	238	11	1,085	0
4327 phosphate rock	10	0	10	—	—

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
4331 sand & gravel	323	2	147	174	—
Subtotal iron ore and scrap	438	1	437	—	—
4410 iron ore	2	0	2	—	—
4420 iron & steel scrap	436	1	435	—	—
Subtotal marine shells	1	0	0	—	—
4515 marine shells	1	0	0	—	—
Subtotal non-ferrous ores and scrap	197	103	94	—	0
4630 copper ore	3	3	0	—	—
4650 aluminum ore	82	76	6	—	0
4670 manganese ore	2	0	2	—	—
4680 non-ferrous scrap	103	21	82	—	0
4690 non-ferrous ores nec	6	2	3	—	—
Subtotal sulphur, clay and salt	109	70	39	0	0
4741 sulphur, (dry)	0	0	0	—	—
4782 clay & refrac. mat.	109	70	39	0	0
Subtotal slag	32	32	0	—	—
4860 slag	32	32	0	—	—
Subtotal other non-metal. min.	1,088	988	53	38	8
4900 non-metal. min. nec	1,088	988	53	38	8
Total primary manufactured goods	5,562	4,683	874	3	1
Subtotal paper products	963	555	405	2	0
5110 newsprint	38	15	22	1	—
5120 paper & paperboard	787	470	315	1	0
5190 paper products nec	138	69	69	0	0
Subtotal lime, cement and glass	2,504	2,369	134	0	0
5210 lime	2	1	1	—	—
5220 cement & concrete	1,355	1,324	31	—	—
5240 glass & glass prod.	304	257	47	0	0
5290 misc. mineral prod.	843	787	56	0	0
Subtotal primary iron and steel products	995	881	114	0	0
5312 pig iron	425	408	17	—	—
5315 ferro alloys	20	16	3	—	—
5320 i&s primary forms	13	8	5	—	—
5330 i&s plates & sheets	158	93	65	0	—
5360 i&s bars & shapes	86	78	8	0	0
5370 i&s pipe & tube	51	39	12	0	0
5390 primary i&s nec	242	239	4	—	—
Subtotal primary non-ferrous metal products	925	736	188	1	1
5421 copper	139	126	13	0	0
5422 aluminum	124	84	39	0	0
5429 smelted prod. nec	98	52	46	—	0
5480 fab. metal products	564	474	89	1	0
Subtotal primary wood products	175	142	33	0	—
5540 primary wood prod.	175	142	33	0	—
Total food and farm products	6,975	5,396	1,565	9	6
Subtotal fish	213	181	31	0	1
6134 fish (not shellfish)	126	101	25	0	0
6136 shellfish	87	80	6	0	1
Subtotal grain	572	77	496	0	0
6241 wheat	45	0	45	—	—
6344 corn	448	4	444	—	0
6442 rice	74	72	2	0	—
6443 barley & rye	0	0	0	—	—
6445 oats	4	0	4	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	80	65	16	0	—
6521 peanuts	17	16	1	—	—
6522 soybeans	13	5	8	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	50	43	7	0	—
Subtotal vegetable products	1,037	875	159	3	0
6653 vegetable oils	394	380	14	0	—
6654 vegetables & prod.	643	496	144	3	0
Subtotal processed grain and animal feed	504	274	227	0	2
6746 wheat flour	7	2	5	0	—
6747 grain mill products	290	233	57	0	0
6781 hay & fodder	15	0	14	—	—
6782 animal feed, prep.	193	39	152	0	2
Subtotal other agricultural products	4,568	3,924	637	5	2
6811 meat, fresh, frozen	141	45	96	0	—
6817 meat, prepared	47	42	5	0	—
6822 dairy products	224	185	39	0	0
6835 fish, prepared	125	121	5	0	—
6838 tallow, animal oils	46	6	40	—	—
6839 animals & prod. nec	83	42	41	0	0
6856 bananas & plantains	208	208	0	—	—
6857 fruit & nuts nec	352	260	91	—	0
6858 fruit juices	520	485	34	0	0
6861 sugar	238	230	6	—	1
6865 molasses	47	46	1	—	—
6871 coffee	271	266	4	0	0
6872 cocoa beans	370	366	4	—	—
6885 alcoholic beverages	1,052	1,005	46	1	0

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
6888 water & ice	148	146	1	0	—
6889 food products nec	573	396	176	0	0
6891 tobacco & products	19	9	10	—	—
6893 cotton	12	2	10	—	—
6894 natural fibers nec	13	13	0	—	—
6899 farm products nec	80	51	26	3	—
Total all manufactured equipment, machinery and products	5,604	4,324	1,259	17	3
7110 machinery (not elec)	853	552	299	0	2
7120 electrical machinery	501	340	160	0	0
7210 vehicles & parts	1,222	985	222	16	0
7220 aircraft & parts	9	2	7	0	—
7230 ships & boats	7	4	4	0	—
7300 ordnance & access.	24	12	11	0	—
7400 manufac. wood prod.	99	73	26	0	0
7500 textile products	871	702	169	0	0
7600 rubber & plastic pr.	481	372	109	0	0
7900 manufac. prod. nec	1,537	1,283	253	0	0
Total unknown or not elsewhere classified	195	80	114	1	0
9900 unknown or nec	195	80	114	1	0
Ton-miles (x1000) Foreign & Canadian	691,251	544,556	89,452	54,813	2,430

Commodity	Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	21,360	16,349	4,315	24	672
Total coal	1,725	1,725	0	—	—
1100 coal lignite	1,725	1,725	0	—	—
Total petroleum and petroleum products	13,822	10,992	2,424	19	387
Subtotal crude petroleum	508	415	92	—	—
2100 crude petroleum	508	415	92	—	—
Subtotal petroleum products	13,315	10,577	2,331	19	387
2211 gasoline	2,352	1,326	836	—	191
2221 kerosene	934	910	25	—	—
2330 distillate fuel oil	3,347	2,724	440	13	170
2340 residual fuel oil	5,089	4,422	634	6	27
2350 lube oil & greases	435	405	30	—	0
2410 petro. jelly & waxes	112	67	45	—	—
2429 naphtha & solvents	111	96	15	—	—
2430 asphalt, tar & pitch	920	613	306	—	—
2640 liquid natural gas	0	0	0	—	—
2990 petro. products nec	14	14	—	—	—
Total chemicals and related products	3,116	2,575	541	—	—
Subtotal fertilizers	1	0	1	—	—
3110 nitrogenous fert.	0	—	0	—	—
3190 fert. & mixes nec	1	0	1	—	—
Subtotal other chemicals and related products	3,115	2,575	540	—	—
3211 acyclic hydrocarbons	0	0	—	—	—
3212 benzene & toluene	74	67	7	—	—
3219 other hydrocarbons	469	423	46	—	—
3220 alcohols	504	451	54	—	—
3230 carboxylic acids	110	101	9	—	—
3240 nitrogen func. comp.	14	14	0	—	—
3250 organo - inorg. comp.	0	0	0	—	—
3260 organic comp. nec	111	70	41	—	—
3272 sulphuric acid	3	—	3	—	—
3274 sodium hydroxide	572	434	138	—	—
3275 inorg. elem.,oxides, & halogen salts	3	2	0	—	—
3276 metallic salts	29	29	0	—	—
3282 pigments & paints	1	0	1	—	—
3283 coloring mat. nec	0	0	0	—	—
3284 medicines	13	5	8	—	—
3285 perfumes & cleansers	16	6	9	—	—
3286 plastics	15	6	10	—	—
3291 pesticides	11	0	10	—	—
3292 starches, gluten, glue	2	1	1	—	—
3293 explosives	0	—	0	—	—
3297 chemical additives	1,071	929	142	—	—
3298 wood & resin chem.	12	5	7	—	—
3299 chem. products nec	85	31	54	—	—
Total crude materials, inedible except fuels	616	57	279	—	280
Subtotal forest products, wood and chips	12	0	12	—	—

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
4110 rubber & gums	0	0	0	—	—
4150 fuel wood	10	—	10	—	—
4170 wood in the rough	0	—	0	—	—
4189 lumber	0	0	0	—	—
4190 forest products nec	1	0	1	—	—
Subtotal pulp and waste paper	3	1	2	—	—
4225 pulp & waste paper	3	1	2	—	—
Subtotal soil, sand, gravel, rock and stone	336	55	0	—	280
4322 limestone	55	55	—	—	—
4331 sand & gravel	280	—	0	—	280
Subtotal iron ore and scrap	261	0	261	—	—
4410 iron ore	0	—	0	—	—
4420 iron & steel scrap	261	0	261	—	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	3	0	3	—	—
4630 copper ore	3	0	3	—	—
4680 non-ferrous scrap	0	0	0	—	—
4690 non-ferrous ores nec	0	—	0	—	—
Subtotal sulphur, clay and salt	0	0	0	—	—
4782 clay & refrac. mat.	0	0	0	—	—
Subtotal other non-metal. min.	1	—	1	—	—
4900 non-metal. min. nec	1	—	1	—	—
Total primary manufactured goods	605	123	473	5	5
Subtotal paper products	61	14	47	—	—
5110 newsprint	1	0	1	—	—
5120 paper & paperboard	55	11	44	—	—
5190 paper products nec	4	2	2	—	—
Subtotal lime, cement and glass	496	88	398	5	5
5220 cement & concrete	472	75	388	5	5
5240 glass & glass prod.	19	12	7	—	—
5290 misc. mineral prod.	4	1	3	—	—
Subtotal primary iron and steel products	5	0	5	—	—
5312 pig iron	1	—	1	—	—
5320 i&s primary forms	0	0	0	—	—
5330 i&s plates & sheets	0	0	0	—	—
5360 i&s bars & shapes	3	0	3	—	—
5370 i&s pipe & tube	0	0	0	—	—
5390 primary i&s nec	0	—	0	—	—
Subtotal primary non-ferrous metal products	43	21	23	—	—
5421 copper	5	0	5	—	—
5422 aluminum	0	0	0	—	—
5429 smelted prod. nec	3	—	3	—	—
5480 fab. metal products	35	20	15	—	—
Subtotal primary wood products	0	0	—	—	—
5540 primary wood prod.	0	0	—	—	—
Total food and farm products	939	729	209	0	0
Subtotal fish	1	—	1	0	—
6134 fish (not shellfish)	1	—	1	0	—
6136 shellfish	1	—	1	—	—
Subtotal grain	0	0	0	—	—
6442 rice	0	0	0	—	—
Subtotal oilseeds	0	0	0	—	—
6521 peanuts	0	0	0	—	—
6522 soybeans	0	0	0	—	—
Subtotal vegetable products	25	5	20	—	—
6653 vegetable oils	1	0	0	—	—
6654 vegetables & prod.	25	5	19	—	—
Subtotal processed grain and animal feed	6	1	5	—	—
6746 wheat flour	1	0	1	—	—
6747 grain mill products	2	1	2	—	—
6781 hay & fodder	0	—	0	—	—
6782 animal feed, prep.	3	0	3	—	—
Subtotal other agricultural products	906	723	183	0	0
6811 meat, fresh, frozen	4	1	4	—	—
6817 meat, prepared	5	0	5	—	—
6822 dairy products	11	7	4	—	—
6835 fish, prepared	0	0	0	—	—
6838 tallow, animal oils	0	—	0	—	—
6839 animals & prod. nec	7	0	7	—	—
6857 fruit & nuts nec	20	12	8	—	—
6858 fruit juices	12	1	11	—	—
6861 sugar	454	454	0	—	—
6871 coffee	3	0	3	—	—
6872 cocoa beans	10	7	3	—	—
6885 alcoholic beverages	246	146	100	—	—
6888 water & ice	9	1	8	0	0
6889 food products nec	122	93	29	—	—
6891 tobacco & products	3	2	1	—	—
6894 natural fibers nec	0	0	0	—	—
6899 farm products nec	1	1	0	—	—

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total all manufactured equipment, machinery and products	528	145	383	---	---
7110 machinery (not elec)	11	3	8	---	---
7120 electrical machinery	14	6	8	---	---
7210 vehicles & parts	32	1	31	---	---
7220 aircraft & parts	0	0	0	---	---
7230 ships & boats	0	0	0	---	---
7300 ordnance & access.	0	---	0	---	---
7400 manufac. wood prod.	2	1	1	---	---
7500 textile products	28	3	25	---	---
7600 rubber & plastic pr.	17	2	16	---	---
7900 manufac. prod. nec	425	130	295	---	---
Total unknown or not elsewhere classified	8	2	6	---	---
9900 unknown or nec	8	2	6	---	---
Ton-miles (x1000) Domestic	144,601	111,589	29,632	43	3,337
Tons All Traffic (x1000)	86,759				
Ton-miles All Traffic (x1000)	835,852				

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
1990	140,020	1993	116,736	1996	131,601		
1991	126,861	1994	126,101	1997	135,266	1999	133,715
1992	115,311	1995	119,342	1998	137,544		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	63,484	49,093	7,333	6,841	217
Total coal	335	326	8	---	---
1100 coal lignite	334	326	8	---	---
1200 coal coke	1	---	1	---	---
Total petroleum and petroleum products	37,123	30,694	317	5,920	192
Subtotal crude petroleum	14,866	10,195	122	4,543	5
2100 crude petroleum	14,866	10,195	122	4,543	5
Subtotal petroleum products	22,257	20,499	194	1,377	187
2211 gasoline	4,863	4,617	2	244	---
2221 kerosene	183	151	1	22	9
2330 distillate fuel oil	6,276	6,052	1	223	---
2340 residual fuel oil	8,129	7,389	61	502	177
2350 lube oil & greases	68	4	64	0	0
2410 petro. jelly & waxes	30	24	7	---	---
2429 naphtha & solvents	2,504	2,082	49	374	---
2430 asphalt, tar & pitch	48	45	3	---	---
2540 petroleum coke	120	104	4	12	---
2640 liquid natural gas	34	31	3	---	---
Total chemicals and related products	3,965	2,670	1,287	2	6
Subtotal fertilizers	60	7	50	1	3
3110 nitrogenous fert.	7	3	2	---	3
3120 phosphatic fert.	0	0	0	---	---
3130 potassic fert.	2	1	1	---	---
3190 fert. & mixes nec	51	3	48	1	---
Subtotal other chemicals and related products	3,904	2,663	1,236	1	4
3211 acyclic hydrocarbons	58	54	4	---	---
3212 benzene & toluene	0	0	0	---	---
3219 other hydrocarbons	109	56	53	---	---
3220 alcohols	479	424	55	0	0
3230 carboxylic acids	272	212	60	0	0
3240 nitrogen func. comp.	123	80	42	0	0
3250 organo - inorg. comp.	84	60	23	0	---
3260 organic comp. nec	689	661	28	0	0
3271 sulphur (liquid)	0	0	0	---	---
3272 sulphuric acid	7	---	7	---	---
3273 ammonia	13	0	13	---	---
3274 sodium hydroxide	39	33	6	---	---
3275 inorg. elem. oxides, & halogen salts	173	127	44	0	3
3276 metallic salts	186	137	49	0	0
3279 inorganic chem. nec	13	9	4	---	---
3281 radioactive material	7	5	2	---	---
3282 pigments & paints	142	70	71	1	0

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
3283 coloring mat. nec	48	29	19	—	0
3284 medicines	53	26	26	—	0
3285 perfumes & cleansers	222	100	122	0	0
3286 plastics	773	388	385	0	0
3291 pesticides	28	10	18	—	—
3292 starches, gluten, glue	101	77	24	—	—
3293 explosives	3	1	2	—	—
3297 chemical additives	120	30	90	0	0
3298 wood & resin chem.	15	5	10	0	—
3299 chem. products nec	149	70	78	—	0
Total crude materials, inedible except fuels	4,544	1,256	2,390	890	9
Subtotal forest products, wood and chips	568	194	337	37	0
4110 rubber & gums	8	7	1	—	—
4150 fuel wood	4	2	3	0	0
4161 wood chips	37	1	36	—	—
4170 wood in the rough	48	4	44	—	—
4189 lumber	377	100	240	37	—
4190 forest products nec	94	80	14	0	—
Subtotal pulp and waste paper	1,273	11	1,262	0	—
4225 pulp & waste paper	1,273	11	1,262	0	—
Subtotal soil, sand, gravel, rock and stone	1,258	248	168	841	0
4310 building stone	37	36	1	—	—
4322 limestone	1	0	0	—	—
4323 gypsum	888	210	11	668	0
4327 phosphate rock	10	0	10	—	—
4331 sand & gravel	323	2	147	174	—
Subtotal iron ore and scrap	438	1	437	—	—
4410 iron ore	2	0	2	—	—
4420 iron & steel scrap	436	1	435	—	—
Subtotal marine shells	1	0	0	—	—
4515 marine shells	1	0	0	—	—
Subtotal non-ferrous ores and scrap	137	43	94	—	0
4630 copper ore	3	3	0	—	—
4650 aluminum ore	22	16	6	—	0
4670 manganese ore	2	0	2	—	—
4680 non-ferrous scrap	103	21	82	—	0
4690 non-ferrous ores nec	6	2	3	—	—
Subtotal sulphur, clay and salt	109	70	38	0	0
4741 sulphur, (dry)	0	0	0	—	—
4782 clay & refrac. mat.	109	70	38	0	0
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	761	689	53	11	8
4900 non-metal. min. nec	761	689	53	11	8
Total primary manufactured goods	5,272	4,393	874	3	1
Subtotal paper products	963	555	405	2	0
5110 newsprint	38	15	22	1	—
5120 paper & paperboard	786	470	315	1	0
5190 paper products nec	138	69	69	0	0
Subtotal lime, cement and glass	2,221	2,086	134	0	0
5210 lime	2	1	1	—	—
5220 cement & concrete	1,072	1,041	31	—	—
5240 glass & glass prod.	304	257	47	0	0
5290 misc. mineral prod.	843	787	56	0	0
Subtotal primary iron and steel products	988	874	114	0	0
5312 pig iron	425	408	17	—	—
5315 ferro alloys	20	16	3	—	—
5320 i&s primary forms	13	8	5	—	—
5330 i&s plates & sheets	152	87	65	0	—
5360 i&s bars & shapes	86	78	8	0	0
5370 i&s pipe & tube	51	39	12	0	0
5390 primary i&s nec	242	239	4	—	—
Subtotal primary non-ferrous metal products	925	736	188	1	1
5421 copper	139	126	13	0	0
5422 aluminum	124	84	39	0	0
5429 smelted prod. nec	98	52	46	—	0
5480 fab. metal products	564	473	89	1	0
Subtotal primary wood products	175	142	33	0	—
5540 primary wood prod.	175	142	33	0	—
Total food and farm products	6,457	5,349	1,093	9	6
Subtotal fish	213	181	31	0	1
6134 fish (not shellfish)	126	101	25	0	0
6136 shellfish	87	80	6	0	1
Subtotal grain	101	77	24	0	0
6241 wheat	1	0	1	—	—
6344 corn	21	4	16	—	0
6442 rice	74	72	2	0	—
6443 barley & rye	0	0	0	—	—
6445 oats	4	0	4	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	80	65	16	0	—
6521 peanuts	17	16	1	—	—
6522 soybeans	13	5	8	—	—

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	50	43	7	0	—
Subtotal vegetable products	1,037	875	159	3	0
6653 vegetable oils	394	380	14	0	—
6654 vegetables & prod.	643	496	144	3	0
Subtotal processed grain and animal feed	504	274	227	0	2
6746 wheat flour	7	2	5	0	—
6747 grain mill products	290	233	57	0	0
6781 hay & fodder	15	0	14	—	—
6782 animal feed, prep.	193	39	151	0	2
Subtotal other agricultural products	4,522	3,878	637	5	2
6811 meat, fresh, frozen	141	45	96	0	—
6812 meat, prepared	47	42	5	0	—
6822 dairy products	224	185	39	0	0
6835 fish, prepared	125	121	5	0	—
6838 tallow, animal oils	46	6	40	—	—
6839 animals & prod. nec	83	42	41	0	0
6856 bananas & plantains	208	208	0	—	—
6857 fruit & nuts nec	352	260	91	—	0
6858 fruit juices	520	485	34	0	0
6861 sugar	238	230	6	—	1
6865 molasses	1	0	1	—	—
6871 coffee	271	266	4	0	0
6872 cocoa beans	370	366	4	—	—
6885 alcoholic beverages	1,052	1,005	46	1	0
6888 water & ice	148	146	1	0	—
6889 food products nec	573	396	176	0	0
6891 tobacco & products	19	9	10	—	—
6893 cotton	12	2	10	—	—
6894 natural fibers nec	13	13	0	—	—
6899 farm products nec	80	51	26	3	—
Total all manufactured equipment, machinery and products	5,593	4,323	1,249	17	3
7110 machinery (not elec)	843	551	290	0	2
7120 electrical machinery	500	340	159	0	0
7210 vehicles & parts	1,222	985	222	16	0
7220 aircraft & parts	9	2	7	0	—
7230 ships & boats	7	4	4	0	—
7300 ordnance & access.	24	12	11	0	—
7400 manufac. wood prod.	99	73	26	0	0
7500 textile products	871	702	169	0	0
7600 rubber & plastic pr.	481	372	109	0	0
7900 manufac. prod. nec	1,537	1,283	253	0	0
Total unknown or not elsewhere classified	195	80	114	1	0
9900 unknown or nec	195	80	114	1	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	70,231	16,189	22,220	3,083	7,294	21,445
Total coal	893	893	0	—	—	—
1100 coal lignite	893	893	0	—	—	—
Total petroleum and petroleum products	56,343	11,287	20,237	100	7,287	17,432
Subtotal crude petroleum	980	625	92	—	—	263
2100 crude petroleum	980	625	92	—	—	263
Subtotal petroleum products	55,363	10,662	20,145	100	7,287	17,169
2211 gasoline	19,438	1,307	9,659	4	3,917	4,551
2221 kerosene	1,813	897	583	—	241	92
2330 distillate fuel oil	14,749	2,600	4,379	81	2,268	5,421
2340 residual fuel oil	17,015	4,971	4,759	15	684	6,586
2350 lube oil & greases	500	382	16	—	—	101
2410 petro. jelly & waxes	0	—	0	—	—	—
2429 naphtha & solvents	374	95	14	—	—	265
2430 asphalt, tar & pitch	1,423	396	732	—	166	129
2640 liquid natural gas	0	0	0	—	—	—
2990 petro. products nec	51	14	2	—	11	25
Total chemicals and related products	2,947	1,903	315	—	8	722
Subtotal fertilizers	1	0	1	—	—	—
3110 nitrogenous fert.	0	—	0	—	—	—
3190 fert. & mixes nec	1	0	1	—	—	—
Subtotal other chemicals and related products	2,946	1,902	314	—	8	722
3211 acyclic hydrocarbons	0	0	—	—	—	—
3212 benzene & toluene	55	50	—	—	—	5
3219 other hydrocarbons	193	184	9	—	—	—
3220 alcohols	396	394	2	—	—	—
3230 carboxylic acids	96	94	2	—	—	—

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
3240 nitrogen func. comp.	15	15	0	—	—	—
3250 organo - inorg. comp.	0	0	0	—	—	—
3260 organic comp. nec	48	38	10	—	—	—
3272 sulphuric acid	3	—	3	—	—	—
3274 sodium hydroxide	269	194	13	—	—	62
3275 inorg. elem., oxides, & halogen salts	3	2	0	—	—	—
3276 metallic salts	55	29	26	—	—	—
3282 pigments & paints	1	0	1	—	—	—
3283 coloring mat. nec	0	0	0	—	—	—
3284 medicines	13	5	8	—	—	—
3285 perfumes & cleansers	16	6	9	—	—	—
3286 plastics	16	6	10	—	—	—
3291 pesticides	11	0	10	—	—	—
3292 starches, gluten, glue	2	1	1	—	—	—
3293 explosives	0	—	0	—	—	—
3297 chemical additives	1,703	871	171	—	8	653
3298 wood & resin chem.	4	1	3	—	—	—
3299 chem. products nec	47	11	34	—	—	2
Total crude materials, inedible except fuels	4,904	971	769	2,565	—	599
Subtotal forest products, wood and chips	13	0	12	—	—	1
4110 rubber & gums	0	0	0	—	—	—
4150 fuel wood	10	—	10	—	—	—
4170 wood in the rough	1	—	0	—	—	1
4189 lumber	0	0	0	—	—	—
4190 forest products nec	1	0	1	—	—	—
Subtotal pulp and waste paper	3	1	2	—	—	—
4225 pulp & waste paper	3	1	2	—	—	—
Subtotal soil, sand, gravel, rock and stone	4,207	892	488	2,564	—	263
4331 sand & gravel	4,207	892	488	2,564	—	263
Subtotal iron ore and scrap	676	77	263	1	—	335
4410 iron ore	0	—	0	—	—	—
4420 iron & steel scrap	676	77	262	1	—	335
Subtotal marine shells	0	0	0	—	—	—
4515 marine shells	0	0	0	—	—	—
Subtotal non-ferrous ores and scrap	3	0	3	—	—	—
4630 copper ore	3	0	3	—	—	—
4680 non-ferrous scrap	0	0	0	—	—	—
4690 non-ferrous ores nec	0	—	0	—	—	—
Subtotal sulphur, clay and salt	0	0	0	—	—	—
4782 clay & refrac. mat.	0	0	0	—	—	—
Subtotal other non-metal. min.	1	—	1	—	—	—
4900 non-metal. min. nec	1	—	1	—	—	—
Total primary manufactured goods	690	132	140	418	—	—
Subtotal paper products	61	14	47	—	—	—
5110 newsprint	1	0	1	—	—	—
5120 paper & paperboard	55	11	44	—	—	—
5190 paper products nec	4	2	2	—	—	—
Subtotal lime, cement and glass	581	97	65	418	—	—
5220 cement & concrete	557	84	55	418	—	—
5240 glass & glass prod.	19	12	7	—	—	—
5290 misc. mineral prod.	4	1	3	—	—	—
Subtotal primary iron and steel products	5	0	5	—	—	—
5312 pig iron	1	—	1	—	—	—
5320 i&s primary forms	0	0	0	—	—	—
5330 i&s plates & sheets	0	0	0	—	—	—
5360 i&s bars & shapes	3	0	3	—	—	—
5370 i&s pipe & tube	0	0	0	—	—	—
5390 primary i&s nec	0	—	0	—	—	—
Subtotal primary non-ferrous metal products	43	21	23	—	—	—
5421 copper	5	0	5	—	—	—
5422 aluminum	0	0	0	—	—	—
5429 smelted prod. nec	3	—	3	—	—	—
5480 fab. metal products	35	20	15	—	—	—
Subtotal primary wood products	0	0	—	—	—	—
5540 primary wood prod.	0	0	—	—	—	—
Total food and farm products	986	729	209	0	—	48
Subtotal fish	1	—	1	0	—	—
6134 fish (not shellfish)	1	—	1	0	—	—
6136 shellfish	1	—	1	—	—	—
Subtotal grain	0	0	0	—	—	—
6442 rice	0	0	0	—	—	—
Subtotal oilseeds	0	0	0	—	—	—
6521 peanuts	0	0	0	—	—	—
6522 soybeans	0	0	0	—	—	—
Subtotal vegetable products	34	5	20	—	—	8
6653 vegetable oils	9	0	0	—	—	8
6654 vegetables & prod.	25	5	19	—	—	—
Subtotal processed grain and animal feed	6	1	5	—	—	—
6746 wheat flour	1	0	1	—	—	—
6747 grain mill products	2	1	2	—	—	—
6781 hay & fodder	0	—	0	—	—	—
6782 animal feed, prep.	3	0	3	—	—	—

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal other agricultural products	945	723	183	---	---	39
6811 meat, fresh, frozen	4	1	4	---	---	---
6817 meat, prepared	5	0	5	---	---	---
6822 dairy products	11	7	4	---	---	---
6835 fish, prepared	0	0	0	---	---	---
6838 tallow, animal oils	0	---	0	---	---	---
6839 animals & prod. nec	7	0	7	---	---	---
6857 fruit & nuts nec	20	12	8	---	---	---
6858 fruit juices	12	1	11	---	---	---
6861 sugar	454	454	0	---	---	---
6871 coffee	3	0	3	---	---	---
6872 cocoa beans	48	7	3	---	---	39
6885 alcoholic beverages	246	146	100	---	---	---
6888 water & ice	9	1	8	---	---	1
6889 food products nec	122	93	29	---	---	---
6891 tobacco & products	3	2	1	---	---	---
6894 natural fibers nec	0	0	0	---	---	---
6899 farm products nec	1	1	0	---	---	---
Total all manufactured equipment, machinery and products	1,220	272	544	---	---	404
7110 machinery (not elec)	11	3	8	---	---	0
7120 electrical machinery	14	6	8	---	---	---
7210 vehicles & parts	32	1	31	---	---	---
7220 aircraft & parts	0	0	0	---	---	---
7230 ships & boats	0	0	0	---	---	---
7300 ordnance & access.	0	---	0	---	---	---
7400 manufac. wood prod.	2	1	1	---	---	---
7500 textile products	28	3	25	---	---	---
7600 rubber & plastic pr.	17	2	16	---	---	---
7800 empty containers	3	---	---	---	---	3
7900 manufac. prod. nec	1,113	257	455	---	---	401
Total waste and scrap nec	2,240	---	---	---	---	2,240
8900 waste and scrap nec	2,240	---	---	---	---	2,240
Total unknown or not elsewhere classified	8	2	6	---	---	---
9900 unknown or nec	8	2	6	---	---	---

*Includes 915 (x1000) tons of foreign inbound in-transits; Includes 629 (x1000) tons of foreign outbound in-transits;
Includes 335 (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, 1999
(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	116	4	---	---	241	---	361	0.24	1,569
BRONX RIVER, NY	---	---	---	---	93	---	93	0.06	---
BUTTERMILK CHANNEL, NY	1,394	245	---	---	277	---	1,916	1.29	30,313
CHEESEQUAKE CREEK, NJ	---	---	---	---	---	---	---	0.00	---
CONEY ISLAND CHANNEL, NY	---	---	---	---	---	---	---	0.00	465
CONEY ISLAND CREEK, NY	---	---	---	---	2	---	2	0.00	---
EAST CHESTER CREEK, NY	---	---	739	---	471	---	1,210	0.82	---
EAST RIVER, NY	1,197	15	1,467	199	1,999	233	5,110	3.45	28,199
EAST ROCKAWAY INLET, NY	---	---	---	---	---	---	---	0.00	632
ECHO BAY HARBOR, NY	---	---	---	---	---	---	---	0.00	---
ELIZABETH RIVER, NJ	---	---	---	---	---	---	---	0.00	---
FLUSHING BAY AND CREEK, NY	---	---	110	---	2,133	---	2,243	1.51	---
GOWANUS CANAL, NY	---	---	---	---	432	---	432	0.29	---
GOWANUS CREEK CHANNEL, NY	---	---	235	55	847	---	1,137	0.77	432
GRAVESEND BAY, NY	---	---	34	32	524	---	589	0.40	2
GREAT KILLS HARBOR, STATEN ISLAND, NY	---	---	---	---	---	---	---	0.00	---
HACKENSACK RIVER, NJ	---	---	972	28	335	---	1,335	0.90	---
HARLEM RIVER, NY	---	---	---	---	0	---	0	0.00	---
HUDSON RIVER CHANNEL, NY AND NJ	42	12	---	---	883	---	936	0.63	17,146
HUDSON RIVER, NY (LOWER SECTION)	39	---	404	---	24	---	467	0.32	16,679
JAMAICA BAY, NY	---	---	---	---	664	---	664	0.45	---
KEYPORT HARBOR, NJ	---	---	---	---	---	---	---	0.00	---
LARCHMONT HARBOR, NY	---	---	---	---	---	---	---	0.00	---
LEMON CREEK, STATEN ISLAND, NY	---	---	---	---	---	---	---	0.00	---
LONG ISLAND SOUND AT CITY ISLAND, NY	---	---	---	---	---	---	---	0.00	---
MAMARONECK HARBOR, NY	---	---	---	---	---	---	---	0.00	---
MANHASSET BAY, NY	---	---	---	---	74	---	74	0.05	---
NEW ROCHELLE HARBOR, NY	---	---	---	---	---	---	---	0.00	---
NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ	14,953	1,006	9,450	19,000	19,851	6,425	70,685	47.69	19,101
NEWARK BAY, NJ	8,727	3,851	647	966	1,330	263	15,783	10.65	2,763
NEWTOWN CREEK, NY	---	---	11	1	1,287	3	1,302	0.88	---
PASSAIC RIVER, NJ	---	---	120	107	1,306	8	1,540	1.04	---
PORT CHESTER HARBOR, NY	---	---	1	---	73	---	74	0.05	---
RAHWAY RIVER, NJ	---	---	---	---	---	---	---	0.00	---
RARITAN RIVER TO ARTHUR KILL CUT OFF CHANNEL, NJ	---	---	---	---	---	---	---	0.00	1,418
RARITAN RIVER, NJ	---	30	1,782	675	798	---	3,285	2.22	---
SANDY HOOK BAY AT LEONARDO, NJ	---	---	---	---	3	---	3	0.00	---
SANDY HOOK BAY, NJ	2	1	---	---	0	---	3	0.00	---
SHEEPSHEAD BAY, NY	---	---	---	---	---	---	---	0.00	---
SHOAL HARBOR AND COMPTON CREEK, NJ	---	---	---	---	0	---	0	0.00	---
UPPER BAY, NEW YORK HARBOR, NY AND NJ	29,465	2,387	217	1,158	5,551	9	38,786	26.17	67,854
WALLABOUT CHANNEL, NY	---	---	---	---	---	---	---	0.00	---
WAYCAKE CREEK, NJ	---	---	---	---	---	---	---	0.00	---
WESTCHESTER CREEK, NY	---	---	---	---	187	---	187	0.13	---
TOTAL (UNADJUSTED)	55,934	7,550	16,189	22,220	39,385	6,941	148,218	---	---
PERCENT (UNADJUSTED)	37.74	5.09	10.92	14.99	26.57	4.68	---	100.00	---
NET VOLUME OF TONNAGE FOR THE AREA	55,934	7,550	16,189	22,220	10,377	21,445	133,715	---	---
PERCENT (ADJUSTED)	41.83	5.65	12.11	16.62	7.76	16.04	---	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
1990	16,402	1993	15,730	1996	15,529	1999	17,536
1991	16,085	1994	15,331	1997	17,309		
1992	15,468	1995	14,592	1998	18,031		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports	Imports
Total, all commodities	1,954	1,021	483	450
Total coal	114	114	---	---
1100 coal lignite	114	114	---	---
Total petroleum and petroleum products	85	85	---	---
Subtotal petroleum products	85	85	---	---
2211 gasoline	15	15	---	---
2330 distillate fuel oil	17	17	---	---
2340 residual fuel oil	39	39	---	---
2540 petroleum coke	14	14	---	---
Total chemicals and related products	1	0	0	---
Subtotal other chemicals and related products	1	0	0	---
3220 alcohols	0	---	0	---
3240 nitrogen func. comp.	0	---	0	---
3250 organo - inorg. comp.	0	---	0	---
3260 organic comp. nec	0	0	0	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---
3276 metallic salts	0	0	0	---
3282 pigments & paints	0	---	0	---
3284 medicines	0	---	0	---
3285 perfumes & cleansers	0	---	0	---
3286 plastics	0	---	0	---
3297 chemical additives	0	---	0	---
Total crude materials, inedible except fuels	902	451	1	450
Subtotal forest products, wood and chips	6	---	0	6
4161 wood chips	0	---	0	---
4189 lumber	6	---	0	6
Subtotal pulp and waste paper	32	32	---	---
4225 pulp & waste paper	32	32	---	---
Subtotal soil, sand, gravel, rock and stone	445	28	---	417
4323 gypsum	445	28	---	417
Subtotal non-ferrous ores and scrap	60	60	---	---
4650 aluminum ore	60	60	---	---
Subtotal sulphur, clay and salt	1	---	1	---
4782 clay & refrac. mat.	1	---	1	---
Subtotal slag	32	32	---	---
4860 slag	32	32	---	---
Subtotal other non-metal. min.	326	299	---	27
4900 non-metal. min. nec	326	299	---	27
Total primary manufactured goods	290	290	0	---
Subtotal paper products	0	0	0	---
5120 paper & paperboard	0	0	0	---
5190 paper products nec	0	---	0	---
Subtotal lime, cement and glass	283	283	---	---
5220 cement & concrete	283	283	---	---
5290 misc. mineral prod.	0	0	---	---
Subtotal primary iron and steel products	7	7	0	---
5330 i&s plates & sheets	6	6	---	---
5360 i&s bars & shapes	0	0	---	---
5370 i&s pipe & tube	0	0	0	---
5390 primary i&s nec	0	0	---	---
Subtotal primary non-ferrous metal products	0	0	0	---
5429 smelted prod. nec	0	0	0	---
5480 fab. metal products	0	0	0	---
Total food and farm products	551	79	472	---
Subtotal grain	471	---	471	---
6241 wheat	44	---	44	---
6344 corn	428	---	428	---
Subtotal vegetable products	0	---	0	---
6653 vegetable oils	0	---	0	---
Subtotal processed grain and animal feed	0	---	0	---
6782 animal feed, prep.	0	---	0	---
Subtotal other agricultural products	79	79	0	---
6835 fish, prepared	0	0	---	---
6857 fruit & nuts nec	0	---	0	---
6861 sugar	33	33	---	---
6865 molasses	46	46	---	---

HUDSON RIVER, NY, MOUTH OF SPUYTEN DUYPIL CREEK (HARLEM RIVER) TO WATERFORD, NY
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports	Imports
6885 alcoholic beverages	0	0	—	—
Total all manufactured equipment, machinery and products	11	1	10	—
7110 machinery (not elec)	10	1	9	—
7120 electrical machinery	1	0	1	—
7400 manufac. wood prod.	0	—	0	—
7500 textile products	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) Foreign & Canadian	201,698	96,465	55,560	49,674

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	15,582	1,649	3,142	7,318	3,083	202	188
Total coal	231	231	—	—	—	—	—
1100 coal lignite	231	231	—	—	—	—	—
Total petroleum and petroleum products	8,746	1,007	70	7,311	100	202	56
Subtotal petroleum products	8,746	1,007	70	7,311	100	202	56
2211 gasoline	4,126	192	13	3,917	4	—	—
2221 kerosene	260	16	—	241	—	3	—
2330 distillate fuel oil	2,873	197	54	2,292	81	193	56
2340 residual fuel oil	1,099	390	3	684	15	7	—
2430 asphalt, tar & pitch	377	211	—	166	—	—	—
2990 petro. products nec	11	—	—	11	—	—	—
Total chemicals and related products	14	7	—	8	—	—	—
Subtotal other chemicals and related products	14	7	—	8	—	—	—
3212 benzene & toluene	7	7	—	—	—	—	—
3297 chemical additives	8	—	—	8	—	—	—
Total crude materials, inedible except fuels	4,231	—	1,534	—	2,565	—	132
Subtotal soil, sand, gravel, rock and stone	4,231	—	1,534	—	2,564	—	132
4331 sand & gravel	4,231	—	1,534	—	2,564	—	132
Subtotal iron ore and scrap	1	—	—	—	1	—	—
4420 iron & steel scrap	1	—	—	—	1	—	—
Total primary manufactured goods	1,955	—	1,537	—	418	—	—
Subtotal lime, cement and glass	1,955	—	1,537	—	418	—	—
5220 cement & concrete	1,955	—	1,537	—	418	—	—
Total food and farm products	404	404	—	—	—	—	—
Subtotal other agricultural products	404	404	—	—	—	—	—
6861 sugar	404	404	—	—	—	—	—
Ton-miles (x1000) Domestic	1,032,084	91,416	210,372	585,979	130,324	6,975	7,018
Tons All Traffic (x1000)		17,536					
Ton-miles All Traffic (x1000)		1,233,784					

*Includes 6 (x1000) tons of foreign 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
1990	19,288	1993	17,529	1996	17,473	1999	18,472
1991	18,665	1994	16,732	1997	18,630		
1992	16,950	1995	15,822	1998	19,158		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
Total, all commodities	2,007	1,062	495	450
Total coal	114	114	---	---
1100 coal lignite	114	114	---	---
Total petroleum and petroleum products	85	85	0	---
Subtotal petroleum products	85	85	0	---
2211 gasoline	15	15	---	---
2330 distillate fuel oil	17	17	---	---
2340 residual fuel oil	39	39	---	---
2350 lube oil & greases	0	---	0	---
2540 petroleum coke	14	14	---	---
Total chemicals and related products	1	0	1	---
Subtotal other chemicals and related products	1	0	1	---
3220 alcohols	0	---	0	---
3230 carboxylic acids	0	0	---	---
3240 nitrogen func. comp.	0	---	0	---
3250 organo - inorg. comp.	0	---	0	---
3260 organic comp. nec	0	0	0	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---
3276 metallic salts	0	0	0	---
3282 pigments & paints	0	---	0	---
3283 coloring mat. nec	0	0	0	---
3284 medicines	0	0	0	---
3285 perfumes & cleansers	0	0	0	---
3286 plastics	0	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	904	451	3	450
Subtotal forest products, wood and chips	6	0	0	6
4161 wood chips	0	---	0	---
4170 wood in the rough	0	---	0	---
4189 lumber	6	---	0	6
4190 forest products nec	0	0	---	---
Subtotal pulp and waste paper	34	32	2	---
4225 pulp & waste paper	34	32	2	---
Subtotal soil, sand, gravel, rock and stone	445	28	---	417
4323 gypsum	445	28	---	417
Subtotal non-ferrous ores and scrap	60	60	---	---
4650 aluminum ore	60	60	---	---
Subtotal sulphur, clay and salt	1	---	1	---
4782 clay & refrac. mat.	1	---	1	---
Subtotal slag	32	32	---	---
4860 slag	32	32	---	---
Subtotal other non-metal. min.	327	299	0	27
4900 non-metal. min. nec	327	299	0	27
Total primary manufactured goods	326	326	0	---
Subtotal paper products	0	0	0	---
5120 paper & paperboard	0	0	0	---
5190 paper products nec	0	0	0	---
Subtotal lime, cement and glass	283	283	0	---
5220 cement & concrete	283	283	---	---
5240 glass & glass prod.	0	0	0	---
5290 misc. mineral prod.	0	0	0	---
Subtotal primary iron and steel products	42	42	0	---
5330 i&s plates & sheets	6	6	0	---
5360 i&s bars & shapes	0	0	0	---
5370 i&s pipe & tube	1	1	0	---
5390 primary i&s nec	35	35	---	---
Subtotal primary non-ferrous metal products	1	1	0	---
5429 smelted prod. nec	0	0	0	---
5480 fab. metal products	1	1	0	---
Subtotal primary wood products	0	---	0	---
5540 primary wood prod.	0	---	0	---
Total food and farm products	559	80	479	---
Subtotal fish	0	0	0	---
6134 fish (not shellfish)	0	0	0	---
6136 shellfish	0	0	0	---
Subtotal grain	471	---	471	---
6241 wheat	44	---	44	---
6344 corn	428	---	428	---

HUDSON RIVER, NY, DEEPWATER IN UPPER BAY, NY TO WATERFORD, NY (CONSOLIDATED REPORT)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
Subtotal vegetable products	0	0	0	---
6653 vegetable oils	0	---	0	---
6654 vegetables & prod.	0	0	0	---
Subtotal processed grain and animal feed	1	0	0	---
6747 grain mill products	0	0	0	---
6782 animal feed, prep.	0	---	0	---
Subtotal other agricultural products	86	80	6	---
6811 meat, fresh, frozen	0	---	0	---
6817 meat, prepared	0	---	0	---
6822 dairy products	0	---	0	---
6835 fish, prepared	0	0	---	---
6838 tallow, animal oils	1	---	1	---
6839 animals & prod. nec	0	0	---	---
6857 fruit & nuts nec	0	0	0	---
6858 fruit juices	0	0	0	---
6861 sugar	33	33	---	---
6865 molasses	46	46	---	---
6872 cocoa beans	1	1	---	---
6885 alcoholic beverages	0	0	0	---
6889 food products nec	5	0	4	---
6893 cotton	0	---	0	---
6894 natural fibers nec	0	0	---	---
6899 farm products nec	0	---	0	---
Total all manufactured equipment, machinery and products	16	5	12	---
7110 machinery (not elec)	13	3	10	---
7120 electrical machinery	1	0	1	---
7210 vehicles & parts	0	0	0	---
7400 manufac. wood prod.	0	0	0	---
7500 textile products	1	0	0	---
7600 rubber & plastic pr.	0	0	0	---
7900 manufac. prod. nec	1	1	0	---
Total unknown or not elsewhere classified	0	0	0	---
9900 unknown or nec	0	0	0	---
Ton-miles (x1000) Foreign & Canadian	201,919	96,632	55,613	49,674

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound	Outbound	Intra	
				Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	16,465	1,649	3,142	7,614	3,670	202	188
Total coal	231	231	---	---	---	---	---
1100 coal lignite	231	231	---	---	---	---	---
Total petroleum and petroleum products	9,043	1,007	70	7,606	100	202	56
Subtotal petroleum products	9,043	1,007	70	7,606	100	202	56
2211 gasoline	4,133	192	13	3,924	4	---	---
2221 kerosene	281	16	---	262	---	3	---
2330 distillate fuel oil	2,979	197	54	2,398	81	193	56
2340 residual fuel oil	1,261	390	3	846	15	7	---
2350 lube oil & greases	0	---	---	0	---	---	---
2430 asphalt, tar & pitch	377	211	---	166	---	---	---
2990 petro. products nec	11	---	---	11	0	---	---
Total chemicals and related products	15	7	---	8	0	---	---
Subtotal other chemicals and related products	15	7	---	8	0	---	---
3212 benzene & toluene	7	7	---	---	---	---	---
3297 chemical additives	8	---	---	8	---	---	---
3299 chem. products nec	1	---	---	0	0	---	---
Total crude materials, inedible except fuels	4,238	---	1,534	0	2,572	---	132
Subtotal forest products, wood and chips	0	---	---	0	---	---	---
4170 wood in the rough	0	---	---	0	---	---	---
Subtotal soil, sand, gravel, rock and stone	4,231	---	1,534	---	2,564	---	132
4331 sand & gravel	4,231	---	1,534	---	2,564	---	132
Subtotal iron ore and scrap	8	---	---	---	8	---	---
4420 iron & steel scrap	8	---	---	---	8	---	---
Total primary manufactured goods	1,955	---	1,537	---	418	---	---
Subtotal lime, cement and glass	1,955	---	1,537	---	418	---	---
5220 cement & concrete	1,955	---	1,537	---	418	---	---

HUDSON RIVER, NY, DEEPWATER IN UPPER BAY, NY TO WATERFORD, NY (CONSOLIDATED REPORT)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total food and farm products	404	404	---	---	---	---	---
Subtotal other agricultural products	404	404	---	---	---	---	---
6861 sugar	404	404	---	---	---	---	---
Total waste and scrap nec	579	---	---	---	579	---	---
8900 waste and scrap nec	579	---	---	---	579	---	---
Ton-miles (x1000) Domestic	1,038,784	91,416	210,372	588,152	134,851	6,975	7,018
Tons All Traffic (x1000)	18,472						
Ton-miles All Traffic (x1000)	1,240,704						

*Includes 7 (x1000) tons of foreign inbound in-transits; Includes 1 (x1000) tons of foreign outbound in-transits.

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
1990	7,117	1993	6,053	1996	5,768	1999	6,402
1991	5,967	1994	6,107	1997	6,819		
1992	5,674	1995	5,803	1998	6,723		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports	Imports
Total, all commodities	1,385	587	483	315
Total petroleum and petroleum products	85	85	---	---
Subtotal petroleum products	85	85	---	---
2211 gasoline	15	15	---	---
2330 distillate fuel oil	17	17	---	---
2340 residual fuel oil	39	39	---	---
2540 petroleum coke	14	14	---	---
Total chemicals and related products	0	---	0	---
Subtotal other chemicals and related products	0	---	0	---
3220 alcohols	0	---	0	---
3240 nitrogen func. comp.	0	---	0	---
3250 organo - inorg. comp.	0	---	0	---
3260 organic comp. nec	0	---	0	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---
3276 metallic salts	0	---	0	---
3282 pigments & paints	0	---	0	---
3284 medicines	0	---	0	---
3285 perfumes & cleansers	0	---	0	---
3286 plastics	0	---	0	---
3297 chemical additives	0	---	0	---
Total crude materials, inedible except fuels	651	335	1	315
Subtotal forest products, wood and chips	0	---	0	---
4161 wood chips	0	---	0	---
4189 lumber	0	---	0	---
Subtotal pulp and waste paper	32	32	---	---
4225 pulp & waste paper	32	32	---	---
Subtotal soil, sand, gravel, rock and stone	316	28	---	288
4323 gypsum	316	28	---	288
Subtotal non-ferrous ores and scrap	18	18	---	---
4650 aluminum ore	18	18	---	---
Subtotal sulphur, clay and salt	1	---	1	---
4782 clay & refrac. mat.	1	---	1	---
Subtotal other non-metal. min.	284	257	---	27
4900 non-metal. min. nec	284	257	---	27
Total primary manufactured goods	119	119	0	---
Subtotal paper products	0	0	0	---
5120 paper & paperboard	0	0	0	---
5190 paper products nec	0	---	0	---
Subtotal lime, cement and glass	112	112	---	---
5220 cement & concrete	112	112	---	---

PORT OF ALBANY, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports	Imports
Subtotal primary iron and steel products	7	7	0	---
5330 i&s plates & sheets	6	6	---	---
5360 i&s bars & shapes	0	0	---	---
5370 i&s pipe & tube	0	0	0	---
Subtotal primary non-ferrous metal products	0	0	0	---
5429 smelted prod. nec	0	---	0	---
5480 fab. metal products	0	0	0	---
Total food and farm products	518	46	472	---
Subtotal grain	471	---	471	---
6241 wheat	44	---	44	---
6344 corn	428	---	428	---
Subtotal vegetable products	0	---	0	---
6653 vegetable oils	0	---	0	---
Subtotal processed grain and animal feed	0	---	0	---
6782 animal feed, prep.	0	---	0	---
Subtotal other agricultural products	46	46	0	---
6857 fruit & nuts nec	0	---	0	---
6865 molasses	46	46	---	---
6885 alcoholic beverages	0	0	---	---
Total all manufactured equipment, machinery and products	11	1	10	---
7110 machinery (not elec)	10	1	9	---
7120 electrical machinery	1	0	1	---
7400 manufac. wood prod.	0	---	0	---
7500 textile products	0	---	0	---
7900 manufac. prod. nec	0	---	0	---
Total unknown or not elsewhere classified	0	0	0	---
9900 unknown or nec	0	0	0	---

Commodity	Total	Domestic				
		Coastwise		Internal		Intraport
		Receipts	Shipments	Receipts	Shipments	
Total, all commodities	5,017	508	54	4,205	114	135
Total petroleum and petroleum products	5,002	501	54	4,197	114	135
Subtotal petroleum products	5,002	501	54	4,197	114	135
2211 gasoline	2,684	172	---	2,512	---	---
2221 kerosene	159	13	---	146	---	---
2330 distillate fuel oil	1,566	148	54	1,113	114	135
2340 residual fuel oil	322	73	---	250	---	---
2430 asphalt, tar & pitch	260	95	---	166	---	---
2990 petro. products nec	11	---	---	11	---	---
Total chemicals and related products	14	7	---	8	---	---
Subtotal other chemicals and related products	14	7	---	8	---	---
3212 benzene & toluene	7	7	---	---	---	---
3297 chemical additives	8	---	---	8	---	---

*Includes 6 (x1000) tons of foreign 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
1990	1,018	1993	835	1996	1,521	1999	1,223
1991	782	1994	1,094	1997	1,510		
1992	678	1995	1,051	1998	1,327		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total*	Coastwise Receipts
Total, all commodities	1,062	1,062
Total petroleum and petroleum products	532	532
Subtotal petroleum products	532	532
2211 gasoline	455	455
2221 kerosene	7	7
2330 distillate fuel oil	71	71
Total crude materials, inedible except fuels	529	529
Subtotal soil, sand, gravel, rock and stone	529	529
4331 sand & gravel	529	529

*Does not include 162 (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
1990	2,998	1993	2,433	1996	2,988	1999	2,867
1991	2,232	1994	2,101	1997	2,793		
1992	2,354	1995	2,018	1998	2,842		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign	Domestic
		Imports	Coastwise Receipts
Total, all commodities	2,867	43	2,824
Total petroleum and petroleum products	2,688	43	2,645
Subtotal petroleum products	2,688	43	2,645
2211 gasoline	1,143	—	1,143
2221 kerosene	81	—	81
2330 distillate fuel oil	1,206	—	1,206
2340 residual fuel oil	258	43	215
Total crude materials, inedible except fuels	179	—	179
Subtotal soil, sand, gravel, rock and stone	179	—	179
4331 sand & gravel	179	—	179

Other Harbors and Waterways 1999

Harbor or Waterway Project	Commodity	Thousand Short Tons
BRONX RIVER, NY (INCLUDED IN PORT OF NEW YORK)	4331 sand & gravel	75
	4420 iron & steel scrap	18
	Total Tons(x1000)	93
	Total Ton-miles(x1000)	186
BROWNS CREEK, NY	4331 sand & gravel	1
	6889 food products nec	0
	7900 manufac. prod. nec	0
	8900 waste and scrap nec	3
	Total Tons(x1000)	4
	Total Ton-miles(x1000)	4
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	2
	Total Tons(x1000)	2
	Total Ton-miles(x1000)	2
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	162
	Total Tons(x1000)	162
	Total Ton-miles(x1000)	162
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)	2340 residual fuel oil	0
	4331 sand & gravel	1
	6889 food products nec	0
	7900 manufac. prod. nec	8
	8900 waste and scrap nec	3
	Total Tons(x1000)	12
	Total Ton-miles(x1000)	93
GREENPORT HARBOR, NY	No Commerce Reported	
HARLEM RIVER, NY (INCLUDED IN PORT OF NEW YORK)	2330 distillate fuel oil	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
HUNTINGTON HARBOR, NY	No Commerce Reported	
JONES INLET, NY	No Commerce Reported	
KEYPORT HARBOR, NJ (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
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	No Commerce Reported	
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	74
	Total Tons(x1000)	<u>74</u>
	Total Ton-miles(x1000)	264
MATTITUCK HARBOR, NY	No Commerce Reported	
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	No Commerce Reported	
OROWOC CREEK, NY	No Commerce Reported	
PATCHOGUE RIVER, NY (INCLUDED IN STATISTICS FOR GREAT SOUTH BAY, NY)	No Commerce Reported	
PECONIC RIVER, NY	6887 groceries 7110 machinery (not elec)	0 0
	Total Tons(x1000)	<u>0</u>
	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)	2221 kerosene 2330 distillate fuel oil 4331 sand & gravel	0 73 1
	Total Tons(x1000)	<u>74</u>
	Total Ton-miles(x1000)	74
PORT HENRY HARBOR, NY	No Commerce Reported	
RAHWAY RIVER, NJ (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
RONDOT HARBOR, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)	2330 distillate fuel oil	54
	Total Tons(x1000)	<u>54</u>
ROUSES POINT, NY	No Commerce Reported	
SAG HARBOR, NY	No Commerce Reported	

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SANDY HOOK BAY AT LEONARDO, NJ (INCLUDED IN PORT OF NEW YORK)	2211 gasoline	0
	2330 distillate fuel oil	3
	Total Tons(x1000)	3
SANDY HOOK BAY, NJ	No Commerce Reported	
SANDY HOOK CHANNEL, NY	2330 distillate fuel oil	0
	6888 water & ice	1
	Total Tons(x1000)	1
SAUGERTIES HARBOR, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)	No Commerce Reported	
SHARK RIVER, NJ	No Commerce Reported	
SHEEPSHEAD BAY, NY	No Commerce Reported	
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	
TARRYTOWN HARBOR, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)	2330 distillate fuel oil	3
	4331 sand & gravel	132
	Total Tons(x1000)	135
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)	2211 gasoline	4
	2330 distillate fuel oil	180
	2340 residual fuel oil	2
	Total Tons(x1000)	187
	Total Ton-miles(x1000)	550
Non-project		
GOWANUS CANAL, NY (INCLUDED IN PORT OF NEW YORK)	2221 kerosene	3
	2330 distillate fuel oil	205
	2340 residual fuel oil	68
	4331 sand & gravel	155
	Total Tons(x1000)	432
Total Ton-miles(x1000)	497	
GRAVESEND BAY, NY (INCLUDED IN PORT OF NEW YORK)	2211 gasoline	44
	2221 kerosene	9
	2330 distillate fuel oil	166
	2340 residual fuel oil	154
	2350 lube oil & greases	0
	2429 naphtha & solvents	5
	3297 chemical additives	12

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
GRAVESEND BAY, NY (INCLUDED IN PORT OF NEW YORK) - continued	4331 sand & gravel	2
	8900 waste and scrap nec	198
	Total Tons(x1000)	591
	Total Ton-miles(x1000)	601
OYSTER BAY, NY	2211 gasoline	89
	2221 kerosene	3
	2330 distillate fuel oil	297
	Total Tons(x1000)	389
Total Ton-miles(x1000)	537	
SANDY HOOK BAY, NJ (INCLUDED IN PORT OF NEW YORK)	3190 fert. & mixes nec	0
	3282 pigments & paints	0
	3286 plastics	0
	4189 lumber	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	6521 peanuts	1
	6654 vegetables & prod.	0
	6782 animal feed, prep.	0
	6839 animals & prod. nec	0
	6857 fruit & nuts nec	0
	6861 sugar	0
	6871 coffee	0
	6889 food products nec	0
	6891 tobacco & products	0
	6899 farm products nec	0
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7400 manufac. wood prod.	0
	7600 rubber & plastic pr.	0
7900 manufac. prod. nec	0	
9900 unknown or nec	0	
Total Tons(x1000)	3	
Total Ton-miles(x1000)	3	

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
1990	8,604	1993	5,667	1996	6,439	1999	8,558
1991	6,027	1994	5,979	1997	6,849		
1992	5,648	1995	6,088	1998	7,765		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	3,906	3,277	96	463	71
Total coal	69	48	20	---	---
1100 coal lignite	20	---	20	---	---
1200 coal coke	48	48	---	---	---
Total petroleum and petroleum products	589	527	5	28	28
Subtotal crude petroleum	52	52	---	---	---
2100 crude petroleum	52	52	---	---	---
Subtotal petroleum products	537	475	5	28	28
2330 distillate fuel oil	41	41	---	---	---
2340 residual fuel oil	476	419	0	28	28
2350 lube oil & greases	10	9	1	---	---
2410 petro. jelly & waxes	7	6	0	---	---
2429 naphtha & solvents	0	---	0	---	---
2430 asphalt, tar & pitch	4	---	4	---	---
2540 petroleum coke	0	---	0	---	---
Total chemicals and related products	152	83	31	---	38
Subtotal fertilizers	38	0	0	---	38
3110 nitrogenous fert.	38	---	---	---	38
3130 potassic fert.	0	0	---	---	---
3190 fert. & mixes nec	0	---	0	---	---
Subtotal other chemicals and related products	114	83	31	---	---
3211 acyclic hydrocarbons	10	---	10	---	---
3219 other hydrocarbons	7	6	1	---	---
3220 alcohols	28	25	3	---	---
3230 carboxylic acids	20	20	0	---	---
3240 nitrogen func. comp.	0	0	0	---	---
3250 organo - inorg. comp.	0	0	0	---	---
3260 organic comp. nec	21	13	8	---	---
3274 sodium hydroxide	7	7	---	---	---
3275 inorg. elem., oxides, & halogen salts	4	4	0	---	---
3276 metallic salts	1	0	1	---	---
3279 inorganic chem. nec	1	1	---	---	---
3282 pigments & paints	1	0	1	---	---
3283 coloring mat. nec	0	0	0	---	---
3284 medicines	0	0	0	---	---
3285 perfumes & cleansers	3	2	1	---	---
3286 plastics	6	3	3	---	---
3291 pesticides	0	---	0	---	---
3292 starches, gluten, glue	1	1	0	---	---
3297 chemical additives	1	---	1	---	---
3298 wood & resin chem.	1	1	---	---	---
3299 chem. products nec	1	0	1	---	---
Total crude materials, inedible except fuels	811	369	7	435	---
Subtotal forest products, wood and chips	4	4	0	---	---
4170 wood in the rough	0	0	---	---	---
4189 lumber	4	4	0	---	---
4190 forest products nec	0	0	0	---	---
Subtotal pulp and waste paper	7	4	3	---	---
4225 pulp & waste paper	7	4	3	---	---
Subtotal soil, sand, gravel, rock and stone	580	143	2	435	---
4310 building stone	0	0	---	---	---
4322 limestone	0	---	0	---	---
4323 gypsum	578	143	0	435	---
4327 phosphate rock	2	---	2	---	---
4331 sand & gravel	0	0	---	---	---
Subtotal iron ore and scrap	0	0	---	---	---
4420 iron & steel scrap	0	0	---	---	---
Subtotal non-ferrous ores and scrap	5	4	0	---	---
4650 aluminum ore	0	---	0	---	---
4680 non-ferrous scrap	1	1	---	---	---
4690 non-ferrous ores nec	3	3	0	---	---
Subtotal sulphur, clay and salt	0	---	0	---	---
4782 clay & refrac. mat.	0	---	0	---	---
Subtotal slag	47	47	---	---	---
4860 slag	47	47	---	---	---
Subtotal other non-metal. min.	168	166	2	---	---
4900 non-metal. min. nec	168	166	2	---	---

DELAWARE RIVER BETWEEN PHILADELPHIA, PA, AND TRENTON, NJ
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total primary manufactured goods	1,952	1,936	12	0	5
Subtotal paper products	21	12	9	0	0
5110 newsprint	2	2	0	—	—
5120 paper & paperboard	13	9	4	0	0
5190 paper products nec	6	1	5	—	0
Subtotal lime, cement and glass	295	294	1	—	—
5220 cement & concrete	291	291	0	—	—
5240 glass & glass prod.	1	1	0	—	—
5290 misc. mineral prod.	3	2	1	—	—
Subtotal primary iron and steel products	1,621	1,615	0	—	5
5312 pig iron	0	—	0	—	—
5315 ferro alloys	0	0	0	—	—
5320 i&s primary forms	1,198	1,198	—	—	—
5330 i&s plates & sheets	291	286	0	—	5
5360 i&s bars & shapes	46	46	—	—	—
5370 i&s pipe & tube	4	4	0	—	—
5390 primary i&s nec	80	80	—	—	—
Subtotal primary non-ferrous metal products	8	7	1	—	—
5421 copper	0	0	0	—	—
5422 aluminum	2	2	1	—	—
5429 smelted prod. nec	1	1	0	—	—
5480 fab. metal products	4	4	0	—	—
Subtotal primary wood products	7	7	0	—	—
5540 primary wood prod.	7	7	0	—	—
Total food and farm products	273	263	10	—	—
Subtotal fish	4	4	0	—	—
6134 fish (not shellfish)	2	2	0	—	—
6136 shellfish	2	2	—	—	—
Subtotal grain	19	19	—	—	—
6344 corn	19	19	—	—	—
Subtotal oilseeds	12	12	0	—	—
6521 peanuts	0	0	—	—	—
6522 soybeans	11	11	—	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	1	1	0	—	—
Subtotal vegetable products	8	4	4	—	—
6653 vegetable oils	0	0	0	—	—
6654 vegetables & prod.	8	4	4	—	—
Subtotal processed grain and animal feed	1	0	1	—	—
6747 grain mill products	0	0	0	—	—
6781 hay & fodder	0	—	0	—	—
6782 animal feed, prep.	1	0	1	—	—
Subtotal other agricultural products	229	224	5	—	—
6811 meat, fresh, frozen	22	22	0	—	—
6817 meat, prepared	13	13	0	—	—
6822 dairy products	1	0	1	—	—
6835 fish, prepared	0	0	—	—	—
6838 tallow, animal oils	0	—	0	—	—
6839 animals & prod. nec	2	2	1	—	—
6856 bananas & plantains	19	19	—	—	—
6857 fruit & nuts nec	130	129	0	—	—
6858 fruit juices	3	3	0	—	—
6871 coffee	6	6	—	—	—
6872 cocoa beans	12	12	0	—	—
6885 alcoholic beverages	1	1	0	—	—
6889 food products nec	17	16	1	—	—
6891 tobacco & products	0	0	—	—	—
6894 natural fibers nec	0	0	—	—	—
6899 farm products nec	2	0	2	—	—
Total all manufactured equipment, machinery and products	60	50	10	—	—
7110 machinery (not elec)	16	15	2	—	—
7120 electrical machinery	4	3	1	—	—
7210 vehicles & parts	14	10	4	—	—
7220 aircraft & parts	0	—	0	—	—
7230 ships & boats	0	—	0	—	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	2	2	0	—	—
7500 textile products	3	2	1	—	—
7600 rubber & plastic pr.	7	6	1	—	—
7900 manufac. prod. nec	13	12	1	—	—

DELAWARE RIVER BETWEEN PHILADELPHIA, PA, AND TRENTON, NJ
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total unknown or not elsewhere classified	1	0	0	---	---
9900 unknown or nec	1	0	0	---	---
Ton-miles (x1000) Foreign & Canadian	84,679	75,276	1,078	6,967	1,358

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	4,652	444	432	3,020	614	137	5
Total coal	1,010	---	---	1,010	---	---	---
1100 coal lignite	1,010	---	---	1,010	---	---	---
Total petroleum and petroleum products	2,222	216	21	1,345	599	41	---
Subtotal petroleum products	2,222	216	21	1,345	599	41	---
2211 gasoline	813	43	0	762	---	8	---
2221 kerosene	16	---	4	10	2	---	---
2330 distillate fuel oil	435	27	0	356	48	4	---
2340 residual fuel oil	906	105	14	213	546	29	---
2350 lube oil & greases	4	2	2	0	---	---	---
2410 petro. jelly & waxes	43	39	0	4	---	---	---
2429 naphtha & solvents	4	---	0	---	3	---	---
2430 asphalt, tar & pitch	1	0	0	---	---	---	---
2540 petroleum coke	0	---	0	---	---	---	---
2640 liquid natural gas	1	0	1	---	---	---	---
Total chemicals and related products	1,120	145	196	664	14	97	5
Subtotal fertilizers	0	---	0	---	---	---	---
3110 nitrogenous fert.	0	---	0	---	---	---	---
3130 potassic fert.	0	---	0	---	---	---	---
3190 fert. & mixes nec	0	---	0	---	---	---	---
Subtotal other chemicals and related products	1,120	145	196	664	14	97	5
products							
3211 acyclic hydrocarbons	0	---	0	---	---	---	---
3212 benzene & toluene	2	---	---	2	---	---	---
3219 other hydrocarbons	795	44	0	654	---	97	---
3220 alcohols	68	21	25	3	14	---	5
3230 carboxylic acids	13	8	5	---	---	---	---
3240 nitrogen func. comp.	1	---	1	---	---	---	---
3250 organo - inorg. comp.	0	---	0	---	---	---	---
3260 organic comp. nec	134	1	133	---	---	---	---
3272 sulphuric acid	0	---	0	---	---	---	---
3273 ammonia	0	---	0	---	---	---	---
3274 sodium hydroxide	6	---	0	5	---	---	---
3275 inorg. elem., oxides, & halogen salts	2	1	1	---	---	---	---
3276 metallic salts	2	0	2	---	---	---	---
3279 inorganic chem. nec	0	---	0	---	---	---	---
3282 pigments & paints	3	0	3	---	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---	---
3284 medicines	32	27	5	---	---	---	---
3285 perfumes & cleansers	16	6	9	---	---	---	---
3286 plastics	9	1	8	---	---	---	---
3291 pesticides	0	0	0	---	---	---	---
3292 starches, gluten, glue	3	1	2	---	---	---	---
3297 chemical additives	28	28	---	---	---	---	---
3299 chem. products nec	7	6	1	---	---	---	---
Total crude materials, inedible except fuels	14	3	11	---	---	---	---
Subtotal forest products, wood and chips	2	0	2	---	---	---	---
4110 rubber & gums	0	---	0	---	---	---	---
4150 fuel wood	0	---	0	---	---	---	---
4170 wood in the rough	0	---	0	---	---	---	---
4189 lumber	0	0	---	---	---	---	---
4190 forest products nec	2	0	2	---	---	---	---
Subtotal pulp and waste paper	0	---	0	---	---	---	---
4225 pulp & waste paper	0	---	0	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	3	---	3	---	---	---	---
4322 limestone	3	---	3	---	---	---	---
4323 gypsum	0	---	0	---	---	---	---
4327 phosphate rock	0	---	0	---	---	---	---
4331 sand & gravel	0	---	0	---	---	---	---
Subtotal iron ore and scrap	2	2	---	---	---	---	---
4420 iron & steel scrap	2	2	---	---	---	---	---
Subtotal non-ferrous ores and scrap	0	0	0	---	---	---	---
4650 aluminum ore	0	---	0	---	---	---	---
4680 non-ferrous scrap	0	0	---	---	---	---	---

DELAWARE RIVER BETWEEN PHILADELPHIA, PA, AND TRENTON, NJ
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
4690 non-ferrous ores nec	0	—	0	—	—	—	—
Subtotal sulphur, clay and salt	0	—	0	—	—	—	—
4741 sulphur, (dry)	0	—	0	—	—	—	—
4782 clay & refrac. mat.	0	—	0	—	—	—	—
Subtotal slag	0	0	0	—	—	—	—
4860 slag	0	0	0	—	—	—	—
Subtotal other non-metal. min.	5	—	5	—	—	—	—
4900 non-metal. min. nec	5	—	5	—	—	—	—
Total primary manufactured goods	48	12	36	0	0	—	—
Subtotal paper products	14	2	13	—	—	—	—
5110 newsprint	1	0	1	—	—	—	—
5120 paper & paperboard	7	0	7	—	—	—	—
5190 paper products nec	7	1	5	—	—	—	—
Subtotal lime, cement and glass	6	0	6	—	—	—	—
5220 cement & concrete	0	0	0	—	—	—	—
5240 glass & glass prod.	5	0	5	—	—	—	—
5290 misc. mineral prod.	1	0	1	—	—	—	—
Subtotal primary iron and steel products	15	9	5	—	—	—	—
5330 i&s plates & sheets	0	—	0	—	—	—	—
5360 i&s bars & shapes	0	—	0	—	—	—	—
5370 i&s pipe & tube	4	—	4	—	—	—	—
5390 primary i&s nec	10	9	1	—	—	—	—
Subtotal primary non-ferrous metal products	13	1	12	0	0	—	—
5421 copper	0	0	0	—	—	—	—
5422 aluminum	2	0	2	—	—	—	—
5429 smelted prod. nec	3	—	3	—	—	—	—
5480 fab. metal products	8	1	7	0	0	—	—
Subtotal primary wood products	1	—	1	—	—	—	—
5540 primary wood prod.	1	—	1	—	—	—	—
Total food and farm products	137	42	94	1	—	—	—
Subtotal fish	5	5	0	—	—	—	—
6134 fish (not shellfish)	5	5	—	—	—	—	—
6136 shellfish	0	—	0	—	—	—	—
Subtotal grain	0	—	0	—	—	—	—
6344 corn	0	—	0	—	—	—	—
Subtotal oilseeds	0	—	0	—	—	—	—
6521 peanuts	0	—	0	—	—	—	—
Subtotal vegetable products	14	6	8	—	—	—	—
6653 vegetable oils	0	0	0	—	—	—	—
6654 vegetables & prod.	14	6	8	—	—	—	—
Subtotal processed grain and animal feed	7	0	7	—	—	—	—
6746 wheat flour	1	—	1	—	—	—	—
6747 grain mill products	5	0	5	—	—	—	—
6781 hay & fodder	0	—	0	—	—	—	—
6782 animal feed, prep.	1	0	1	—	—	—	—
Subtotal other agricultural products	110	31	78	1	—	—	—
6811 meat, fresh, frozen	5	0	5	—	—	—	—
6817 meat, prepared	5	0	5	—	—	—	—
6822 dairy products	10	—	10	—	—	—	—
6835 fish, prepared	14	14	0	—	—	—	—
6838 tallow, animal oils	0	—	0	—	—	—	—
6839 animals & prod. nec	2	0	2	—	—	—	—
6857 fruit & nuts nec	2	1	1	—	—	—	—
6858 fruit juices	7	1	6	—	—	—	—
6861 sugar	1	—	1	—	—	—	—
6865 molasses	0	0	—	—	—	—	—
6871 coffee	0	0	—	—	—	—	—
6872 cocoa beans	2	2	—	—	—	—	—
6885 alcoholic beverages	1	1	1	—	—	—	—
6887 groceries	15	1	14	0	—	—	—
6888 water & ice	3	—	2	1	—	—	—
6889 food products nec	42	11	31	—	—	—	—
6891 tobacco & products	2	2	0	—	—	—	—
6893 cotton	0	—	0	—	—	—	—
6899 farm products nec	0	—	0	—	—	—	—
Total all manufactured equipment, machinery and products	99	25	74	—	—	—	—
7110 machinery (not elec)	6	2	5	—	—	—	—
7120 electrical machinery	13	7	6	—	—	—	—
7210 vehicles & parts	1	0	1	—	—	—	—
7220 aircraft & parts	0	0	—	—	—	—	—
7230 ships & boats	0	0	—	—	—	—	—
7300 ordnance & access.	0	—	0	—	—	—	—
7400 manufac. wood prod.	2	0	1	—	—	—	—
7500 textile products	12	3	8	—	—	—	—
7600 rubber & plastic pr.	9	2	8	—	—	—	—
7800 empty containers	0	0	0	—	—	—	—
7900 manufac. prod. nec	55	10	45	—	—	—	—

DELAWARE RIVER BETWEEN PHILADELPHIA, PA, AND TRENTON, NJ
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total waste and scrap nec	1	0	0	---	---	---	---
8900 waste and scrap nec	1	0	0	---	---	---	---
Total unknown or not elsewhere classified	2	1	1	---	---	---	---
9900 unknown or nec	2	1	1	---	---	---	---
Ton-miles (x1000) Domestic	49,364	614	837	47,133	283	487	10
Tons All Traffic (x1000)	8,558						
Ton-miles All Traffic (x1000)	134,043						

*Includes 39 (x1000) tons of foreign inbound in-transits; Includes 18 (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
1990	125,594	1993	120,510	1996	103,959	1999	111,099
1991	109,917	1994	120,416	1997	112,245		
1992	113,168	1995	121,092	1998	115,709		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total, all commodities	71,170	56,880	789	6,230	650	5,122	77	1,332	90
Total coal	130	40	3	66	21	---	---	---	---
1100 coal lignite	54	32	0	---	21	---	---	---	---
1200 coal coke	76	8	2	66	---	---	---	---	---
Total petroleum and petroleum products	55,193	48,704	222	795	229	4,725	65	404	48
Subtotal crude petroleum	52,534	47,404	---	52	---	4,699	4	376	---
2100 crude petroleum	52,534	47,404	---	52	---	4,699	4	376	---
Subtotal petroleum products	2,659	1,301	222	744	229	27	61	28	48
2211 gasoline	290	263	27	---	---	---	---	---	---
2221 kerosene	16	14	---	---	---	---	2	---	---
2330 distillate fuel oil	224	123	46	55	---	---	---	---	---
2340 residual fuel oil	1,534	784	---	666	0	---	27	28	28
2350 lube oil & greases	49	9	24	9	2	---	---	---	4
2410 petro. jelly & waxes	9	0	1	6	1	---	---	---	---
2429 naphtha & solvents	138	100	0	---	3	19	---	---	15
2430 asphalt, tar & pitch	21	5	12	---	4	---	---	---	---
2540 petroleum coke	345	1	88	7	209	7	32	---	---
2640 liquid natural gas	34	---	23	---	11	---	---	---	---
Total chemicals and related products	1,279	784	133	241	56	0	0	28	38
Subtotal fertilizers	161	75	1	45	2	0	---	---	38
3110 nitrogenous fert.	151	69	0	45	0	0	---	---	38
3120 phosphatic fert.	5	5	---	---	---	---	---	---	---
3130 potassic fert.	0	---	---	0	0	---	---	---	---

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
3190 fert. & mixes nec	4	2	1	—	2	—	—	—	—
Subtotal other chemicals and related products	1,118	708	132	196	54	0	0	28	—
3211 acyclic hydrocarbons	154	97	10	37	10	—	—	—	—
3212 benzene & toluene	122	58	—	36	—	0	—	28	—
3219 other hydrocarbons	27	12	9	6	1	—	—	—	—
3220 alcohols	73	39	4	28	3	—	—	—	—
3230 carboxylic acids	34	12	2	20	0	0	—	—	—
3240 nitrogen func. comp.	10	1	8	0	1	—	—	—	—
3250 organo - inorg. comp.	3	1	2	0	0	—	—	—	—
3260 organic comp. nec	398	359	5	26	8	—	—	—	—
3272 sulphuric acid	0	—	0	—	—	—	—	—	—
3274 sodium hydroxide	50	35	0	14	0	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	27	18	5	4	0	—	—	—	—
3276 metallic salts	31	6	4	16	5	—	—	—	—
3279 inorganic chem. nec	3	0	1	1	0	—	—	—	—
3281 radioactive material	1	0	0	—	—	—	—	—	—
3282 pigments & paints	27	5	19	0	4	—	—	—	—
3283 coloring mat. nec	2	2	0	0	0	—	—	—	—
3284 medicines	10	5	4	0	0	—	0	—	—
3285 perfumes & cleansers	15	4	6	2	3	0	—	—	—
3286 plastics	82	27	39	3	12	—	—	—	—
3291 pesticides	4	2	1	—	0	—	—	—	—
3292 starches, gluten, glue	26	22	2	1	2	—	—	—	—
3293 explosives	0	—	0	—	—	—	—	—	—
3297 chemical additives	4	0	3	—	1	—	—	—	—
3298 wood & resin chem.	1	0	0	1	0	—	—	—	—
3299 chem. products nec	15	2	9	0	3	0	—	—	—
Total crude materials, inedible except fuels	2,750	706	84	673	45	332	11	900	—
Subtotal forest products, wood and chips	90	39	3	5	3	6	—	34	—
4110 rubber & gums	4	4	0	—	—	—	—	—	—
4170 wood in the rough	1	0	0	0	0	—	—	—	—
4189 lumber	83	34	2	4	3	6	—	34	—
4190 forest products nec	2	1	1	0	0	—	—	—	—
Subtotal pulp and waste paper	142	73	22	4	32	—	11	—	—
4225 pulp & waste paper	142	73	22	4	32	—	11	—	—
Subtotal soil, sand, gravel, rock and stone	1,317	14	3	143	3	288	—	865	—
4310 building stone	1	—	1	0	0	—	—	—	—
4322 limestone	1	1	0	—	0	—	—	—	—
4323 gypsum	1,308	11	0	143	0	288	—	865	—
4327 phosphate rock	2	—	—	—	2	—	—	—	—
4331 sand & gravel	4	2	2	0	0	—	—	—	—
Subtotal iron ore and scrap	121	96	25	0	—	—	—	—	—
4410 iron ore	96	96	0	—	—	—	—	—	—
4420 iron & steel scrap	25	0	25	0	—	—	—	—	—
Subtotal non-ferrous ores and scrap	144	66	2	75	0	—	—	—	—

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
4630 copper ore	0	—	0	—	—	—	—	—	—
4650 aluminum ore	48	47	0	—	0	—	—	—	—
4680 non-ferrous scrap	31	1	1	29	0	—	—	—	—
4690 non-ferrous ores nec	66	18	1	47	0	—	—	—	—
Subtotal sulphur, clay and salt	76	43	9	24	1	—	—	—	—
4741 sulphur, (dry)	1	1	—	—	—	—	—	—	—
4782 clay & refrac. mat.	75	42	9	24	1	—	—	—	—
Subtotal slag	47	—	—	47	—	—	—	—	—
4860 slag	47	—	—	47	—	—	—	—	—
Subtotal other non-metal. min.	813	374	20	375	6	38	—	—	—
4900 non-metal. min. nec	813	374	20	375	6	38	—	—	—
Total primary manufactured goods	7,036	4,577	147	2,143	101	62	1	0	5
Subtotal paper products	845	609	80	12	82	61	1	0	0
5110 newsprint	107	46	0	2	2	57	—	—	—
5120 paper & paperboard	716	562	73	9	68	4	1	0	0
5190 paper products nec	22	1	7	1	11	0	—	—	0
Subtotal lime, cement and glass	520	190	15	308	6	—	—	—	—
5210 lime	0	—	0	—	—	—	—	—	—
5220 cement & concrete	384	92	0	291	1	—	—	—	—
5240 glass & glass prod.	24	17	6	1	1	—	—	—	—
5290 misc. mineral prod.	112	81	10	16	5	—	—	—	—
Subtotal primary iron and steel products	5,137	3,350	28	1,750	4	—	—	—	5
5312 pig iron	1	0	0	—	0	—	—	—	—
5315 ferro alloys	54	54	—	0	0	—	—	—	—
5320 i&s primary forms	3,094	1,895	0	1,198	0	—	—	—	—
5330 i&s plates & sheets	1,359	1,028	19	304	3	—	—	—	5
5360 i&s bars & shapes	437	277	3	156	0	—	—	—	—
5370 i&s pipe & tube	96	80	5	11	0	—	—	—	—
5390 primary i&s nec	97	15	0	81	0	—	—	—	—
Subtotal primary non-ferrous metal products	151	53	24	66	8	0	—	—	—
5421 copper	17	13	0	0	3	0	—	—	—
5422 aluminum	39	20	15	3	1	0	—	—	—
5429 smelted prod. nec	70	9	5	56	0	—	—	—	—
5480 fab. metal products	25	11	4	7	3	0	—	—	—
Subtotal primary wood products	383	374	0	7	1	0	—	—	—
5540 primary wood prod.	383	374	0	7	1	0	—	—	—
Total food and farm products	4,253	1,956	90	2,122	83	2	—	—	0
Subtotal fish	39	11	4	19	5	0	—	—	—
6134 fish (not shellfish)	31	8	4	15	5	0	—	—	—
6136 shellfish	8	3	0	4	0	—	—	—	—
Subtotal grain	39	17	0	22	0	—	—	—	—
6344 corn	38	16	0	22	0	—	—	—	—
6442 rice	1	1	—	—	0	—	—	—	—
6443 barley & rye	0	—	—	—	0	—	—	—	—
6447 sorghum grains	0	0	—	—	0	—	—	—	—
Subtotal oilseeds	16	4	0	12	0	—	—	—	—
6521 peanuts	0	—	0	0	—	—	—	—	—
6522 soybeans	12	1	—	11	0	—	—	—	—

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
6534 flaxseed	0	—	—	—	0	—	—	—	—
6590 oilseeds nec	4	2	0	1	0	—	—	—	—
Subtotal vegetable products	91	18	9	33	30	1	—	—	—
6653 vegetable oils	1	0	0	0	1	—	—	—	—
6654 vegetables & prod.	90	18	9	33	29	1	—	—	—
Subtotal processed grain and animal feed	38	6	23	0	9	—	—	—	0
6746 wheat flour	1	—	0	—	1	—	—	—	—
6747 grain mill products	8	1	4	0	3	—	—	—	0
6781 hay & fodder	2	—	1	—	1	—	—	—	—
6782 animal feed, prep.	27	5	17	0	5	—	—	—	—
Subtotal other agricultural products	4,029	1,901	53	2,035	39	0	—	—	—
6811 meat, fresh, frozen	391	296	16	75	4	0	—	—	—
6817 meat, prepared	22	8	1	13	1	—	—	—	—
6822 dairy products	102	91	5	1	5	—	—	—	—
6835 fish, prepared	2	2	0	0	0	0	—	—	—
6838 tallow, animal oils	1	—	1	—	0	—	—	—	—
6839 animals & prod. nec	19	15	0	3	1	—	—	—	—
6856 bananas & plantains	1,942	613	—	1,329	—	—	—	—	—
6857 fruit & nuts nec	898	465	4	423	5	—	—	—	—
6858 fruit juices	207	49	2	153	3	—	—	—	—
6861 sugar	0	—	0	—	0	—	—	—	—
6871 coffee	14	7	—	6	0	0	—	—	—
6872 cocoa beans	289	266	10	13	0	—	—	—	—
6885 alcoholic beverages	75	71	1	1	3	0	—	—	—
6888 water & ice	2	1	0	—	1	—	—	—	—
6889 food products nec	51	10	11	17	13	0	—	—	—
6891 tobacco & products	9	5	3	0	0	—	—	—	—
6893 cotton	2	2	0	—	1	—	—	—	—
6894 natural fibers nec	0	—	0	0	0	—	—	—	—
6899 farm products nec	3	1	0	0	2	—	—	—	—
Total all manufactured equipment, machinery and products	500	110	94	189	107	1	—	—	—
7110 machinery (not elec)	74	35	18	16	5	—	—	—	—
7120 electrical machinery	31	13	8	6	4	0	—	—	—
7210 vehicles & parts	240	9	13	142	77	0	—	—	—
7220 aircraft & parts	0	0	0	—	0	—	—	—	—
7230 ships & boats	1	1	0	0	0	—	—	—	—
7300 ordnance & access.	0	0	0	0	0	—	—	—	—
7400 manufac. wood prod.	9	4	1	4	1	—	—	—	—
7500 textile products	35	8	16	3	8	0	—	—	—
7600 rubber & plastic pr.	37	15	11	6	5	0	—	—	—
7900 manufac. prod. nec	71	27	26	13	5	0	—	—	—

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total unknown or not elsewhere classified	30	4	17	1	8	0	0	---	---
9900 unknown or nec	30	4	17	1	8	0	0	---	---
Ton-miles Foreign & Canadian (x1000)	6,188,881	5,047,496	75,384	552,696	48,847	338,235	7,076	110,416	8,732

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	15,470	2,191	7,233	1,800	4,246
Total coal	1,178	9	26	---	1,143
1100 coal lignite	1,178	9	26	---	1,143
Total petroleum and petroleum products	11,564	1,336	6,724	1,069	2,434
Subtotal crude petroleum	507	92	415	---	---
2100 crude petroleum	507	92	415	---	---
Subtotal petroleum products	11,056	1,244	6,308	1,069	2,434
2211 gasoline	2,089	324	1,498	198	69
2221 kerosene	77	6	60	7	4
2330 distillate fuel oil	2,792	156	2,279	124	234
2340 residual fuel oil	4,439	351	1,664	380	2,044
2350 lube oil & greases	482	388	82	7	5
2410 petro. jelly & waxes	103	---	0	103	0
2429 naphtha & solvents	43	13	16	---	14
2430 asphalt, tar & pitch	1,006	7	685	250	64
2540 petroleum coke	12	---	12	---	0
2640 liquid natural gas	1	---	0	0	1
2990 petro. products nec	12	---	12	---	---
Total chemicals and related products	1,327	731	174	204	218
Subtotal fertilizers	12	12	0	---	0
3110 nitrogenous fert.	12	12	---	---	0
3130 potassic fert.	0	---	---	---	0
3190 fert. & mixes nec	0	---	0	---	0
Subtotal other chemicals and related products	1,315	719	174	204	218
3211 acyclic hydrocarbons	0	---	0	---	0
3212 benzene & toluene	84	---	64	20	---
3219 other hydrocarbons	98	9	33	56	0
3220 alcohols	107	26	35	21	25
3230 carboxylic acids	25	12	0	8	5
3240 nitrogen func. comp.	1	---	0	---	1
3250 organo - inorg. comp.	0	---	0	---	0
3260 organic comp. nec	157	---	0	1	156
3272 sulphuric acid	2	---	2	---	0
3273 ammonia	0	---	0	---	0
3274 sodium hydroxide	212	201	0	11	0
3275 inorg. elem., oxides, & halogen salts	12	---	10	1	1
3276 metallic salts	2	---	1	0	2
3279 inorganic chem. nec	0	---	0	---	0
3281 radioactive material	0	---	0	---	---
3282 pigments & paints	3	---	1	0	3
3283 coloring mat. nec	0	---	---	---	0
3284 medicines	33	---	1	27	5
3285 perfumes & cleansers	19	---	4	6	9
3286 plastics	13	---	4	1	8
3291 pesticides	0	---	---	0	0
3292 starches, gluten, glue	5	---	2	1	2
3293 explosives	0	---	0	---	---
3297 chemical additives	481	431	9	40	---
3298 wood & resin chem.	14	14	0	---	---
3299 chem. products nec	44	26	6	10	1
Total crude materials, inedible except fuels	132	10	34	22	66
Subtotal forest products, wood and chips	8	1	5	0	2
4110 rubber & gums	1	1	0	---	0
4150 fuel wood	0	---	---	---	0
4161 wood chips	0	---	0	---	---
4170 wood in the rough	0	---	0	---	0
4189 lumber	0	0	0	0	---
4190 forest products nec	6	---	5	0	2
Subtotal pulp and waste paper	7	7	0	---	0
4225 pulp & waste paper	7	7	0	---	0
Subtotal soil, sand, gravel, rock and stone	61	0	2	---	59
4310 building stone	0	---	0	---	---

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
4322 limestone	58	0	0	—	58
4323 gypsum	0	—	—	—	0
4327 phosphate rock	0	—	—	—	0
4331 sand & gravel	2	—	2	—	0
Subtotal iron ore and scrap	43	3	19	21	—
4420 iron & steel scrap	43	3	19	21	—
Subtotal non-ferrous ores and scrap	0	—	0	0	0
4650 aluminum ore	0	—	0	—	0
4680 non-ferrous scrap	0	—	—	0	—
4690 non-ferrous ores nec	0	—	—	—	0
Subtotal sulphur, clay and salt	0	0	0	—	0
4741 sulphur, (dry)	0	—	—	—	0
4782 clay & refrac. mat.	0	0	0	—	0
Subtotal slag	0	—	—	0	0
4860 slag	0	—	—	0	0
Subtotal other non-metal. min.	12	—	7	—	5
4900 non-metal. min. nec	12	—	7	—	5
Total primary manufactured goods	544	10	36	367	131
Subtotal paper products	23	—	8	2	13
5110 newsprint	1	—	—	0	1
5120 paper & paperboard	8	—	0	1	7
5190 paper products nec	14	—	7	1	5
Subtotal lime, cement and glass	457	1	5	350	101
5210 lime	0	—	0	—	—
5220 cement & concrete	445	—	—	349	95
5240 glass & glass prod.	8	—	3	0	5
5290 misc. mineral prod.	5	1	3	0	1
Subtotal primary iron and steel products	26	—	6	14	5
5330 i&s plates & sheets	1	—	0	—	0
5360 i&s bars & shapes	2	—	1	—	0
5370 i&s pipe & tube	6	—	2	—	4
5390 primary i&s nec	18	—	3	14	1
Subtotal primary non-ferrous metal products	34	8	13	1	12
5421 copper	1	—	1	0	0
5422 aluminum	3	—	1	0	2
5429 smelted prod. nec	6	—	3	—	3
5480 fab. metal products	24	8	9	1	7
Subtotal primary wood products	4	—	3	—	1
5540 primary wood prod.	4	—	3	—	1
Total food and farm products	384	67	103	43	172
Subtotal fish	6	—	1	5	0
6134 fish (not shellfish)	6	—	1	5	—
6136 shellfish	0	—	—	—	0
Subtotal grain	0	—	0	—	0
6344 corn	0	—	0	—	0
Subtotal oilseeds	0	—	—	—	0
6521 peanuts	0	—	—	—	0
Subtotal vegetable products	20	—	6	6	8
6653 vegetable oils	1	—	1	0	0
6654 vegetables & prod.	18	—	5	6	8
Subtotal processed grain and animal feed	22	—	15	0	7
6746 wheat flour	2	—	1	—	1
6747 grain mill products	7	—	1	0	5
6781 hay & fodder	0	—	0	—	0
6782 animal feed, prep.	13	—	12	0	1
Subtotal other agricultural products	337	67	82	32	156
6811 meat, fresh, frozen	7	—	2	0	5
6817 meat, prepared	5	—	0	0	5
6822 dairy products	23	—	13	—	10
6835 fish, prepared	15	—	0	14	0
6838 tallow, animal oils	1	—	1	—	0
6839 animals & prod. nec	3	—	2	0	2
6857 fruit & nuts nec	2	—	—	1	1
6858 fruit juices	11	—	3	1	6
6861 sugar	1	—	0	—	1
6865 molasses	0	—	—	0	—
6871 coffee	0	—	0	0	—
6872 cocoa beans	2	—	—	2	—
6885 alcoholic beverages	6	—	5	1	1
6887 groceries	112	65	32	1	14
6888 water & ice	2	—	0	—	2
6889 food products nec	144	2	21	11	109
6891 tobacco & products	3	0	1	2	0
6893 cotton	0	—	0	—	0
6899 farm products nec	0	—	0	—	0
Total all manufactured equipment, machinery and products	340	27	138	94	80
7110 machinery (not elec)	15	1	7	2	5
7120 electrical machinery	45	2	3	34	6
7210 vehicles & parts	60	2	58	0	1
7220 aircraft & parts	0	—	—	0	—
7230 ships & boats	0	—	0	0	—
7300 ordnance & access.	0	—	0	—	0

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
7400 manufac. wood prod.	5	—	4	0	1
7500 textile products	16	0	3	3	8
7600 rubber & plastic pr.	14	1	3	2	8
7800 empty containers	0	—	—	0	0
7900 manufac. prod. nec	184	21	59	53	51
Total waste and scrap nec	1	—	—	0	0
8900 waste and scrap nec	1	—	—	0	0
Total unknown or not elsewhere classified	2	—	—	1	1
9900 unknown or nec	2	—	—	1	1
Ton-miles (x1000) Coastwise	1,237,931	185,044	562,706	140,945	349,236

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	24,458	1,021	1,593	1,826	2,595	1,993	793	13,832	804
Total coal	1,343	333	—	—	—	1,010	—	—	—
1100 coal lignite	1,343	333	—	—	—	1,010	—	—	—
Total petroleum and petroleum products	21,494	670	1,526	1,551	2,409	479	538	13,760	562
Subtotal crude petroleum	12,652	—	—	66	—	—	—	12,571	15
2100 crude petroleum	12,652	—	—	66	—	—	—	12,571	15
Subtotal petroleum products	8,842	670	1,526	1,485	2,409	479	538	1,189	547
2211 gasoline	1,796	24	34	698	387	175	58	385	35
2221 kerosene	46	—	—	14	12	—	2	14	4
2330 distillate fuel oil	2,516	105	573	492	583	141	147	219	257
2340 residual fuel oil	3,481	501	887	225	638	163	327	496	242
2350 lube oil & greases	6	—	—	0	1	—	—	1	4
2410 petro. jelly & waxes	4	—	—	4	—	—	—	—	—
2429 naphtha & solvents	209	31	33	25	67	—	3	47	4
2430 asphalt, tar & pitch	761	—	—	27	721	—	—	13	—
2990 petro. products nec	23	9	—	—	—	—	—	14	—
Total chemicals and related products	1,531	13	36	274	186	501	255	61	206
Subtotal fertilizers	13	13	—	—	—	—	—	—	—
3110 nitrogenous fert.	13	13	—	—	—	—	—	—	—
Subtotal other chemicals and related products	1,518	—	36	274	186	501	255	61	206
3212 benzene & toluene	68	—	—	42	17	—	—	—	9
3219 other hydrocarbons	728	—	—	181	14	493	—	27	13
3220 alcohols	250	—	—	—	—	3	244	4	—
3272 sulphuric acid	61	—	—	—	32	—	—	—	29
3274 sodium hydroxide	54	—	3	—	10	5	—	5	32
3276 metallic salts	106	—	—	—	106	—	—	—	—
3297 chemical additives	252	—	34	51	8	—	11	25	123
Total crude materials, inedible except fuels	66	1	30	—	0	—	—	9	25
Subtotal soil, sand, gravel, rock and stone	55	—	30	—	—	—	—	—	25
4331 sand & gravel	30	—	30	—	—	—	—	—	—

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
4335 waterway improv. mat	25	—	—	—	—	—	—	—	25
Subtotal iron ore and scrap	9	—	—	—	—	—	—	9	—
4420 iron & steel scrap	9	—	—	—	—	—	—	9	—
Subtotal marine shells	1	1	0	—	0	—	—	—	—
4515 marine shells	1	1	0	—	0	—	—	—	—
Total primary manufactured goods	5	5	0	0	—	0	0	—	0
Subtotal lime, cement and glass	5	5	—	—	—	—	—	—	—
5220 cement & concrete	1	1	—	—	—	—	—	—	—
5290 misc. mineral prod.	4	4	—	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	1	0	0	0	—	0	0	—	0
5480 fab. metal products	1	0	0	0	—	0	0	—	0
Total food and farm products	18	—	—	2	0	4	—	2	11
Subtotal fish	5	—	—	1	0	4	—	—	—
6134 fish (not shellfish)	4	—	—	1	—	3	—	—	—
6136 shellfish	1	—	—	0	0	0	—	—	—
Subtotal other agricultural products	13	—	—	1	0	—	—	2	11
6887 groceries	2	—	—	0	—	—	—	—	2
6888 water & ice	11	—	—	1	0	—	—	2	9
Total all manufactured equipment, machinery and products	1	—	—	—	0	—	—	0	0
7230 ships & boats	0	—	—	—	0	—	—	—	—
7900 manufac. prod. nec	1	—	—	—	—	—	—	0	0
Ton-miles Internal (x1000)	1,072,067	12,280	24,400	30,588	44,802	54,185	20,270	876,560	8,982

Tons All Traffic (x1000) 111,099
Ton-miles All Traffic (x1000) 8,498,879

*Includes 492 (x1000) tons of foreign inbound in-transits; Includes 58 (x1000) tons of foreign outbound in-transits;
Includes 1 (x1000) tons of Canadian inbound 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
1990	4,379	1993	4,664	1996	5,765	1999	5,715
1991	5,668	1994	5,669	1997	6,570		
1992	4,855	1995	5,919	1998	5,492		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	3,306	2,716	316	212	63
Total coal	43	40	3	—	—
1100 coal lignite	33	32	0	—	—
1200 coal coke	10	8	2	—	—
Total petroleum and petroleum products	707	511	98	35	63
Subtotal crude petroleum	52	52	—	—	—
2100 crude petroleum	52	52	—	—	—

DELAWARE RIVER AT CAMDEN, NJ (INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Subtotal petroleum products	655	460	98	35	63
2221 kerosene	2	—	—	—	2
2330 distillate fuel oil	41	41	1	—	—
2340 residual fuel oil	476	419	—	28	28
2350 lube oil & greases	8	—	8	—	—
2410 petro. jelly & waxes	0	—	0	—	—
2429 naphtha & solvents	0	—	0	—	—
2430 asphalt, tar & pitch	0	—	0	—	—
2540 petroleum coke	127	—	88	7	32
Total chemicals and related products	18	3	15	0	—
Subtotal fertilizers	0	—	0	0	—
3110 nitrogenous fert.	0	—	0	0	—
3190 fert. & mixes nec	0	—	0	—	—
Subtotal other chemicals and related products	18	3	15	0	—
3219 other hydrocarbons	2	—	2	—	—
3220 alcohols	0	0	0	—	—
3230 carboxylic acids	0	0	0	0	—
3240 nitrogen func. comp.	2	—	2	—	—
3250 organo - inorg. comp.	0	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	0	0	—	—
3276 metallic salts	2	1	1	—	—
3279 inorganic chem. nec	0	0	0	—	—
3281 radioactive material	0	0	—	—	—
3282 pigments & paints	1	0	1	—	—
3283 coloring mat. nec	0	0	0	—	—
3284 medicines	0	0	0	—	—
3285 perfumes & cleansers	3	0	3	—	—
3286 plastics	3	1	2	—	—
3291 pesticides	0	—	0	—	—
3292 starches, gluten, glue	0	—	0	—	—
3297 chemical additives	1	—	1	—	—
3299 chem. products nec	1	0	1	—	—
Total crude materials, inedible except fuels	425	200	52	173	—
Subtotal forest products, wood and chips	26	18	2	6	—
4110 rubber & gums	2	2	0	—	—
4170 wood in the rough	1	0	0	—	—
4189 lumber	24	17	1	6	—
4190 forest products nec	0	0	0	—	—
Subtotal pulp and waste paper	9	—	9	—	—
4225 pulp & waste paper	9	—	9	—	—
Subtotal soil, sand, gravel, rock and stone	178	11	0	167	—
4322 limestone	1	1	0	—	—
4323 gypsum	176	9	—	167	—
4331 sand & gravel	2	2	0	—	—
Subtotal iron ore and scrap	90	65	25	—	—
4410 iron ore	66	65	0	—	—
4420 iron & steel scrap	25	—	25	—	—
Subtotal non-ferrous ores and scrap	51	51	0	—	—
4650 aluminum ore	43	43	0	—	—
4680 non-ferrous scrap	0	0	0	—	—
4690 non-ferrous ores nec	8	8	0	—	—
Subtotal sulphur, clay and salt	28	26	2	—	—
4782 clay & refrac. mat.	28	26	2	—	—
Subtotal other non-metal. min.	42	28	14	—	—
4900 non-metal. min. nec	42	28	14	—	—
Total primary manufactured goods	1,072	1,017	54	1	—
Subtotal paper products	52	11	40	1	—
5110 newsprint	11	10	0	0	—
5120 paper & paperboard	37	1	35	1	—
5190 paper products nec	5	0	5	0	—
Subtotal lime, cement and glass	84	81	4	—	—
5220 cement & concrete	53	53	0	—	—
5240 glass & glass prod.	4	4	1	—	—
5290 misc. mineral prod.	27	24	3	—	—
Subtotal primary iron and steel products	651	650	1	—	—
5312 pig iron	0	—	0	—	—
5315 ferro alloys	11	11	—	—	—
5320 i&s primary forms	17	17	0	—	—
5330 i&s plates & sheets	509	508	1	—	—
5360 i&s bars & shapes	71	71	0	—	—
5370 i&s pipe & tube	40	39	0	—	—
5390 primary i&s nec	4	3	0	—	—
Subtotal primary non-ferrous metal products	17	8	9	0	—
5421 copper	1	1	0	—	—
5422 aluminum	13	5	8	0	—
5429 smelted prod. nec	0	0	0	—	—
5480 fab. metal products	3	2	1	—	—
Subtotal primary wood products	267	267	0	0	—
5540 primary wood prod.	267	267	0	0	—

DELAWARE RIVER AT CAMDEN, NJ (INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total food and farm products	986	932	53	2	—
Subtotal fish	4	1	3	0	—
6134 fish (not shellfish)	4	0	3	0	—
6136 shellfish	0	0	0	—	—
Subtotal grain	5	5	—	—	—
6344 corn	5	5	—	—	—
Subtotal oilseeds	1	1	0	—	—
6522 soybeans	0	0	—	—	—
6590 oilseeds nec	1	1	0	—	—
Subtotal vegetable products	12	6	5	1	—
6653 vegetable oils	1	0	0	—	—
6654 vegetables & prod.	12	6	5	1	—
Subtotal processed grain and animal feed	20	1	19	—	—
6746 wheat flour	0	—	0	—	—
6747 grain mill products	4	1	3	—	—
6781 hay & fodder	0	—	0	—	—
6782 animal feed, prep.	16	—	16	—	—
Subtotal other agricultural products	944	919	25	0	—
6811 meat, fresh, frozen	73	71	2	0	—
6817 meat, prepared	1	—	1	—	—
6822 dairy products	4	0	4	—	—
6835 fish, prepared	0	0	0	0	—
6839 animals & prod. nec	0	—	0	—	—
6856 bananas & plantains	407	407	—	—	—
6857 fruit & nuts nec	315	313	2	—	—
6858 fruit juices	33	32	1	—	—
6871 coffee	2	2	—	0	—
6872 cocoa beans	89	84	5	—	—
6885 alcoholic beverages	3	3	0	—	—
6888 water & ice	0	—	0	—	—
6889 food products nec	9	3	6	—	—
6891 tobacco & products	6	4	2	—	—
6893 cotton	2	1	0	—	—
6899 farm products nec	0	0	—	—	—
Total all manufactured equipment, machinery and products	44	12	31	1	—
7110 machinery (not elec)	8	3	5	—	—
7120 electrical machinery	3	0	3	0	—
7210 vehicles & parts	8	0	8	0	—
7220 aircraft & parts	0	—	0	—	—
7230 ships & boats	0	0	0	—	—
7300 ordnance & access.	0	—	0	—	—
7400 manufac. wood prod.	2	2	0	—	—
7500 textile products	10	3	6	0	—
7600 rubber & plastic pr.	3	1	2	0	—
7900 manufac. prod. nec	8	2	7	0	—
Total unknown or not elsewhere classified	11	1	9	0	0
9900 unknown or nec	11	1	9	0	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	2,409	338	433	758	794	85
Total coal	26	—	26	—	—	—
1100 coal lignite	26	—	26	—	—	—
Total petroleum and petroleum products	1,896	211	62	752	794	76
Subtotal petroleum products	1,896	211	62	752	794	76
2211 gasoline	183	42	6	127	—	8
2221 kerosene	5	—	—	2	2	—
2330 distillate fuel oil	308	27	—	131	145	5
2340 residual fuel oil	1,384	142	43	491	644	64
2350 lube oil & greases	1	—	0	0	—	—
2410 petro. jelly & waxes	0	—	0	—	—	—
2429 naphtha & solvents	3	—	0	—	3	—
2540 petroleum coke	12	—	12	—	—	—
2640 liquid natural gas	0	—	0	—	—	—
Total chemicals and related products	48	12	36	—	—	—
Subtotal fertilizers	0	—	0	—	—	—
3190 fert. & mixes nec	0	—	0	—	—	—
Subtotal other chemicals and related products	48	12	36	—	—	—
3211 acyclic hydrocarbons	0	—	0	—	—	—
3219 other hydrocarbons	0	—	0	—	—	—
3220 alcohols	5	—	5	—	—	—
3230 carboxylic acids	0	—	0	—	—	—
3240 nitrogen func. comp.	0	—	0	—	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—

DELAWARE RIVER AT CAMDEN, NJ (INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
3260 organic comp. nec	0	—	0	—	—	—
3272 sulphuric acid	0	—	0	—	—	—
3273 ammonia	0	—	0	—	—	—
3274 sodium hydroxide	0	—	0	—	—	—
3275 inorg. elem.,oxides, & halogen salts	10	—	10	—	—	—
3276 metallic salts	1	—	1	—	—	—
3279 inorganic chem. nec	0	—	0	—	—	—
3281 radioactive material	0	—	0	—	—	—
3282 pigments & paints	1	—	1	—	—	—
3284 medicines	1	—	1	—	—	—
3285 perfumes & cleansers	4	—	4	—	—	—
3286 plastics	4	—	4	—	—	—
3292 starches, gluten, glue	2	—	2	—	—	—
3293 explosives	0	—	0	—	—	—
3298 wood & resin chem.	0	—	0	—	—	—
3299 chem. products nec	18	12	6	—	—	—
Total crude materials, inedible except fuels	53	10	34	—	—	9
Subtotal forest products, wood and chips	6	1	5	—	—	—
4110 rubber & gums	1	1	0	—	—	—
4161 wood chips	0	—	0	—	—	—
4170 wood in the rough	0	—	0	—	—	—
4189 lumber	0	0	0	—	—	—
4190 forest products nec	5	—	5	—	—	—
Subtotal pulp and waste paper	7	7	0	—	—	—
4225 pulp & waste paper	7	7	0	—	—	—
Subtotal soil, sand, gravel, rock and stone	2	0	2	—	—	—
4310 building stone	0	—	0	—	—	—
4322 limestone	0	0	0	—	—	—
4331 sand & gravel	2	—	2	—	—	—
Subtotal iron ore and scrap	31	3	19	—	—	9
4420 iron & steel scrap	31	3	19	—	—	9
Subtotal non-ferrous ores and scrap	0	—	0	—	—	—
4650 aluminum ore	0	—	0	—	—	—
Subtotal sulphur, clay and salt	0	0	0	—	—	—
4782 clay & refrac. mat.	0	0	0	—	—	—
Subtotal other non-metal. min.	7	—	7	—	—	—
4900 non-metal. min. nec	7	—	7	—	—	—
Total primary manufactured goods	50	10	35	5	—	—
Subtotal paper products	8	—	8	—	—	—
5120 paper & paperboard	0	—	0	—	—	—
5190 paper products nec	7	—	7	—	—	—
Subtotal lime, cement and glass	12	1	5	5	—	—
5210 lime	0	—	0	—	—	—
5220 cement & concrete	1	—	—	1	—	—
5240 glass & glass prod.	3	—	3	—	—	—
5290 misc. mineral prod.	8	1	3	4	—	—
Subtotal primary iron and steel products	6	—	6	—	—	—
5330 i&s plates & sheets	0	—	0	—	—	—
5360 i&s bars & shapes	1	—	1	—	—	—
5370 i&s pipe & tube	2	—	2	—	—	—
5390 primary i&s nec	3	—	3	—	—	—
Subtotal primary non-ferrous metal products	21	8	13	—	—	—
5421 copper	1	—	1	—	—	—
5422 aluminum	1	—	1	—	—	—
5429 smelted prod. nec	3	—	3	—	—	—
5480 fab. metal products	17	8	8	—	—	—
Subtotal primary wood products	3	—	3	—	—	—
5540 primary wood prod.	3	—	3	—	—	—
Total food and farm products	171	67	103	1	—	—
Subtotal fish	1	—	1	—	—	—
6134 fish (not shellfish)	1	—	1	—	—	—
Subtotal grain	0	—	0	—	—	—
6344 corn	0	—	0	—	—	—
Subtotal vegetable products	6	—	6	—	—	—
6653 vegetable oils	1	—	1	—	—	—
6654 vegetables & prod.	5	—	5	—	—	—
Subtotal processed grain and animal feed	15	—	15	—	—	—
6746 wheat flour	1	—	1	—	—	—
6747 grain mill products	1	—	1	—	—	—
6781 hay & fodder	0	—	0	—	—	—
6782 animal feed, prep.	12	—	12	—	—	—
Subtotal other agricultural products	150	67	82	1	—	—
6811 meat, fresh, frozen	2	—	2	—	—	—
6817 meat, prepared	0	—	0	—	—	—
6822 dairy products	13	—	13	—	—	—
6835 fish, prepared	0	—	0	—	—	—
6838 tallow, animal oils	1	—	1	—	—	—
6839 animals & prod. nec	2	—	2	—	—	—
6858 fruit juices	3	—	3	—	—	—
6861 sugar	0	—	0	—	—	—
6871 coffee	0	—	0	—	—	—
6885 alcoholic beverages	5	—	5	—	—	—

DELAWARE RIVER AT CAMDEN, NJ (INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
6887 groceries	97	65	32	—	—	—
6888 water & ice	2	—	0	1	—	—
6889 food products nec	23	2	21	—	—	—
6891 tobacco & products	1	0	1	—	—	—
6893 cotton	0	—	0	—	—	—
6899 farm products nec	0	—	0	—	—	—
Total all manufactured equipment, machinery and products	165	27	138	0	—	—
7110 machinery (not elec)	9	1	7	—	—	—
7120 electrical machinery	5	2	3	—	—	—
7210 vehicles & parts	60	2	58	—	—	—
7230 ships & boats	0	—	0	—	—	—
7300 ordnance & access.	0	—	0	—	—	—
7400 manufac. wood prod.	4	—	4	—	—	—
7500 textile products	4	0	3	—	—	—
7600 rubber & plastic pr.	4	1	3	—	—	—
7900 manufac. prod. nec	80	21	59	0	—	—

*Includes 76 (x1000) tons of foreign inbound in-transits; Includes 20 (x1000) tons of foreign outbound in-transits;
 Includes 1 (x1000) tons of Canadian inbound 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
1990	125,941	1993	120,824	1996	104,292	1999	111,241
1991	110,201	1994	120,692	1997	112,605		
1992	113,484	1995	121,422	1998	116,029		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total, all commodities	71,170	60,157	885	2,954	554	5,585	147	868	19
Total coal	130	89	23	18	0	—	—	—	—
1100 coal lignite	54	32	21	—	0	—	—	—	—
1200 coal coke	76	56	2	18	—	—	—	—	—
Total petroleum and petroleum products	55,193	49,232	227	268	224	4,753	93	376	19
Subtotal crude petroleum	52,534	47,456	—	—	—	4,699	4	376	—
2100 crude petroleum	52,534	47,456	—	—	—	4,699	4	376	—
Subtotal petroleum products	2,659	1,776	227	268	224	55	90	—	19
2211 gasoline	290	263	27	—	—	—	—	—	—
2221 kerosene	16	14	—	—	—	—	2	—	—
2330 distillate fuel oil	224	164	46	14	—	—	—	—	—
2340 residual fuel oil	1,534	1,203	0	247	—	28	55	—	—
2350 lube oil & greases	49	19	24	0	1	—	—	—	4
2410 petro. jelly & waxes	9	6	2	0	0	—	—	—	—
2429 naphtha & solvents	138	100	0	—	3	19	—	—	15
2430 asphalt, tar & pitch	21	5	16	—	—	—	—	—	—
2540 petroleum coke	345	1	88	7	209	7	32	—	—
2640 liquid natural gas	34	—	23	—	11	—	—	—	—
Total chemicals and related products	1,279	867	164	157	25	0	38	28	—
Subtotal fertilizers	161	76	1	45	2	0	38	—	—
3110 nitrogenous fert.	151	69	0	45	0	0	38	—	—

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
3120 phosphatic fert.	5	5	—	—	—	—	—	—	—
3130 potassic fert.	0	0	—	—	0	—	—	—	—
3190 fert. & mixes nec	4	2	1	—	1	—	—	—	—
Subtotal other chemicals and related products	1,118	791	163	113	23	0	0	28	—
3211 acyclic hydrocarbons	154	97	20	37	—	—	—	—	—
3212 benzene & toluene	122	58	—	36	—	0	—	28	—
3219 other hydrocarbons	27	17	10	—	0	—	—	—	—
3220 alcohols	73	63	7	4	0	—	—	—	—
3230 carboxylic acids	34	32	2	—	0	0	—	—	—
3240 nitrogen func. comp.	10	1	8	0	0	—	—	—	—
3250 organo - inorg. comp.	3	1	2	0	0	—	—	—	—
3260 organic comp. nec	398	372	13	13	0	—	—	—	—
3272 sulphuric acid	0	—	0	—	—	—	—	—	—
3274 sodium hydroxide	50	43	0	7	0	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	27	21	5	0	0	—	—	—	—
3276 metallic salts	31	7	5	16	4	—	—	—	—
3279 inorganic chem. nec	3	1	1	—	0	—	—	—	—
3281 radioactive material	1	0	0	—	—	—	—	—	—
3282 pigments & paints	27	5	20	—	3	—	—	—	—
3283 coloring mat. nec	2	2	0	—	0	—	—	—	—
3284 medicines	10	5	4	—	0	—	0	—	—
3285 perfumes & cleansers	15	6	7	0	2	0	—	—	—
3286 plastics	82	31	42	0	9	—	—	—	—
3291 pesticides	4	2	1	—	0	—	—	—	—
3292 starches, gluten, glue	26	23	2	—	2	—	—	—	—
3293 explosives	0	—	0	—	—	—	—	—	—
3297 chemical additives	4	0	4	—	0	—	—	—	—
3298 wood & resin chem.	1	1	0	—	0	—	—	—	—
3299 chem. products nec	15	3	10	0	2	0	—	—	—
Total crude materials, inedible except fuels	2,750	1,074	91	305	37	767	11	465	—
Subtotal forest products, wood and chips	90	43	4	0	3	6	—	34	—
4110 rubber & gums	4	4	0	—	—	—	—	—	—
4170 wood in the rough	1	0	0	0	0	—	—	—	—
4189 lumber	83	38	2	0	3	6	—	34	—
4190 forest products nec	2	1	1	0	0	—	—	—	—
Subtotal pulp and waste paper	142	77	25	—	29	—	11	—	—
4225 pulp & waste paper	142	77	25	—	29	—	11	—	—
Subtotal soil, sand, gravel, rock and stone	1,317	157	5	0	0	723	—	431	—
4310 building stone	1	0	1	—	0	—	—	—	—
4322 limestone	1	1	0	—	—	—	—	—	—
4323 gypsum	1,308	154	0	0	0	723	—	431	—
4327 phosphate rock	2	—	2	—	—	—	—	—	—
4331 sand & gravel	4	2	2	—	0	—	—	—	—
Subtotal iron ore and scrap	121	96	25	—	—	—	—	—	—
4410 iron ore	96	96	0	—	—	—	—	—	—
4420 iron & steel scrap	25	0	25	—	—	—	—	—	—

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Subtotal non-ferrous ores and scrap	144	71	2	71	0	---	---	---	---
4630 copper ore	0	---	0	---	---	---	---	---	---
4650 aluminum ore	48	47	0	---	0	---	---	---	---
4680 non-ferrous scrap	31	2	1	28	0	---	---	---	---
4690 non-ferrous ores nec	66	21	1	43	0	---	---	---	---
Subtotal sulphur, clay and salt	76	43	9	24	1	---	---	---	---
4741 sulphur, (dry)	1	1	---	---	---	---	---	---	---
4782 clay & refrac. mat.	75	42	9	24	1	---	---	---	---
Subtotal slag	47	47	---	---	---	---	---	---	---
4860 slag	47	47	---	---	---	---	---	---	---
Subtotal other non-metal. min.	813	540	22	209	5	38	---	---	---
4900 non-metal. min. nec	813	540	22	209	5	38	---	---	---
Total primary manufactured goods	7,036	6,512	159	208	89	62	6	---	---
Subtotal paper products	845	620	89	0	73	62	1	---	---
5110 newsprint	107	47	1	---	2	57	---	---	---
5120 paper & paperboard	716	570	77	---	64	4	1	---	---
5190 paper products nec	22	3	12	0	7	0	0	---	---
Subtotal lime, cement and glass	520	484	16	14	5	---	---	---	---
5210 lime	0	---	0	---	---	---	---	---	---
5220 cement & concrete	384	383	0	---	1	---	---	---	---
5240 glass & glass prod.	24	18	6	---	0	---	---	---	---
5290 misc. mineral prod.	112	83	10	14	4	---	---	---	---
Subtotal primary iron and steel products	5,137	4,966	28	135	4	---	5	---	---
5312 pig iron	1	0	0	---	---	---	---	---	---
5315 ferro alloys	54	54	0	---	---	---	---	---	---
5320 i&s primary forms	3,094	3,094	0	---	0	---	---	---	---
5330 i&s plates & sheets	1,359	1,315	19	18	3	---	5	---	---
5360 i&s bars & shapes	437	323	3	110	0	---	---	---	---
5370 i&s pipe & tube	96	84	5	7	0	---	---	---	---
5390 primary i&s nec	97	96	0	0	0	---	---	---	---
Subtotal primary non-ferrous metal products	151	61	25	58	7	0	---	---	---
5421 copper	17	13	0	---	3	0	---	---	---
5422 aluminum	39	22	15	1	1	0	---	---	---
5429 smelted prod. nec	70	10	5	54	0	---	---	---	---
5480 fab. metal products	25	15	5	3	3	0	---	---	---
Subtotal primary wood products	383	382	0	---	1	0	---	---	---
5540 primary wood prod.	383	382	0	---	1	0	---	---	---
Total food and farm products	4,253	2,219	100	1,859	73	2	---	---	0
Subtotal fish	39	15	4	15	5	0	---	---	---
6134 fish (not shellfish)	31	10	4	13	4	0	---	---	---
6136 shellfish	8	5	0	2	0	---	---	---	---
Subtotal grain	39	36	0	3	0	---	---	---	---
6344 corn	38	35	0	3	0	---	---	---	---
6442 rice	1	1	---	---	0	---	---	---	---
6443 barley & rye	0	---	---	---	0	---	---	---	---
6447 sorghum grains	0	0	---	---	0	---	---	---	---

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Subtotal oilseeds	16	15	0	0	0	---	---	---	---
6521 peanuts	0	0	0	---	---	---	---	---	---
6522 soybeans	12	12	---	---	0	---	---	---	---
6534 flaxseed	0	---	0	---	0	---	---	---	---
6590 oilseeds nec	4	3	0	0	0	---	---	---	---
Subtotal vegetable products	91	22	13	29	26	1	---	---	---
6653 vegetable oils	1	0	1	---	0	---	---	---	---
6654 vegetables & prod.	90	22	13	29	25	1	---	---	---
Subtotal processed grain and animal feed	38	6	24	0	8	---	---	---	0
6746 wheat flour	1	---	0	---	1	---	---	---	---
6747 grain mill products	8	1	4	---	3	---	---	---	0
6781 hay & fodder	2	---	1	---	1	---	---	---	---
6782 animal feed, prep.	27	5	18	0	4	---	---	---	---
Subtotal other agricultural products	4,029	2,125	58	1,812	34	0	---	---	---
6811 meat, fresh, frozen	391	318	16	53	4	0	---	---	---
6817 meat, prepared	22	21	1	0	0	---	---	---	---
6822 dairy products	102	92	5	1	4	---	---	---	---
6835 fish, prepared	2	2	0	0	0	0	---	---	---
6838 tallow, animal oils	1	---	1	---	0	---	---	---	---
6839 animals & prod. nec	19	16	1	1	1	---	---	---	---
6856 bananas & plantains	1,942	632	---	1,311	---	---	---	---	---
6857 fruit & nuts nec	898	595	4	294	5	---	---	---	---
6858 fruit juices	207	52	2	151	3	---	---	---	---
6861 sugar	0	---	0	---	0	---	---	---	---
6871 coffee	14	13	---	0	0	0	---	---	---
6872 cocoa beans	289	278	10	0	0	---	---	---	---
6885 alcoholic beverages	75	71	1	---	3	0	---	---	---
6888 water & ice	2	1	0	---	1	---	---	---	---
6889 food products nec	51	26	12	1	12	0	---	---	---
6891 tobacco & products	9	6	3	---	0	---	---	---	---
6893 cotton	2	2	0	---	1	---	---	---	---
6894 natural fibers nec	0	0	0	---	0	---	---	---	---
6899 farm products nec	3	1	2	0	0	---	---	---	---
Total all manufactured equipment, machinery and products	500	160	104	139	97	1	---	---	---
7110 machinery (not elec)	74	50	20	1	4	---	---	---	---
7120 electrical machinery	31	15	8	3	3	0	---	---	---
7210 vehicles & parts	240	19	17	131	73	0	---	---	---
7220 aircraft & parts	0	0	0	---	0	---	---	---	---
7230 ships & boats	1	1	0	0	0	---	---	---	---
7300 ordnance & access.	0	0	0	---	0	---	---	---	---
7400 manufac. wood prod.	9	6	1	2	0	---	---	---	---
7500 textile products	35	10	17	1	8	0	---	---	---
7600 rubber & plastic pr.	37	21	13	0	4	0	---	---	---
7900 manufac. prod. nec	71	40	27	0	5	0	---	---	---

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports*	Exports*	Through		Imports*	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total unknown or not elsewhere classified	30	4	17	0	8	0	0	---	---
9900 unknown or nec	30	4	17	0	8	0	0	---	---
Ton-miles Foreign & Canadian (x1000)	6,595,137	5,729,037	95,289	211,925	38,895	434,585	21,790	62,241	1,375

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	15,470	2,634	7,666	1,356	3,814
Total coal	1,178	9	26	---	1,143
1100 coal lignite	1,178	9	26	---	1,143
Total petroleum and petroleum products	11,564	1,553	6,745	853	2,413
Subtotal crude petroleum	507	92	415	---	---
2100 crude petroleum	507	92	415	---	---
Subtotal petroleum products	11,056	1,461	6,329	853	2,413
2211 gasoline	2,089	366	1,498	156	69
2221 kerosene	77	6	64	7	---
2330 distillate fuel oil	2,792	183	2,279	97	234
2340 residual fuel oil	4,439	457	1,678	275	2,030
2350 lube oil & greases	482	389	84	6	3
2410 petro. jelly & waxes	103	39	0	64	---
2429 naphtha & solvents	43	13	17	---	14
2430 asphalt, tar & pitch	1,006	7	685	250	63
2540 petroleum coke	12	---	12	---	---
2640 liquid natural gas	1	0	1	---	---
2990 petro. products nec	12	---	12	---	---
Total chemicals and related products	1,327	876	370	59	22
Subtotal fertilizers	12	12	0	---	---
3110 nitrogenous fert.	12	12	0	---	---
3130 potassic fert.	0	---	0	---	---
3190 fert. & mixes nec	0	---	0	---	---
Subtotal other chemicals and related products	1,315	864	369	59	22
3211 acyclic hydrocarbons	0	---	0	---	---
3212 benzene & toluene	84	---	64	20	---
3219 other hydrocarbons	98	53	33	11	---
3220 alcohols	107	47	60	---	---
3230 carboxylic acids	25	20	5	---	---
3240 nitrogen func. comp.	1	---	1	---	---
3250 organo - inorg. comp.	0	---	0	---	---
3260 organic comp. nec	157	1	134	---	22
3272 sulphuric acid	2	---	2	---	---
3273 ammonia	0	---	0	---	---
3274 sodium hydroxide	212	201	0	11	---
3275 inorg. elem., oxides, & halogen salts	12	1	11	---	---
3276 metallic salts	2	0	2	---	---
3279 inorganic chem. nec	0	---	0	---	---
3281 radioactive material	0	---	0	---	---
3282 pigments & paints	3	0	3	---	---
3283 coloring mat. nec	0	---	0	---	---
3284 medicines	33	27	6	---	---
3285 perfumes & cleansers	19	6	13	---	---
3286 plastics	13	1	13	---	---
3291 pesticides	0	0	0	---	---
3292 starches, gluten, glue	5	1	3	---	---
3293 explosives	0	---	0	---	---
3297 chemical additives	481	459	9	12	---
3298 wood & resin chem.	14	14	0	---	---
3299 chem. products nec	44	32	8	4	---
Total crude materials, inedible except fuels	132	13	45	19	55
Subtotal forest products, wood and chips	8	1	7	---	---
4110 rubber & gums	1	1	1	---	---
4150 fuel wood	0	---	0	---	---
4161 wood chips	0	---	0	---	---
4170 wood in the rough	0	---	0	---	---
4189 lumber	0	0	0	---	---
4190 forest products nec	6	0	6	---	---
Subtotal pulp and waste paper	7	7	0	---	---
4225 pulp & waste paper	7	7	0	---	---
Subtotal soil, sand, gravel, rock and stone	61	0	5	---	55
4310 building stone	0	---	0	---	---

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
4322 limestone	58	0	3	—	55
4323 gypsum	0	—	0	—	—
4327 phosphate rock	0	—	0	—	—
4331 sand & gravel	2	—	2	—	—
Subtotal iron ore and scrap	43	5	19	19	—
4420 iron & steel scrap	43	5	19	19	—
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	0	0	0	—	—
4741 sulphur, (dry)	0	—	0	—	—
4782 clay & refrac. mat.	0	0	0	—	—
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	12	—	12	—	—
4900 non-metal. min. nec	12	—	12	—	—
Total primary manufactured goods	544	21	72	355	95
Subtotal paper products	23	2	20	1	—
5110 newsprint	1	0	1	—	—
5120 paper & paperboard	8	0	7	1	—
5190 paper products nec	14	1	13	—	—
Subtotal lime, cement and glass	457	2	11	349	95
5210 lime	0	—	0	—	—
5220 cement & concrete	445	0	0	349	95
5240 glass & glass prod.	8	0	7	—	—
5290 misc. mineral prod.	5	2	4	—	—
Subtotal primary iron and steel products	26	9	12	5	—
5330 i&s plates & sheets	1	—	1	—	—
5360 i&s bars & shapes	2	—	2	—	—
5370 i&s pipe & tube	6	—	6	—	—
5390 primary i&s nec	18	9	3	5	—
Subtotal primary non-ferrous metal products	34	9	25	—	—
5421 copper	1	0	1	—	—
5422 aluminum	3	0	3	—	—
5429 smelted prod. nec	6	—	6	—	—
5480 fab. metal products	24	9	15	—	—
Subtotal primary wood products	4	—	4	—	—
5540 primary wood prod.	4	—	4	—	—
Total food and farm products	384	109	197	0	78
Subtotal fish	6	5	1	—	—
6134 fish (not shellfish)	6	5	1	—	—
6136 shellfish	0	—	0	—	—
Subtotal grain	0	—	0	—	—
6344 corn	0	—	0	—	—
Subtotal oilseeds	0	—	0	—	—
6521 peanuts	0	—	0	—	—
Subtotal vegetable products	20	6	14	—	—
6653 vegetable oils	1	0	1	—	—
6654 vegetables & prod.	18	6	13	—	—
Subtotal processed grain and animal feed	22	0	22	—	—
6746 wheat flour	2	—	2	—	—
6747 grain mill products	7	0	7	—	—
6781 hay & fodder	0	—	0	—	—
6782 animal feed, prep.	13	0	13	—	—
Subtotal other agricultural products	337	98	160	0	78
6811 meat, fresh, frozen	7	0	7	—	—
6817 meat, prepared	5	0	5	—	—
6822 dairy products	23	—	23	—	—
6835 fish, prepared	15	14	1	—	—
6838 tallow, animal oils	1	—	1	—	—
6839 animals & prod. nec	3	0	3	—	—
6857 fruit & nuts nec	2	1	1	—	—
6858 fruit juices	11	1	10	—	—
6861 sugar	1	—	1	—	—
6865 molasses	0	0	—	—	—
6871 coffee	0	0	0	—	—
6872 cocoa beans	2	2	—	—	—
6885 alcoholic beverages	6	1	5	0	—
6887 groceries	112	65	46	—	—
6888 water & ice	2	—	2	—	—
6889 food products nec	144	14	52	—	78
6891 tobacco & products	3	2	2	—	—
6893 cotton	0	—	0	—	—
6899 farm products nec	0	—	0	—	—
Total all manufactured equipment, machinery and products	340	52	211	69	6
7110 machinery (not elec)	15	3	12	—	—
7120 electrical machinery	45	9	9	27	—
7210 vehicles & parts	60	2	58	—	—
7220 aircraft & parts	0	0	—	—	—
7230 ships & boats	0	0	0	—	—
7300 ordnance & access.	0	—	0	—	—

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
7400 manufac. wood prod.	5	0	5	—	—
7500 textile products	16	4	12	—	—
7600 rubber & plastic pr.	14	2	11	0	—
7800 empty containers	0	0	0	—	—
7900 manufac. prod. nec	184	32	104	42	6
Total waste and scrap nec	1	0	0	—	—
8900 waste and scrap nec	1	0	0	—	—
Total unknown or not elsewhere classified	2	1	1	—	—
9900 unknown or nec	2	1	1	—	—
Ton-miles (x1000) Coastwise	1,326,967	275,840	649,983	95,547	305,598

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	24,601	2,892	1,189	677	2,805	123	584	15,119	1,213
Total coal	1,343	1,343	—	—	—	—	—	—	—
1100 coal lignite	1,343	1,343	—	—	—	—	—	—	—
Total petroleum and petroleum products	21,535	1,029	1,122	565	2,604	119	342	14,786	966
Subtotal crude petroleum	12,652	—	—	66	—	—	—	12,571	15
2100 crude petroleum	12,652	—	—	66	—	—	—	12,571	15
Subtotal petroleum products	8,883	1,029	1,122	499	2,604	119	342	2,216	951
2211 gasoline	1,804	149	34	61	387	50	58	1,030	35
2221 kerosene	46	—	—	4	14	—	—	24	4
2330 distillate fuel oil	2,520	210	559	242	617	35	113	473	271
2340 residual fuel oil	3,509	631	497	141	794	34	172	609	632
2350 lube oil & greases	6	—	—	—	1	—	—	1	4
2410 petro. jelly & waxes	4	—	—	—	—	—	—	4	—
2429 naphtha & solvents	209	31	33	25	70	—	—	47	4
2430 asphalt, tar & pitch	761	—	—	27	721	—	—	13	—
2990 petro. products nec	23	9	—	—	—	—	—	14	—
Total chemicals and related products	1,633	514	36	111	199	—	241	320	211
Subtotal fertilizers	13	13	—	—	—	—	—	—	—
3110 nitrogenous fert.	13	13	—	—	—	—	—	—	—
Subtotal other chemicals and related products	1,620	501	36	111	199	—	241	320	211
3212 benzene & toluene	68	—	—	40	17	—	—	2	9
3219 other hydrocarbons	824	493	—	20	14	—	—	285	13
3220 alcohols	255	3	—	—	14	—	230	4	5
3272 sulphuric acid	61	—	—	—	32	—	—	—	29
3274 sodium hydroxide	54	5	3	—	10	—	—	5	32
3276 metallic salts	106	—	—	—	106	—	—	—	—
3297 chemical additives	252	—	34	51	8	—	11	25	123
Total crude materials, inedible except fuels	66	1	30	—	0	—	—	9	25
Subtotal soil, sand, gravel, rock and stone	55	—	30	—	—	—	—	—	25
4331 sand & gravel	30	—	30	—	—	—	—	—	—

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
4335 waterway improv. mat	25	—	—	—	—	—	—	—	25
Subtotal iron ore and scrap	9	—	—	—	—	—	—	9	—
4420 iron & steel scrap	9	—	—	—	—	—	—	9	—
Subtotal marine shells	1	1	0	—	0	—	—	—	—
4515 marine shells	1	1	0	—	0	—	—	—	—
Total primary manufactured goods	5	5	0	0	0	0	—	0	0
Subtotal lime, cement and glass	5	5	—	—	—	—	—	—	—
5220 cement & concrete	1	1	—	—	—	—	—	—	—
5290 misc. mineral prod.	4	4	—	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	1	0	0	0	0	0	—	0	0
5480 fab. metal products	1	0	0	0	0	0	—	0	0
Total food and farm products	18	—	—	1	0	4	—	2	11
Subtotal fish	5	—	—	1	0	4	—	—	—
6134 fish (not shellfish)	4	—	—	1	—	3	—	—	—
6136 shellfish	1	—	—	0	0	0	—	—	—
Subtotal other agricultural products	13	—	—	—	0	—	—	2	11
6887 groceries	2	—	—	—	—	—	—	0	2
6888 water & ice	11	—	—	—	0	—	—	2	9
Total all manufactured equipment, machinery and products	1	—	—	—	0	—	—	0	0
7230 ships & boats	0	—	—	—	0	—	—	—	—
7900 manufac. prod. nec	1	—	—	—	—	—	—	0	0
Ton-miles Internal (x1000)	1,153,889	115,779	15,618	10,947	56,194	2,435	14,574	911,785	26,556
Tons All Traffic (x1000)					111,241				
Ton-miles All Traffic (x1000)					9,075,993				

*Includes 531 (x1000) tons of foreign inbound in-transits; Includes 76 (x1000) tons of foreign outbound in-transits; Includes 1 (x1000) tons of Canadian inbound in-transits.

SUMMARY OF TRAFFIC DELAWARE RIVER AND TRIBUTARIES, TRENTON, NJ TO THE SEA

Freight Traffic, 1999
(thousand short tons)

Locality	Total	*Foreign-		Domestic				
		Canadian		Coastwise		Internal		
		Imports	Exports	Receipts	Shipmnts	Receipts	Shipments	Intraport
ARTIFICIAL ISLAND NJ AND VICINITY	43	1	42	—	—	—	—	—
BORDENTOWN-FIELDSBORO NJ	—	—	—	—	—	—	—	—
BRISTOL PA AND VICINITY	31	—	—	—	—	15	16	—
BURLINGTON-FLORENCE-ROEBLING NJ	765	435	1	—	—	329	—	—
CAMDEN-GLOUCESTER NJ	5,715	2,928	378	338	433	758	794	85
CHESTER AREA, PA	2,282	1,550	181	31	—	409	111	—
LOWER DELAWARE BAY DEL	17,751	5,660	0	6	424	164	11,497	—
LOWER DELAWARE BAY NJ	1,195	—	—	—	—	—	1,186	9
MARCUS HOOK, PA	19,261	9,830	31	763	895	5,069	2,583	90
NEW CASTLE AREA, DE	5,463	408	6	291	2,467	1,878	389	25
PAULSBORO, NJ	26,845	17,759	91	446	2,989	2,841	2,504	215
PENN MANOR AREA, PA	2,472	2,319	64	2	—	87	—	—
PENNSGROVE-CARNEY POINT NJ	370	—	—	—	—	370	—	—
PHILADELPHIA HARBOR, PA	39,271	24,987	280	1,039	2,655	6,822	2,232	1,255
RIVERTON-DELANCO-BEVERLY NJ	—	—	—	—	—	—	—	—
THOMPSON POINT NJ AND VICINITY	35	—	—	—	—	35	—	—
TRENTON HARBOR, NJ	1,527	—	—	—	—	1,527	—	—
WILMINGTON HARBOR, DE	5,369	3,688	531	72	32	654	351	41
TOTAL (UNADJUSTED)	128,395	69,564	1,606	2,987	9,896	20,957	21,664	1,720
NET VOLUME OF TONNAGE FOR THE AREA	109,255	69,564	1,606	2,987	9,896		23,482	1,720

*Overseas Foreign and Canadian tonnage

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
1990	9,120	1993	9,119	1996	6,476	1999	6,624
1991	8,096	1994	8,725	1997	6,993		
1992	8,167	1995	7,796	1998	7,508		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign	Canadian
		Imports	Imports
Total, all commodities	133	106	28
Total petroleum and petroleum products	30	30	—
Subtotal petroleum products	30	30	—
2330 distillate fuel oil	4	4	—
2340 residual fuel oil	26	26	—
Total chemicals and related products	84	56	28
Subtotal other chemicals and related products	84	56	28
3212 benzene & toluene	64	36	28
3260 organic comp. nec	13	13	—
3274 sodium hydroxide	7	7	—
Total crude materials, inedible except fuels	19	19	—
Subtotal other non-metal. min.	19	19	—
4900 non-metal. min. nec	19	19	—
Ton-miles (x1000) Foreign & Canadian	534	424	110

SCHUYLKILL RIVER, PA (INCLUDED IN PHILADELPHIA HARBOR, PA)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	6,491	280	2,198	842	2,613	547	10
Total petroleum and petroleum products	5,480	254	2,176	724	1,840	480	7
Subtotal petroleum products	5,480	254	2,176	724	1,840	480	7
2211 gasoline	422	22	63	141	86	106	3
2221 kerosene	20	—	—	16	—	4	—
2330 distillate fuel oil	1,443	35	110	342	767	185	4
2340 residual fuel oil	3,345	151	1,982	170	923	118	—
2350 lube oil & greases	3	—	3	—	—	—	—
2429 naphtha & solvents	168	—	14	28	63	63	—
2430 asphalt, tar & pitch	75	45	3	27	—	—	—
2990 petro. products nec	3	—	—	—	—	3	—
Total chemicals and related products	1,011	27	22	118	773	68	3
Subtotal other chemicals and related products	1,011	27	22	118	773	68	3
3212 benzene & toluene	54	9	—	45	—	—	—
3219 other hydrocarbons	527	11	—	20	493	3	—
3220 alcohols	233	—	—	—	233	—	—
3260 organic comp. nec	22	—	22	—	—	—	—
3274 sodium hydroxide	5	—	—	3	3	—	—
3297 chemical additives	170	6	—	51	45	65	3
Ton-miles (x1000) Domestic	23,980	934	8,768	3,472	10,033	764	10
Tons All Traffic (x1000)	6,624						
Ton-miles All Traffic (x1000)	24,514						

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
1990	41,830	1993	42,708	1996	41,882	1999	39,271
1991	37,257	1994	40,746	1997	44,968		
1992	39,667	1995	40,634	1998	47,466		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	25,267	24,665	268	322	12
Total coal	0	—	0	—	—
1100 coal lignite	0	—	0	—	—
1200 coal coke	0	—	0	—	—
Total petroleum and petroleum products	19,589	19,458	19	112	—
Subtotal crude petroleum	18,908	18,795	—	112	—
2100 crude petroleum	18,908	18,795	—	112	—
Subtotal petroleum products	682	663	19	—	—
2211 gasoline	152	152	—	—	—
2221 kerosene	14	14	—	—	—
2330 distillate fuel oil	70	70	—	—	—
2340 residual fuel oil	378	378	0	—	—
2350 lube oil & greases	13	9	4	—	—
2410 petro. jelly & waxes	7	6	0	—	—
2429 naphtha & solvents	33	33	0	—	—
2430 asphalt, tar & pitch	4	—	4	—	—
2540 petroleum coke	0	—	0	—	—
2640 liquid natural gas	10	—	10	—	—
Total chemicals and related products	454	358	68	28	—
Subtotal fertilizers	74	73	1	—	—
3110 nitrogenous fert.	69	69	0	—	—
3120 phosphatic fert.	5	5	—	—	—
3130 potassic fert.	0	0	—	—	—
3190 fert. & mixes nec	0	0	0	—	—
Subtotal other chemicals and related products	381	285	68	28	—
3211 acyclic hydrocarbons	37	21	17	—	—
3212 benzene & toluene	72	45	—	28	—

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, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
3219 other hydrocarbons	9	8	1	—	—
3220 alcohols	33	30	3	—	—
3230 carboxylic acids	27	27	1	—	—
3240 nitrogen func. comp.	2	0	2	—	—
3250 organo - inorg. comp.	1	0	1	—	—
3260 organic comp. nec	69	60	9	—	—
3274 sodium hydroxide	50	50	—	—	—
3275 inorg. elem.oxides, & halogen salts	12	10	2	—	—
3276 metallic salts	5	3	2	—	—
3279 inorganic chem. nec	2	1	1	—	—
3281 radioactive material	0	0	0	—	—
3282 pigments & paints	3	0	3	—	—
3283 coloring mat. nec	1	0	0	—	—
3284 medicines	1	0	1	—	—
3285 perfumes & cleansers	7	5	2	0	—
3286 plastics	19	4	15	—	—
3291 pesticides	2	1	1	—	—
3292 starches, gluten, glue	20	20	1	—	—
3293 explosives	0	—	0	—	—
3297 chemical additives	2	—	2	—	—
3298 wood & resin chem.	1	1	0	—	—
3299 chem. products nec	5	0	4	0	—
Total crude materials, inedible except fuels	505	338	35	121	11
Subtotal forest products, wood and chips	26	25	1	—	—
4110 rubber & gums	3	3	—	—	—
4170 wood in the rough	0	0	0	—	—
4189 lumber	22	21	1	—	—
4190 forest products nec	1	1	1	—	—
Subtotal pulp and waste paper	101	75	16	—	11
4225 pulp & waste paper	101	75	16	—	11
Subtotal soil, sand, gravel, rock and stone	128	3	4	121	—
4310 building stone	1	0	1	—	—
4322 limestone	0	—	0	—	—
4323 gypsum	124	2	0	121	—
4327 phosphate rock	2	—	2	—	—
4331 sand & gravel	1	0	1	—	—
Subtotal iron ore and scrap	31	31	—	—	—
4410 iron ore	31	31	—	—	—
4420 iron & steel scrap	0	0	—	—	—
Subtotal non-ferrous ores and scrap	16	16	0	—	—
4650 aluminum ore	4	4	0	—	—
4680 non-ferrous scrap	2	2	0	—	—
4690 non-ferrous ores nec	10	10	0	—	—
Subtotal sulphur, clay and salt	22	15	6	—	—
4782 clay & refrac. mat.	22	15	6	—	—
Subtotal other non-metal. min.	181	174	7	—	—
4900 non-metal. min. nec	181	174	7	—	—
Total primary manufactured goods	3,353	3,230	62	60	1
Subtotal paper products	699	591	47	60	1
5110 newsprint	94	37	1	57	—
5120 paper & paperboard	597	552	40	4	1
5190 paper products nec	8	1	7	0	0
Subtotal lime, cement and glass	72	67	5	—	—
5210 lime	0	—	0	—	—
5220 cement & concrete	38	38	0	—	—
5240 glass & glass prod.	12	11	2	—	—
5290 misc. mineral prod.	22	19	3	—	—
Subtotal primary iron and steel products	2,447	2,445	2	—	—
5312 pig iron	0	0	0	—	—
5315 ferro alloys	27	27	0	—	—
5320 i&s primary forms	1,850	1,850	0	—	—
5330 i&s plates & sheets	409	408	1	—	—
5360 i&s bars & shapes	118	117	1	—	—
5370 i&s pipe & tube	32	32	0	—	—
5390 primary i&s nec	10	10	0	—	—
Subtotal primary non-ferrous metal products	31	23	8	0	—
5421 copper	9	9	0	0	—
5422 aluminum	8	5	3	—	—
5429 smelted prod. nec	6	4	3	—	—
5480 fab. metal products	7	5	2	—	—
Subtotal primary wood products	104	104	0	—	—
5540 primary wood prod.	104	104	0	—	—
Total food and farm products	1,233	1,189	44	0	—
Subtotal fish	15	14	1	—	—
6134 fish (not shellfish)	10	9	0	—	—
6136 shellfish	5	5	0	—	—
Subtotal grain	31	31	0	—	—
6344 corn	30	30	0	—	—
6442 rice	1	1	—	—	—
6447 sorghum grains	0	0	—	—	—
Subtotal oilseeds	15	14	0	—	—
6521 peanuts	0	0	0	—	—
6522 soybeans	12	12	—	—	—

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, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	3	2	0	—	—
Subtotal vegetable products	23	15	8	0	—
6653 vegetable oils	0	0	0	—	—
6654 vegetables & prod.	23	15	8	0	—
Subtotal processed grain and animal feed	9	5	4	—	—
6746 wheat flour	0	—	0	—	—
6747 grain mill products	1	0	0	—	—
6781 hay & fodder	1	—	1	—	—
6782 animal feed, prep.	7	5	3	—	—
Subtotal other agricultural products	1,140	1,110	30	0	—
6811 meat, fresh, frozen	260	247	13	—	—
6817 meat, prepared	21	21	0	—	—
6822 dairy products	93	91	1	—	—
6835 fish, prepared	2	2	0	—	—
6838 tallow, animal oils	0	—	0	—	—
6839 animals & prod. nec	17	16	1	—	—
6856 bananas & plantains	225	225	—	—	—
6857 fruit & nuts nec	276	275	1	—	—
6858 fruit juices	13	13	1	—	—
6871 coffee	12	12	—	—	—
6872 cocoa beans	172	167	5	—	—
6885 alcoholic beverages	17	16	1	0	—
6888 water & ice	1	1	0	—	—
6889 food products nec	27	22	5	0	—
6891 tobacco & products	2	2	0	—	—
6893 cotton	0	0	0	—	—
6894 natural fibers nec	0	0	0	—	—
6899 farm products nec	2	1	2	—	—
Total all manufactured equipment, machinery and products	128	90	37	0	—
7110 machinery (not elec)	30	23	6	—	—
7120 electrical machinery	17	13	3	—	—
7210 vehicles & parts	20	14	7	—	—
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	1	0	0	—	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	4	3	0	—	—
7500 textile products	7	4	3	—	—
7600 rubber & plastic pr.	12	8	4	0	—
7900 manufac. prod. nec	36	24	12	—	—
Total unknown or not elsewhere classified	4	2	3	—	—
9900 unknown or nec	4	2	3	—	—

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	14,004	1,039	2,655	6,822	2,232	1,255
Total petroleum and petroleum products	11,757	513	2,221	6,545	1,896	582
Subtotal crude petroleum	5,563	—	—	5,547	15	—
2100 crude petroleum	5,563	—	—	5,547	15	—
Subtotal petroleum products	6,195	513	2,221	998	1,880	582
2211 gasoline	529	129	63	141	86	110
2221 kerosene	30	6	4	16	—	4
2330 distillate fuel oil	1,642	110	110	390	800	231
2340 residual fuel oil	3,687	182	2,021	392	933	159
2350 lube oil & greases	13	2	5	—	5	1
2410 petro. jelly & waxes	43	39	0	4	—	—
2429 naphtha & solvents	168	—	14	28	54	73
2430 asphalt, tar & pitch	78	46	4	27	2	—
2540 petroleum coke	0	—	0	—	—	—
2640 liquid natural gas	1	0	1	—	—	—
2990 petro. products nec	3	—	—	—	—	3
Total chemicals and related products	1,936	444	218	277	326	670
Subtotal fertilizers	25	12	0	13	—	—
3110 nitrogenous fert.	25	12	0	13	—	—
3130 potassic fert.	0	—	0	—	—	—
3190 fert. & mixes nec	0	—	0	—	—	—
Subtotal other chemicals and related products	1,911	432	218	264	326	670
3211 acyclic hydrocarbons	0	—	0	—	—	—
3212 benzene & toluene	56	9	—	46	—	—
3219 other hydrocarbons	818	65	0	161	—	592
3220 alcohols	298	21	25	—	244	8
3230 carboxylic acids	24	19	5	—	—	—
3240 nitrogen func. comp.	1	—	1	—	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—
3260 organic comp. nec	157	1	156	—	—	—

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, 1999 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
3272 sulphuric acid	0	—	0	—	—	—
3273 ammonia	0	—	0	—	—	—
3274 sodium hydroxide	238	192	0	5	37	3
3275 inorg. elem.,oxides, & halogen salts	2	1	1	—	—	—
3276 metallic salts	2	0	2	—	—	—
3279 inorganic chem. nec	0	—	0	—	—	—
3282 pigments & paints	3	0	3	—	—	—
3283 coloring mat. nec	0	—	0	—	—	—
3284 medicines	32	27	5	—	—	—
3285 perfumes & cleansers	16	6	9	—	—	—
3286 plastics	9	1	8	—	—	—
3291 pesticides	0	0	0	—	—	—
3292 starches, gluten, glue	3	1	2	—	—	—
3297 chemical additives	221	57	—	51	45	68
3298 wood & resin chem.	11	11	—	—	—	—
3299 chem. products nec	22	20	1	—	—	—
Total crude materials, inedible except fuels	14	3	11	—	—	—
Subtotal forest products, wood and chips	2	0	2	—	—	—
4110 rubber & gums	0	—	0	—	—	—
4150 fuel wood	0	—	0	—	—	—
4170 wood in the rough	0	—	0	—	—	—
4189 lumber	0	0	—	—	—	—
4190 forest products nec	2	0	2	—	—	—
Subtotal pulp and waste paper	0	—	0	—	—	—
4225 pulp & waste paper	0	—	0	—	—	—
Subtotal soil, sand, gravel, rock and stone	3	—	3	—	—	—
4322 limestone	3	—	3	—	—	—
4323 gypsum	0	—	0	—	—	—
4327 phosphate rock	0	—	0	—	—	—
4331 sand & gravel	0	—	0	—	—	—
Subtotal iron ore and scrap	2	2	—	—	—	—
4420 iron & steel scrap	2	2	—	—	—	—
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	0	—	0	—	—	—
4741 sulphur, (dry)	0	—	0	—	—	—
4782 clay & refrac. mat.	0	—	0	—	—	—
Subtotal slag	0	0	0	—	—	—
4860 slag	0	0	0	—	—	—
Subtotal other non-metal. min.	5	—	5	—	—	—
4900 non-metal. min. nec	5	—	5	—	—	—
Total primary manufactured goods	47	10	36	0	0	0
Subtotal paper products	14	2	13	—	—	—
5110 newsprint	1	0	1	—	—	—
5120 paper & paperboard	7	0	7	—	—	—
5190 paper products nec	7	1	5	—	—	—
Subtotal lime, cement and glass	6	0	6	—	—	—
5220 cement & concrete	0	0	0	—	—	—
5240 glass & glass prod.	5	0	5	—	—	—
5290 misc. mineral prod.	1	0	1	—	—	—
Subtotal primary iron and steel products	13	8	5	—	—	—
5330 i&s plates & sheets	0	—	0	—	—	—
5360 i&s bars & shapes	0	—	0	—	—	—
5370 i&s pipe & tube	4	—	4	—	—	—
5390 primary i&s nec	8	8	1	—	—	—
Subtotal primary non-ferrous metal products	13	1	12	0	0	0
5421 copper	0	0	0	—	—	—
5422 aluminum	2	0	2	—	—	—
5429 smelted prod. nec	3	—	3	—	—	—
5480 fab. metal products	8	1	7	0	0	0
Subtotal primary wood products	1	—	1	—	—	—
5540 primary wood prod.	1	—	1	—	—	—
Total food and farm products	149	42	94	—	10	3
Subtotal fish	5	5	0	—	—	—
6134 fish (not shellfish)	5	5	—	—	—	—
6136 shellfish	0	—	0	—	—	—
Subtotal grain	0	—	0	—	—	—
6344 corn	0	—	0	—	—	—
Subtotal oilseeds	0	—	0	—	—	—
6521 peanuts	0	—	0	—	—	—
Subtotal vegetable products	14	6	8	—	—	—
6653 vegetable oils	0	0	0	—	—	—
6654 vegetables & prod.	14	6	8	—	—	—
Subtotal processed grain and animal feed	7	0	7	—	—	—
6746 wheat flour	1	—	1	—	—	—
6747 grain mill products	5	0	5	—	—	—
6781 hay & fodder	0	—	0	—	—	—
6782 animal feed, prep.	1	0	1	—	—	—
Subtotal other agricultural products	123	31	78	—	10	3
6811 meat, fresh, frozen	5	0	5	—	—	—

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, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
6817 meat, prepared	5	0	5	—	—	—
6822 dairy products	10	—	10	—	—	—
6835 fish, prepared	14	14	0	—	—	—
6838 tallow, animal oils	0	—	0	—	—	—
6839 animals & prod. nec	2	0	2	—	—	—
6857 fruit & nuts nec	2	1	1	—	—	—
6858 fruit juices	7	1	6	—	—	—
6861 sugar	1	—	1	—	—	—
6865 molasses	0	0	—	—	—	—
6871 coffee	0	0	—	—	—	—
6872 cocoa beans	2	2	—	—	—	—
6885 alcoholic beverages	1	1	1	—	—	—
6887 groceries	17	1	14	—	1	1
6888 water & ice	13	—	2	—	9	2
6889 food products nec	42	11	31	—	—	—
6891 tobacco & products	2	2	0	—	—	—
6893 cotton	0	—	0	—	—	—
6899 farm products nec	0	—	0	—	—	—
Total all manufactured equipment, machinery and products	99	25	74	0	0	—
7110 machinery (not elec)	6	2	5	—	—	—
7120 electrical machinery	13	7	6	—	—	—
7210 vehicles & parts	1	0	1	—	—	—
7220 aircraft & parts	0	0	—	—	—	—
7230 ships & boats	0	0	0	—	0	—
7300 ordnance & access.	0	—	0	—	—	—
7400 manufac. wood prod.	2	0	1	—	—	—
7500 textile products	12	3	8	—	—	—
7600 rubber & plastic pr.	9	2	8	—	—	—
7800 empty containers	0	0	0	—	—	—
7900 manufac. prod. nec	55	10	45	0	—	—
Total waste and scrap nec	1	0	0	—	—	—
8900 waste and scrap nec	1	0	0	—	—	—
Total unknown or not elsewhere classified	2	1	1	—	—	—
9900 unknown or nec	2	1	1	—	—	—

*Includes 173 (x1000) tons of foreign inbound in-transits; Includes 54 (x1000) tons of foreign 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
1990	1,088	1993	837	1996	842	1999	1,527
1991	897	1994	848	1997	1,124		
1992	903	1995	964	1998	1,307		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal Receipts
Total, all commodities	1,527	1,527
Total coal	1,010	1,010
1100 coal lignite	1,010	1,010
Total petroleum and petroleum products	497	497
Subtotal petroleum products	497	497
2211 gasoline	324	324
2330 distillate fuel oil	172	172
Total chemicals and related products	20	20
Subtotal other chemicals and related products	20	20
3219 other hydrocarbons	20	20

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
1990	4,209	1993	4,106	1996	4,324	1999	5,369
1991	4,154	1994	4,503	1997	4,401		
1992	3,826	1995	4,273	1998	4,998		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	4,219	2,847	512	841	19
Total coal	18	18	0	—	—
1100 coal lignite	0	—	0	—	—
1200 coal coke	18	18	—	—	—
Total petroleum and petroleum products	852	238	218	376	19
Subtotal crude petroleum	376	—	—	376	—
2100 crude petroleum	376	—	—	376	—
Subtotal petroleum products	475	238	218	—	19
2330 distillate fuel oil	10	10	—	—	—
2340 residual fuel oil	221	221	—	—	—
2350 lube oil & greases	6	—	1	—	4
2410 petro. jelly & waxes	0	0	0	—	—
2429 naphtha & solvents	16	—	1	—	15
2540 petroleum coke	216	7	208	—	—
2640 liquid natural gas	7	—	7	—	—
Total chemicals and related products	125	101	23	—	—
Subtotal fertilizers	46	45	1	—	—
3110 nitrogenous fert.	45	45	0	—	—
3130 potassic fert.	0	—	0	—	—
3190 fert. & mixes nec	1	—	1	—	—
Subtotal other chemicals and related products	79	57	22	—	—
3211 acyclic hydrocarbons	37	37	—	—	—
3219 other hydrocarbons	0	—	0	—	—
3220 alcohols	4	4	0	—	—
3230 carboxylic acids	0	—	0	—	—
3240 nitrogen func. comp.	0	0	0	—	—
3250 organo - inorg. comp.	0	0	0	—	—
3260 organic comp. nec	0	0	0	—	—
3274 sodium hydroxide	0	—	0	—	—
3275 inorg. elem.oxides, & halogen salts	1	0	0	—	—
3276 metallic salts	20	16	4	—	—
3279 inorganic chem. nec	0	—	0	—	—
3282 pigments & paints	2	—	2	—	—
3283 coloring mat. nec	0	—	0	—	—
3284 medicines	0	—	0	—	—
3285 perfumes & cleansers	1	0	1	—	—
3286 plastics	9	0	9	—	—
3291 pesticides	0	—	0	—	—
3292 starches, gluten, glue	2	—	2	—	—
3297 chemical additives	0	—	0	—	—
3298 wood & resin chem.	0	—	0	—	—
3299 chem. products nec	1	—	1	—	—
Total crude materials, inedible except fuels	786	285	36	465	—
Subtotal forest products, wood and chips	36	0	2	34	—
4170 wood in the rough	0	0	—	—	—
4189 lumber	36	0	2	34	—
4190 forest products nec	0	0	0	—	—
Subtotal pulp and waste paper	29	—	29	—	—
4225 pulp & waste paper	29	—	29	—	—
Subtotal soil, sand, gravel, rock and stone	431	0	0	431	—
4323 gypsum	431	0	0	431	—
4331 sand & gravel	0	—	0	—	—
Subtotal non-ferrous ores and scrap	71	71	0	—	—
4650 aluminum ore	0	—	0	—	—
4680 non-ferrous scrap	28	28	0	—	—
4690 non-ferrous ores nec	43	43	0	—	—
Subtotal sulphur, clay and salt	24	24	1	—	—
4782 clay & refrac. mat.	24	24	1	—	—
Subtotal other non-metal. min.	194	190	5	—	—
4900 non-metal. min. nec	194	190	5	—	—
Total primary manufactured goods	291	208	83	—	—
Subtotal paper products	72	0	72	—	—
5110 newsprint	2	—	2	—	—
5120 paper & paperboard	64	—	64	—	—
5190 paper products nec	6	0	6	—	—

WILMINGTON HARBOR, DE
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Subtotal lime, cement and glass	16	14	2	---	---
5220 cement & concrete	1	---	1	---	---
5240 glass & glass prod.	0	---	0	---	---
5290 misc. mineral prod.	15	14	1	---	---
Subtotal primary iron and steel products	138	135	3	---	---
5320 i&s primary forms	0	---	0	---	---
5330 i&s plates & sheets	20	18	3	---	---
5360 i&s bars & shapes	110	110	0	---	---
5370 i&s pipe & tube	7	7	0	---	---
5390 primary i&s nec	1	0	0	---	---
Subtotal primary non-ferrous metal products	64	58	6	---	---
5421 copper	3	---	3	---	---
5422 aluminum	2	1	1	---	---
5429 smelted prod. nec	55	54	0	---	---
5480 fab. metal products	4	3	1	---	---
Subtotal primary wood products	1	---	1	---	---
5540 primary wood prod.	1	---	1	---	---
Total food and farm products	1,911	1,858	53	---	0
Subtotal fish	18	15	2	---	---
6134 fish (not shellfish)	15	13	2	---	---
6136 shellfish	3	2	0	---	---
Subtotal grain	3	3	0	---	---
6344 corn	3	3	0	---	---
6442 rice	0	---	0	---	---
6443 barley & rye	0	---	0	---	---
6447 sorghum grains	0	---	0	---	---
Subtotal oilseeds	0	0	0	---	---
6522 soybeans	0	---	0	---	---
6534 flaxseed	0	---	0	---	---
6590 oilseeds nec	0	0	0	---	---
Subtotal vegetable products	52	29	23	---	---
6653 vegetable oils	0	---	0	---	---
6654 vegetables & prod.	52	29	23	---	---
Subtotal processed grain and animal feed	5	0	5	---	0
6746 wheat flour	0	---	0	---	---
6747 grain mill products	1	---	1	---	0
6781 hay & fodder	1	---	1	---	---
6782 animal feed, prep.	3	0	3	---	---
Subtotal other agricultural products	1,833	1,811	22	---	---
6811 meat, fresh, frozen	55	53	2	---	---
6817 meat, prepared	0	0	0	---	---
6822 dairy products	5	1	4	---	---
6835 fish, prepared	0	0	0	---	---
6838 tallow, animal oils	0	---	0	---	---
6839 animals & prod. nec	1	1	0	---	---
6856 bananas & plantains	1,311	1,311	---	---	---
6857 fruit & nuts nec	298	293	4	---	---
6858 fruit juices	152	151	1	---	---
6861 sugar	0	---	0	---	---
6871 coffee	0	0	0	---	---
6872 cocoa beans	1	0	0	---	---
6885 alcoholic beverages	1	---	1	---	---
6888 water & ice	0	---	0	---	---
6889 food products nec	8	1	7	---	---
6891 tobacco & products	0	---	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	231	139	92	---	---
7110 machinery (not elec)	4	1	3	---	---
7120 electrical machinery	6	3	3	---	---
7210 vehicles & parts	204	131	73	---	---
7220 aircraft & parts	0	---	0	---	---
7230 ships & boats	0	0	0	---	---
7300 ordnance & access.	0	---	0	---	---
7400 manufac. wood prod.	2	2	0	---	---
7500 textile products	8	1	7	---	---
7600 rubber & plastic pr.	3	0	3	---	---
7900 manufac. prod. nec	3	0	3	---	---
Total unknown or not elsewhere classified	7	0	7	---	---
9900 unknown or nec	7	0	7	---	---

WILMINGTON HARBOR, DE
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	1,150	72	32	654	351	41
Total petroleum and petroleum products	1,118	41	32	653	351	41
Subtotal petroleum products	1,118	41	32	653	351	41
2211 gasoline	5	5	—	—	—	—
2330 distillate fuel oil	203	12	—	173	18	—
2340 residual fuel oil	910	24	32	480	333	41
2350 lube oil & greases	1	—	—	1	—	—
Total primary manufactured goods	5	5	—	0	—	—
Subtotal primary iron and steel products	5	5	—	—	—	—
5390 primary i&s nec	5	5	—	—	—	—
Subtotal primary non-ferrous metal products	0	—	—	0	—	—
5480 fab. metal products	0	—	—	0	—	—
Total food and farm products	0	—	—	0	—	—
Subtotal other agricultural products	0	—	—	0	—	—
6888 water & ice	0	—	—	0	—	—
Total all manufactured equipment, machinery and products	27	27	—	—	—	—
7120 electrical machinery	27	27	—	—	—	—

*Includes 116 (x1000) tons of foreign inbound in-transits; Includes 158 (x1000) tons of foreign outbound 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
1990	12,905	1993	14,533	1996	14,290	1999	14,556
1991	12,662	1994	13,634	1997	14,722		
1992	13,529	1995	12,815	1998	14,167		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total*	Foreign		Total	Domestic			
		Through			Coastwise		Internal	
		Upbound	Downbnd		Through		Through	
					Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	14,556	2,404	2,386	9,766	1,678	1,244	1,823	5,022
Total coal	2,626	109	31	2,486	1,143	—	1,343	—
1100 coal lignite	2,626	109	31	2,486	1,143	—	1,343	—
Total petroleum and petroleum products	3,969	160	385	3,425	209	704	422	2,090
Subtotal crude petroleum	66	—	—	66	—	—	—	66
2100 crude petroleum	66	—	—	66	—	—	—	66
Subtotal petroleum products	3,903	160	385	3,359	209	704	422	2,024
2211 gasoline	694	54	26	614	6	149	204	255
2221 kerosene	9	—	—	9	—	7	—	2
2330 distillate fuel oil	858	—	39	818	123	70	133	492
2340 residual fuel oil	882	18	143	721	15	141	77	487
2350 lube oil & greases	6	—	—	6	—	6	—	—
2410 petro. jelly & waxes	67	4	—	64	—	64	—	—
2429 naphtha & solvents	67	—	—	67	—	—	—	67
2430 asphalt, tar & pitch	1,293	84	156	1,052	64	267	—	721
2640 liquid natural gas	20	—	20	—	—	—	—	—
2990 petro. products nec	9	—	—	9	—	—	9	—
Total chemicals and related products	816	91	70	656	81	122	18	434
Subtotal fertilizers	61	13	35	13	—	—	13	—
3110 nitrogenous fert.	13	—	—	13	—	—	13	—
3120 phosphatic fert.	26	13	13	—	—	—	—	—
3130 potassic fert.	22	—	22	—	—	—	—	—
Subtotal other chemicals and related products	755	77	35	643	81	122	5	434
3212 benzene & toluene	23	—	—	23	—	11	—	12
3219 other hydrocarbons	20	—	—	20	6	—	—	14
3220 alcohols	292	—	—	292	6	43	—	244

INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE BAY, DE AND MD - CHESAPEAKE AND DELAWARE CANAL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total*	Foreign		Total	Domestic			
		Through			Coastwise		Internal	
		Upbound	Downbnd		Through		Upbound	Downbnd
					Upbound	Downbnd		
3260 organic comp. nec	20	—	—	20	—	20	—	—
3272 sulphuric acid	39	—	7	32	—	—	—	32
3273 ammonia	13	13	—	—	—	—	—	—
3274 sodium hydroxide	80	7	—	72	28	32	5	7
3275 inorg. elem., oxides, & halogen salts	2	—	2	—	—	—	—	—
3276 metallic salts	106	—	—	106	—	—	—	106
3297 chemical additives	67	—	—	67	42	6	—	19
3299 chem. products nec	94	57	26	11	—	11	—	—
Total crude materials, inedible except fuels	3,532	503	425	2,603	55	24	30	2,493
Subtotal pulp and waste paper	14	14	—	—	—	—	—	—
4225 pulp & waste paper	14	14	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	3,380	449	355	2,576	55	—	30	2,491
4322 limestone	95	40	—	55	55	—	—	—
4323 gypsum	764	409	355	—	—	—	—	—
4331 sand & gravel	2,521	—	—	2,521	—	—	30	2,491
Subtotal iron ore and scrap	40	6	10	24	—	24	—	—
4420 iron & steel scrap	40	6	10	24	—	24	—	—
Subtotal slag	67	7	58	2	—	—	—	2
4860 slag	67	7	58	2	—	—	—	2
Subtotal other non-metal. min.	29	28	2	—	—	—	—	—
4900 non-metal. min. nec	29	28	2	—	—	—	—	—
Total primary manufactured goods	978	357	156	465	100	351	10	5
Subtotal paper products	89	51	37	1	—	1	—	—
5120 paper & paperboard	1	—	—	1	—	1	—	—
5190 paper products nec	88	51	37	—	—	—	—	—
Subtotal lime, cement and glass	475	16	—	455	95	349	6	5
5220 cement & concrete	471	16	—	455	95	349	6	5
5290 misc. mineral prod.	4	—	—	4	—	—	4	—
Subtotal primary iron and steel products	49	24	20	5	5	—	—	—
5312 pig iron	3	3	—	—	—	—	—	—
5315 ferro alloys	34	16	18	—	—	—	—	—
5360 i&s bars & shapes	2	—	2	—	—	—	—	—
5390 primary i&s nec	10	5	—	5	5	—	—	—
Subtotal primary non-ferrous metal products	366	266	99	1	—	0	0	0
5422 aluminum	24	15	9	—	—	—	—	—
5480 fab. metal products	342	251	91	1	—	0	0	0
Total food and farm products	180	72	30	79	78	0	—	—
Subtotal other agricultural products	180	72	30	79	78	0	—	—
6861 sugar	41	41	—	—	—	—	—	—
6865 molasses	56	31	25	—	—	—	—	—
6885 alcoholic beverages	6	—	5	0	—	0	—	—
6889 food products nec	78	—	—	78	78	—	—	—
Total all manufactured equipment, machinery and products	2,455	1,112	1,289	54	11	43	0	0
7110 machinery (not elec)	3	1	2	0	—	—	0	—
7120 electrical machinery	4	—	—	4	4	0	—	—
7210 vehicles & parts	354	160	194	—	—	—	—	—
7230 ships & boats	0	—	—	0	—	0	—	0
7300 ordnance & access.	1	—	1	—	—	—	—	—
7600 rubber & plastic pr.	36	28	8	0	—	0	—	—
7900 manufac. prod. nec	2,056	924	1,083	49	6	42	—	—
Ton-miles (x1000)	668,816	110,575	109,762	448,479	77,006	57,045	83,641	230,787
Tons All Traffic (x1000)		14,556						
Ton-miles All Traffic (x1000)		668,816						

*Totals have been adjusted to reflect modifications to internal tonnage assignments

Other Harbors and Waterways 1999

Harbor or Waterway Project	Commodity	Thousand Short Tons
ABSECON CREEK, NJ	No Commerce Reported	
ABSECON INLET, NJ	6134 fish (not shellfish) 6136 shellfish	4 0
	Total Tons(x1000)	4
	Total Ton-miles(x1000)	4
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) 6136 shellfish	4 0
	Total Tons(x1000)	5
	Total Ton-miles(x1000)	5
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	12 2
	Total Tons(x1000)	14
	Total Ton-miles(x1000)	14
COOPER RIVER, NJ	No Commerce Reported	
HARBOR OF REFUGE, DELAWARE BAY, DE	5480 fab. metal products	0
	Total Tons(x1000)	0
HOPE CREEK, NJ	No Commerce Reported	
INDIAN RIVER INLET AND BAY, DE	No Commerce Reported	
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	6134 fish (not shellfish) 6136 shellfish	0 0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
MANTUA CREEK, NJ	No Commerce Reported	
MAURICE RIVER, NJ	4515 marine shells	6
	6134 fish (not shellfish)	0
	6136 shellfish	3
	Total Tons(x1000)	9
	Total Ton-miles(x1000)	31
MISPILLION RIVER, DE	No Commerce Reported	
MURDERKILL RIVER, DE	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
NEW JERSEY INTRACOASTAL WATERWAY	6134 fish (not shellfish)	17
	6136 shellfish	3
	Total Tons(x1000)	19
	Total Ton-miles(x1000)	168
OLDMANS CREEK, NJ	No Commerce Reported	
PEPPER CREEK, DE	No Commerce Reported	
SALEM RIVER, NJ	1100 coal lignite	0
	2350 lube oil & greases	0
	2429 naphtha & solvents	2
	2540 petroleum coke	0
	2640 liquid natural gas	4
	3110 nitrogenous fert.	0
	3190 fert. & mixes nec	0
	3219 other hydrocarbons	0
	3220 alcohols	0
	3230 carboxylic acids	0
	3240 nitrogen func. comp.	0
	3275 inorg. elem.,oxides, & halogen salts	0
	3276 metallic salts	0
	3282 pigments & paints	0
	3284 medicines	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3291 pesticides	0
	3292 starches, gluten, glue	0
	3297 chemical additives	0
	3299 chem. products nec	0
	4170 wood in the rough	0
	4189 lumber	1
	4190 forest products nec	0
	4310 building stone	0
	4323 gypsum	0
	4331 sand & gravel	0
	4680 non-ferrous scrap	0
	4900 non-metal. min. nec	0
	5120 paper & paperboard	0
	5190 paper products nec	1
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	3
	5320 i&s primary forms	0
	5330 i&s plates & sheets	0
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5390 primary i&s nec	0
	5421 copper	0
	5422 aluminum	0
	5480 fab. metal products	2
	5540 primary wood prod.	0
	6134 fish (not shellfish)	2
	6136 shellfish	0
	6344 corn	0
	6442 rice	0
	6653 vegetable oils	0
	6654 vegetables & prod.	2
	6746 wheat flour	1

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SALEM RIVER, NJ - continued	6747 grain mill products	1
	6781 hay & fodder	0
	6782 animal feed, prep.	1
	6811 meat, fresh, frozen	2
	6817 meat, prepared	0
	6822 dairy products	0
	6835 fish, prepared	0
	6839 animals & prod. nec	1
	6857 fruit & nuts nec	1
	6858 fruit juices	1
	6871 coffee	0
	6872 cocoa beans	0
	6885 alcoholic beverages	2
	6888 water & ice	1
	6889 food products nec	5
	6891 tobacco & products	0
	6899 farm products nec	0
	7110 machinery (not elec)	1
	7120 electrical machinery	1
	7210 vehicles & parts	0
	7230 ships & boats	0
	7300 ordnance & access.	0
	7400 manufac. wood prod.	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	2
	9900 unknown or nec	1
	Total Tons(x1000)	43
	Total Ton-miles(x1000)	130
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
1990	39,538	1993	37,170	1996	43,552	1999	37,287
1991	37,745	1994	41,450	1997	40,029		
1992	37,656	1995	44,696	1998	40,114		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	23,072	12,005	6,287	3,459	1,321
Total coal	6,818	1,312	4,194	—	1,313
1100 coal lignite	5,536	29	4,194	—	1,313
1200 coal coke	1,283	1,283	—	—	—
Total petroleum and petroleum products	574	540	24	10	—
Subtotal petroleum products	574	540	24	10	—
2211 gasoline	51	51	—	—	—
2330 distillate fuel oil	123	123	—	—	—
2340 residual fuel oil	200	184	16	—	—
2350 lube oil & greases	4	0	4	—	—
2410 petro. jelly & waxes	4	1	3	—	—
2429 naphtha & solvents	0	0	0	—	—
2430 asphalt, tar & pitch	1	0	0	—	—
2540 petroleum coke	191	181	0	10	—
2640 liquid natural gas	0	—	0	—	—
Total chemicals and related products	663	474	155	27	7
Subtotal fertilizers	180	152	3	24	—
3110 nitrogenous fert.	81	81	—	—	—
3130 potassic fert.	24	0	0	24	—
3190 fert. & mixes nec	74	71	3	—	—
Subtotal other chemicals and related products	483	321	152	3	7
3211 acyclic hydrocarbons	4	4	0	—	—
3212 benzene & toluene	0	—	0	—	—
3219 other hydrocarbons	4	2	2	—	—
3220 alcohols	13	5	8	—	—
3230 carboxylic acids	15	6	9	0	—
3240 nitrogen func. comp.	11	7	4	—	—
3250 organo - inorg. comp.	10	5	5	—	—
3260 organic comp. nec	15	2	13	—	0
3272 sulphuric acid	0	0	—	—	—
3273 ammonia	0	0	—	—	—
3274 sodium hydroxide	77	70	0	—	7
3275 inorg. elem., oxides, & halogen salts	128	116	12	—	0
3276 metallic salts	46	38	8	—	—
3279 inorganic chem. nec	7	7	0	—	—
3281 radioactive material	2	2	1	0	—
3282 pigments & paints	14	8	6	—	—
3283 coloring mat. nec	7	7	0	—	—
3284 medicines	3	1	2	—	0
3285 perfumes & cleansers	12	3	8	—	0
3286 plastics	76	20	55	0	0
3291 pesticides	4	1	3	—	—
3292 starches, gluten, glue	5	3	2	—	—
3293 explosives	1	1	0	—	—
3297 chemical additives	3	2	2	—	0
3298 wood & resin chem.	1	0	0	—	—
3299 chem. products nec	24	11	11	3	—
Total crude materials, inedible except fuels	8,743	4,858	466	3,417	1
Subtotal forest products, wood and chips	387	140	245	2	1
4110 rubber & gums	49	48	0	0	—
4150 fuel wood	0	—	0	—	—
4161 wood chips	3	—	2	—	1
4170 wood in the rough	47	2	45	—	—
4189 lumber	286	87	197	2	—
4190 forest products nec	3	2	0	—	—
Subtotal pulp and waste paper	455	394	60	—	—
4225 pulp & waste paper	455	394	60	—	—
Subtotal soil, sand, gravel, rock and stone	1,779	286	19	1,474	0
4310 building stone	14	1	13	—	—
4322 limestone	0	0	0	—	—
4323 gypsum	1,477	0	3	1,474	0
4327 phosphate rock	1	—	1	—	—
4331 sand & gravel	287	285	2	—	—
Subtotal iron ore and scrap	3,811	1,919	18	1,874	—
4410 iron ore	3,779	1,905	—	1,874	—
4420 iron & steel scrap	32	14	18	—	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—

BALTIMORE HARBOR AND CHANNELS, MD
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Subtotal non-ferrous ores and scrap	947	787	91	68	---
4630 copper ore	0	0	---	---	---
4650 aluminum ore	677	677	0	---	---
4670 manganese ore	63	51	12	---	---
4680 non-ferrous scrap	114	43	3	68	---
4690 non-ferrous ores nec	93	17	76	---	---
Subtotal sulphur, clay and salt	73	58	15	---	---
4782 clay & refrac. mat.	73	58	15	---	---
Subtotal slag	206	206	---	---	---
4860 slag	206	206	---	---	---
Subtotal other non-metal. min.	1,086	1,068	18	---	---
4900 non-metal. min. nec	1,086	1,068	18	---	---
Total primary manufactured goods	2,723	2,465	257	1	0
Subtotal paper products	552	475	77	0	0
5110 newsprint	10	10	0	---	---
5120 paper & paperboard	422	353	69	0	0
5190 paper products nec	120	112	8	0	---
Subtotal lime, cement and glass	578	542	35	0	---
5220 cement & concrete	388	387	0	---	---
5240 glass & glass prod.	46	35	11	0	---
5290 misc. mineral prod.	144	120	24	0	---
Subtotal primary iron and steel products	765	669	95	0	0
5312 pig iron	45	45	0	---	---
5315 ferro alloys	208	207	0	---	---
5320 i&s primary forms	77	77	0	---	---
5330 i&s plates & sheets	233	150	82	0	---
5360 i&s bars & shapes	152	151	1	---	0
5370 i&s pipe & tube	32	23	10	---	---
5390 primary i&s nec	17	16	1	---	---
Subtotal primary non-ferrous metal products	764	728	36	0	0
5421 copper	80	79	0	---	---
5422 aluminum	426	418	8	---	0
5429 smelted prod. nec	175	168	6	---	---
5480 fab. metal products	83	62	21	0	0
Subtotal primary wood products	64	50	13	0	---
5540 primary wood prod.	64	50	13	0	---
Total food and farm products	1,846	1,170	676	0	0
Subtotal fish	12	12	0	---	---
6134 fish (not shellfish)	11	10	0	---	---
6136 shellfish	2	2	0	---	---
Subtotal grain	46	20	25	---	---
6344 corn	29	4	25	---	---
6442 rice	17	16	0	---	---
Subtotal oilseeds	581	4	576	---	---
6521 peanuts	0	---	0	---	---
6522 soybeans	574	---	574	---	---
6590 oilseeds nec	7	4	2	---	---
Subtotal vegetable products	51	42	9	---	---
6653 vegetable oils	7	7	0	---	---
6654 vegetables & prod.	44	36	8	---	---
Subtotal processed grain and animal feed	21	8	13	0	---
6746 wheat flour	0	0	0	---	---
6747 grain mill products	10	6	4	0	---
6781 hay & fodder	0	---	0	---	---
6782 animal feed, prep.	11	2	9	---	---
Subtotal other agricultural products	1,136	1,083	52	0	0
6811 meat, fresh, frozen	20	6	14	---	---
6817 meat, prepared	27	25	2	---	---
6822 dairy products	6	4	2	---	---
6835 fish, prepared	26	26	0	---	---
6838 tallow, animal oils	1	0	1	---	---
6839 animals & prod. nec	2	2	1	---	---
6856 bananas & plantains	1	1	---	---	---
6857 fruit & nuts nec	10	8	2	---	---
6858 fruit juices	76	72	4	---	---
6861 sugar	542	542	0	---	---
6865 molasses	218	218	0	---	---
6871 coffee	24	24	0	---	---
6872 cocoa beans	1	1	0	---	---
6885 alcoholic beverages	106	100	7	0	---
6888 water & ice	25	24	0	---	---
6889 food products nec	44	29	15	---	0
6891 tobacco & products	6	1	5	---	---
6893 cotton	0	0	0	---	---
6894 natural fibers nec	0	0	---	---	---
6899 farm products nec	1	1	0	---	---
Total all manufactured equipment, machinery and products	1,680	1,175	500	5	0
7110 machinery (not elec)	663	462	201	0	0
7120 electrical machinery	45	22	23	---	0
7210 vehicles & parts	680	477	199	4	0
7220 aircraft & parts	1	1	0	---	---
7230 ships & boats	5	2	3	0	---
7300 ordnance & access.	2	0	1	---	---

BALTIMORE HARBOR AND CHANNELS, MD
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
7400 manufac. wood prod.	26	18	8	0	—
7500 textile products	30	20	10	0	0
7600 rubber & plastic pr.	107	79	28	0	0
7900 manufac. prod. nec	120	95	25	1	—
Total unknown or not elsewhere classified	26	11	14	—	—
9900 unknown or nec	26	11	14	—	—
Ton-miles (x1000) Foreign & Canadian	207,649	108,042	56,584	31,134	11,889

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	14,215	2,309	1,443	6,964	1,769	173	1,556
Total coal	6,032	—	991	3,677	333	—	1,031
1100 coal lignite	6,032	—	991	3,677	333	—	1,031
Total petroleum and petroleum products	3,828	1,666	33	1,344	244	155	388
Subtotal petroleum products	3,828	1,666	33	1,344	244	155	388
2211 gasoline	918	575	1	283	52	4	3
2221 kerosene	53	51	—	—	1	—	—
2330 distillate fuel oil	775	330	—	365	73	2	5
2340 residual fuel oil	1,331	439	—	294	107	121	370
2350 lube oil & greases	5	—	—	5	—	—	—
2410 petro. jelly & waxes	77	77	—	—	—	—	—
2429 naphtha & solvents	13	—	—	—	3	5	5
2430 asphalt, tar & pitch	656	194	32	397	7	21	5
Total chemicals and related products	347	24	—	193	4	1	124
Subtotal fertilizers	19	—	—	18	—	1	—
3110 nitrogenous fert.	19	—	—	18	—	1	—
Subtotal other chemicals and related products	327	24	—	175	4	—	124
3212 benzene & toluene	25	13	—	12	—	—	—
3219 other hydrocarbons	10	—	—	10	—	—	—
3260 organic comp. nec	0	0	—	—	—	—	—
3272 sulphuric acid	152	—	—	27	—	—	124
3274 sodium hydroxide	19	10	—	8	—	—	—
3276 metallic salts	106	—	—	106	—	—	—
3285 perfumes & cleansers	0	0	—	—	—	—	—
3297 chemical additives	15	—	—	11	4	—	—
3299 chem. products nec	1	1	—	—	—	—	—
Total crude materials, inedible except fuels	1,714	0	55	1,296	357	3	2
Subtotal forest products, wood and chips	1	0	—	0	0	0	0
4150 fuel wood	0	—	—	0	—	—	0
4170 wood in the rough	0	—	—	—	0	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	1,589	—	55	1,222	307	3	2
4322 limestone	55	—	55	—	—	—	—
4331 sand & gravel	1,532	—	—	1,222	305	3	2
4335 waterway improv. mat	1	—	—	—	1	—	—
Subtotal iron ore and scrap	0	—	—	—	—	0	—
4420 iron & steel scrap	0	—	—	—	—	0	—
Subtotal marine shells	73	—	—	73	—	—	—
4515 marine shells	73	—	—	73	—	—	—
Subtotal slag	51	—	—	1	50	—	—
4860 slag	51	—	—	1	50	—	—
Total primary manufactured goods	798	383	277	10	115	12	2
Subtotal paper products	1	1	—	—	—	—	—
5120 paper & paperboard	1	1	—	—	—	—	—
Subtotal lime, cement and glass	744	363	277	7	87	11	0
5220 cement & concrete	736	363	277	—	87	10	—
5240 glass & glass prod.	0	0	—	—	—	—	—
5290 misc. mineral prod.	8	0	—	7	—	1	0
Subtotal primary iron and steel products	2	—	—	—	1	1	0
5320 i&s primary forms	1	—	—	—	—	1	0
5360 i&s bars & shapes	0	—	—	—	—	0	0
5370 i&s pipe & tube	2	—	—	—	1	0	0
Subtotal primary non-ferrous metal products	51	19	—	3	27	0	1
5421 copper	0	0	—	—	—	—	—

BALTIMORE HARBOR AND CHANNELS, MD
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
5422 aluminum	0	0	—	—	—	—	—
5480 fab. metal products	51	19	—	3	27	0	1
Total food and farm products	275	183	81	—	0	2	8
Subtotal other agricultural products	275	183	81	—	0	2	8
6861 sugar	160	160	—	—	—	—	—
6885 alcoholic beverages	23	23	—	—	—	—	—
6888 water & ice	11	0	—	—	0	2	8
6889 food products nec	81	0	81	—	—	—	—
Total all manufactured equipment, machinery and products	1,220	53	7	444	717	0	0
7110 machinery (not elec)	3	0	—	0	2	0	0
7120 electrical machinery	0	0	—	—	—	—	—
7210 vehicles & parts	0	0	—	—	0	0	0
7230 ships & boats	0	0	—	0	—	—	—
7600 rubber & plastic pr.	1	1	—	—	—	—	—
7900 manufac. prod. nec	1,216	52	7	443	714	—	—
Total waste and scrap nec	1	—	—	0	—	0	—
8900 waste and scrap nec	1	—	—	0	—	0	—
Ton-miles (x1000) Domestic	116,443	22,275	14,412	54,486	18,476	343	6,452
Tons All Traffic (x1000)	37,287						
Ton-miles All Traffic (x1000)	324,092						

*Includes 51 (x1000) tons of foreign inbound in-transits; Includes 12 (x1000) tons of foreign outbound in-transits;
 Includes 0 (x1000) tons of Canadian inbound 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
1990	1,205	1993	1,425	1996	1,845	1999	2,523
1991	865	1994	1,986	1997	2,118		
1992	901	1995	2,111	1998	1,885		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal
		Outbound Downbnd
Total, all commodities	2,523	2,523
Total crude materials, inedible except fuels	2,523	2,523
Subtotal soil, sand, gravel, rock and stone	2,521	2,521
4331 sand & gravel	2,521	2,521
Subtotal slag	2	2
4860 slag	2	2
Ton-miles (x1000)	19,681	19,681
Tons All Traffic (x1000)	2,523	
Ton-miles All Traffic (x1000)	19,681	

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
1990	235	1993	466	1996	644	1999	1,011
1991	302	1994	529	1997	462		
1992	339	1995	541	1998	673		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Outbound
		Upbound	Downbnd
Total, all commodities	1,011	675	335
Total petroleum and petroleum products	164	156	9
Subtotal petroleum products	164	156	9
2211 gasoline	2	2	—
2221 kerosene	1	1	—
2330 distillate fuel oil	87	87	—
2340 residual fuel oil	65	65	—
2990 petro. products nec	9	—	9
Total chemicals and related products	82	80	2
Subtotal fertilizers	82	80	2
3110 nitrogenous fert.	74	72	2
3190 fert. & mixes nec	8	8	—
Total crude materials, inedible except fuels	717	421	297
Subtotal soil, sand, gravel, rock and stone	704	407	297
4331 sand & gravel	704	407	297
Subtotal marine shells	3	3	—
4515 marine shells	3	3	—
Subtotal slag	10	10	—
4860 slag	10	10	—
Total food and farm products	47	18	28
Subtotal grain	34	18	15
6241 wheat	10	—	10
6344 corn	17	17	—
6443 barley & rye	8	2	6
Subtotal oilseeds	13	—	13
6522 soybeans	13	—	13
Ton-miles (x1000)	38,510	25,204	13,306
Tons All Traffic (x1000)	1,011		
Ton-miles All Traffic (x1000)	38,510		

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
1990	1,016	1993	1,044	1996	1,179	1999	1,506
1991	879	1994	1,141	1997	1,165		
1992	964	1995	1,291	1998	1,267		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal			
		Inbound	Outbound	Intra	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,506	1,498	3	1	4
Total petroleum and petroleum products	673	673	—	—	—
Subtotal petroleum products	673	673	—	—	—
2211 gasoline	463	463	—	—	—
2221 kerosene	2	2	—	—	—
2330 distillate fuel oil	183	183	—	—	—
2340 residual fuel oil	25	25	—	—	—
Total chemicals and related products	4	4	—	—	—
Subtotal other chemicals and related products	4	4	—	—	—
3219 other hydrocarbons	4	4	—	—	—

WICOMICO RIVER, MD (EASTERN SHORE)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Internal			
		Inbound	Outbound	Intra	
		Upbound	Downbnd	Upbound	Downbnd
Total crude materials, inedible except fuels	652	645	3	---	4
Subtotal soil, sand, gravel, rock and stone	648	645	3	---	---
4331 sand & gravel	648	645	3	---	---
Subtotal marine shells	4	---	---	---	4
4515 marine shells	4	---	---	---	4
Total food and farm products	178	176	---	1	---
Subtotal fish	1	---	---	1	---
6136 shellfish	1	---	---	1	---
Subtotal grain	147	147	---	---	---
6241 wheat	8	8	---	---	---
6344 corn	139	139	---	---	---
Subtotal oilseeds	27	27	---	---	---
6522 soybeans	27	27	---	---	---
Subtotal vegetable products	2	2	---	---	---
6654 vegetables & prod.	2	2	---	---	---
Subtotal processed grain and animal feed	1	1	---	---	---
6746 wheat flour	1	1	---	---	---
Ton-miles (x1000)	37,397	37,221	72	25	78

Tons All Traffic (x1000) **1,506**
Ton-miles All Traffic (x1000) **37,397**

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
1990	1,053	1993	349	1996	383	1999	521
1991	566	1994	340	1997	431		
1992	354	1995	357	1998	398		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Outbound
		Upbound	Downbnd
Total, all commodities	521	146	374
Total petroleum and petroleum products	12	---	12
Subtotal petroleum products	12	---	12
2340 residual fuel oil	12	---	12
Total crude materials, inedible except fuels	508	146	362
Subtotal forest products, wood and chips	361	---	361
4161 wood chips	361	---	361
Subtotal soil, sand, gravel, rock and stone	128	128	---
4331 sand & gravel	128	128	---
Subtotal marine shells	5	5	---
4515 marine shells	5	5	---
Subtotal slag	16	14	2
4860 slag	16	14	2
Total food and farm products	0	---	0
Subtotal fish	0	---	0
6136 shellfish	0	---	0
Ton-miles (x1000)	8,258	2,303	5,955

Tons All Traffic (x1000) **521**
Ton-miles All Traffic (x1000) **8,258**

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
1990	449	1993	662	1996	747	1999	760
1991	331	1994	704	1997	706		
1992	559	1995	860	1998	607		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal Receipts
Total, all commodities	760	760
Total petroleum and petroleum products	170	170
Subtotal petroleum products	170	170
2211 gasoline	43	43
2330 distillate fuel oil	102	102
2340 residual fuel oil	25	25
Total crude materials, inedible except fuels	591	591
Subtotal soil, sand, gravel, rock and stone	591	591
4331 sand & gravel	591	591
Total primary manufactured goods	0	0
Subtotal primary non-ferrous metal products	0	0
5480 fab. metal products	0	0
Total all manufactured equipment, machinery and products	0	0
7110 machinery (not elec)	0	0

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
1990	449	1993	662	1996	747	1999	760
1991	331	1994	704	1997	706		
1992	559	1995	860	1998	607		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal Inbound	Upbound
Total, all commodities	760	760	
Total petroleum and petroleum products	170	170	
Subtotal petroleum products	170	170	
2211 gasoline	43	43	
2330 distillate fuel oil	102	102	
2340 residual fuel oil	25	25	
Total crude materials, inedible except fuels	591	591	
Subtotal soil, sand, gravel, rock and stone	591	591	
4331 sand & gravel	591	591	
Ton-miles (x1000)		1,361	1,361
Tons All Traffic (x1000)	760		
Ton-miles All Traffic (x1000)	1,361		

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
1990	4,074	1993	2,725	1996	2,084	1999	3,799
1991	3,090	1994	3,247	1997	2,480		
1992	3,422	1995	2,433	1998	2,901		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
Total, all commodities	655	490	100	64
Total petroleum and petroleum products	629	490	100	39
Subtotal petroleum products	629	490	100	39
2330 distillate fuel oil	210	171	—	39
2340 residual fuel oil	378	278	100	—
2540 petroleum coke	41	41	—	—
Total primary manufactured goods	26	—	—	26
Subtotal paper products	26	—	—	26
5110 newsprint	26	—	—	26
Ton-miles (x1000) Foreign & Canadian	52,990	39,187	8,028	5,776

Commodity	Total	Coastwise	
		Receipts	Shipments
Total, all commodities	512	67	444
Total petroleum and petroleum products	512	67	444
Subtotal petroleum products	512	67	444
2211 gasoline	62	—	20
2330 distillate fuel oil	342	12	331
2340 residual fuel oil	77	51	25
2430 asphalt, tar & pitch	72	4	68
Ton-miles (x1000) Coastwise	9,136	1,140	7,996

Commodity	Total	Internal						
		Inbound		Outbound		Through		
		Upbound	Upbound	Downbnd	Upbound	Downbnd	Intra	
Total, all commodities	2,633	621	10	301	1,193	389	96	23
Total petroleum and petroleum products	1,171	593	10	289	159	—	96	23
Subtotal petroleum products	1,171	593	10	289	159	—	96	23
2211 gasoline	62	—	3	19	40	—	—	—
2330 distillate fuel oil	500	195	4	138	99	—	42	23
2340 residual fuel oil	324	160	3	103	21	—	36	—
2430 asphalt, tar & pitch	285	237	—	29	—	—	19	—
Total chemicals and related products	4	4	—	—	—	—	—	—
Subtotal other chemicals and related products	4	4	—	—	—	—	—	—
3297 chemical additives	4	4	—	—	—	—	—	—
Total crude materials, inedible except fuels	1,418	23	—	10	1,032	352	—	—
Subtotal soil, sand, gravel, rock and stone	1,401	17	—	4	1,029	352	—	—
4331 sand & gravel	1,401	17	—	4	1,029	352	—	—
Subtotal marine shells	17	7	—	6	3	1	—	—
4515 marine shells	17	7	—	6	3	1	—	—
Total primary manufactured goods	0	—	—	—	0	—	—	—
Subtotal primary non-ferrous metal products	0	—	—	—	0	—	—	—
5480 fab. metal products	0	—	—	—	0	—	—	—

POTOMAC RIVER BELOW WASHINGTON, DC
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	
Total food and farm products	40	1	0	2	1	37	---	---	
Subtotal fish	3	1	0	2	1	---	---	---	
6134 fish (not shellfish)	0	---	---	---	0	---	---	---	
6136 shellfish	3	1	0	2	1	---	---	---	
Subtotal grain	31	---	---	---	---	31	---	---	
6241 wheat	12	---	---	---	---	12	---	---	
6344 corn	14	---	---	---	---	14	---	---	
6443 barley & rye	5	---	---	---	---	5	---	---	
Subtotal oilseeds	7	---	---	---	---	7	---	---	
6522 soybeans	7	---	---	---	---	7	---	---	
Total all manufactured equipment, machinery and products	0	---	---	0	0	0	0	---	
7110 machinery (not elec)	0	---	---	0	0	0	0	---	
7230 ships & boats	0	---	---	0	---	---	---	---	
Ton-miles (x1000)	101,939	19,232	928	6,452	57,787	11,075	5,027	1,438	
Internal									
Tons All Traffic (x1000)		3,799							
Ton-miles All Traffic (x1000)		164,065							

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
1990	807	1993	190	1996	474	1999	471
1991	433	1994	79	1997	454		
1992	299	1995	246	1998	608		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal	
		Outbound	Downbnd
Total, all commodities	471	471	471
Total crude materials, inedible except fuels	471	471	471
Subtotal soil, sand, gravel, rock and stone	471	471	471
4331 sand & gravel	471	471	471
Ton-miles (x1000)	2,815	2,815	2,815
Tons All Traffic (x1000)		471	
Ton-miles All Traffic (x1000)		2,816	

OCOCOQUAN CREEK, VA

Section Included: From Potomac River to Occoquan Creek 6 miles. 6 feet deep and 150 feet wide from Potomac River to Taylor's Point and thence 100 feet wide to end of project. Controlling Depth: 6 feet. Project Depth: 6 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	732	1993	174	1996	311	1999	440
1991	356	1994	151	1997	244		
1992	265	1995	195	1998	376		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound Upbound	Outbound Downbnd
Total, all commodities	440	438	2
Total crude materials, inedible except fuels	440	438	2
Subtotal soil, sand, gravel, rock and stone	440	438	2
4331 sand & gravel	440	438	2
Ton-miles (x1000)	2,640	2,628	11
Tons All Traffic (x1000)	440		
Ton-miles All Traffic (x1000)	2,640		

Other Harbors and Waterways 1999

Harbor or Waterway Project	Commodity	Thousand Short Tons
ANNAPOLIS HARBOR, MD	No Commerce Reported	
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	No Commerce Reported	
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	4150 fuel wood 6134 fish (not shellfish) 6136 shellfish	0 18 1
	Total Tons(x1000)	19
CHANNEL TO ISLAND CREEK, ST. GEORGE ISLAND, MD	No Commerce Reported	
CHESTER RIVER, MD	4515 marine shells 6136 shellfish	2 2
	Total Tons(x1000)	3
	Total Ton-miles(x1000)	51
CHOPTANK RIVER, MD	4150 fuel wood 4170 wood in the rough 4331 sand & gravel 4515 marine shells 6134 fish (not shellfish) 6136 shellfish 7110 machinery (not elec)	0 0 201 23 18 3 0
	Total Tons(x1000)	245
	Total Ton-miles(x1000)	2,190
CLAIBORNE HARBOR, MD	No Commerce Reported	
COAN RIVER, VA	4515 marine shells 6136 shellfish	0 1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	2
CORSICA RIVER, MD	No Commerce Reported	
CRISFIELD HARBOR, MD	2211 gasoline 2221 kerosene 2330 distillate fuel oil 6136 shellfish 7900 manufac. prod. nec	0 0 1 1 0
	Total Tons(x1000)	2

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
CUCKOLD CREEK, MD	No Commerce Reported	
DUCK POINT COVE, MD	6134 fish (not shellfish) 6136 shellfish	0 1
	Total Tons(x1000) Total Ton-miles(x1000)	1 1
ELK AND LITTLE ELK RIVERS, MD	No Commerce Reported	
FISHING BAY TRIBUTARIES, DORCHESTER COUNTY, MD	4515 marine shells 6136 shellfish	0 0
	Total Tons(x1000) Total Ton-miles(x1000)	0 1
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	
HONGA RIVER AND TAR BAY, MD	4515 marine shells 6134 fish (not shellfish) 6136 shellfish	0 2 10
	Total Tons(x1000) Total Ton-miles(x1000)	12 80
ISLAND CREEK, MD	4515 marine shells 6134 fish (not shellfish) 6136 shellfish	0 0 1
	Total Tons(x1000) Total Ton-miles(x1000)	2 2
KNAPPS NARROWS, MD	5480 fab. metal products	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 0
LAKE OGLETON, MD	4515 marine shells	2
	Total Tons(x1000)	2
LITTLE CREEK, QUEEN ANNES COUNTY, MD	No Commerce Reported	
LITTLE WICOMICO RIVER, VA	No Commerce Reported	
LOWER MACHODOC CREEK, VA	4515 marine shells 6134 fish (not shellfish) 6136 shellfish	0 0 0
	Total Tons(x1000) Total Ton-miles(x1000)	1 1
LOWER THOROUGHFARE AT OR NEAR WENONA, DEAL ISLAND, MD	6134 fish (not shellfish) 6136 shellfish	0 0
	Total Tons(x1000) Total Ton-miles(x1000)	0 0
LOWES WHARF, TALBOT COUNTY, MD	No Commerce Reported	
MANOKIN RIVER, MD	6134 fish (not shellfish)	0

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
MANOKIN RIVER, MD - continued	6136 shellfish	6
	Total Tons(x1000)	6
	Total Ton-miles(x1000)	35
MIDDLE RIVER AND DARK HEAD CREEK, MD	No Commerce Reported	
MILL CREEK, MD	No Commerce Reported	
MONROE BAY AND CREEK, VA	4515 marine shells	0
	6136 shellfish	0
	Total Tons(x1000)	0
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	4515 marine shells	0
	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	2
	Total Ton-miles(x1000)	2
NOMINI BAY AND CREEK, VA	No Commerce Reported	
NORTHEAST RIVER, MD	No Commerce Reported	
OCEAN CITY HARBOR AND INLET AND SINEPUXENT BAY, MD	6134 fish (not shellfish)	1
	6136 shellfish	10
	Total Tons(x1000)	11
PARISH CREEK, MD	No Commerce Reported	
PATUXENT RIVER, MD	2211 gasoline	43
	2330 distillate fuel oil	15
	2340 residual fuel oil	6
	4331 sand & gravel	44
	4515 marine shells	5
	6136 shellfish	0
	Total Tons(x1000)	115
	Total Ton-miles(x1000)	374
POTOMAC RIVER AT ALEXANDRIA, VA	5110 newsprint	26
	7110 machinery (not elec)	0
	7230 ships & boats	0
	Total Tons(x1000)	26
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	

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
POTOMAC RIVER, WASHINGTON CHANNEL, DC (INCLUDED IN REPORT FOR WASHINGTON HARBOR, DC)	5480 fab. metal products	0
	7110 machinery (not elec)	0
	Total Tons(x1000)	0
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	No Commerce Reported	
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	0
	6136 shellfish	1
	Total Tons(x1000)	1
ST. PATRICKS CREEK, MD	No Commerce Reported	
ST. PETERS CREEK, MD	No Commerce Reported	
TILGHMAN ISLAND HARBOR, MD	4331 sand & gravel	6
	6136 shellfish	0
	Total Tons(x1000)	6
TOWN CREEK, MD	No Commerce Reported	
TRED AVON RIVER, MD	4170 wood in the rough	0
	4331 sand & gravel	195
	4515 marine shells	2
	7110 machinery (not elec)	0
	Total Tons(x1000)	197
Total Ton-miles(x1000)	1,952	
TWITCH COVE AND BIG THOROUGHFARE RIVER, MD	2211 gasoline	0
	2221 kerosene	0
	2330 distillate fuel oil	1
	4515 marine shells	7
	6136 shellfish	0
	Total Tons(x1000)	8
Total Ton-miles(x1000)	22	
TYASKIN CREEK, MD	No Commerce Reported	
UPPER MACHODOC CREEK, VA	No Commerce Reported	
UPPER THOROUGHFARE, DEAL ISLAND, MD	No Commerce Reported	
WARWICK RIVER, MD	6134 fish (not shellfish)	0

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
WARWICK RIVER, MD - continued	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
WATERWAY FROM LITTLE CHOPTANK RIVER TO CHOPTANK RIVER, MD	No Commerce Reported	

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; 1-150

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	53,722	1993	45,544	1996	49,261	1999	41,618
1991	53,473	1994	45,774	1997	47,400		
1992	53,496	1995	47,658	1998	48,540		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	30,688	7,812	22,161	652	63
Total coal	16,864	0	16,804	—	60
1100 coal lignite	16,864	0	16,804	—	60
Total petroleum and petroleum products	2,495	2,171	47	277	0
Subtotal crude petroleum	1,445	1,257	—	188	—
2100 crude petroleum	1,445	1,257	—	188	—
Subtotal petroleum products	1,049	914	47	89	0
2211 gasoline	0	0	—	—	—
2221 kerosene	31	—	31	—	—
2330 distillate fuel oil	102	14	0	89	—
2340 residual fuel oil	317	314	3	—	—
2350 lube oil & greases	7	1	7	—	0
2410 petro. jelly & waxes	3	1	2	—	—
2429 naphtha & solvents	494	492	2	—	—
2430 asphalt, tar & pitch	1	0	1	—	—
2540 petroleum coke	1	0	1	—	—
2640 liquid natural gas	92	92	0	—	—
Total chemicals and related products	1,711	665	1,000	46	1
Subtotal fertilizers	646	183	417	45	—
3110 nitrogenous fert.	565	159	406	—	—
3120 phosphatic fert.	0	0	0	—	—
3130 potassic fert.	56	11	0	45	—
3190 fert. & mixes nec	24	13	11	0	—
Subtotal other chemicals and related products	1,065	482	583	0	1
3211 acyclic hydrocarbons	1	0	0	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	8	4	5	0	—
3220 alcohols	84	55	29	—	—
3230 carboxylic acids	59	35	24	0	—
3240 nitrogen func. comp.	88	23	64	—	0
3250 organo - inorg. comp.	66	43	23	—	—
3260 organic comp. nec	44	13	31	—	—
3272 sulphuric acid	0	—	0	—	—
3274 sodium hydroxide	24	24	0	—	—
3275 inorg. elem.,oxides, & halogen salts	64	35	30	—	—
3276 metallic salts	45	23	22	—	—
3279 inorganic chem. nec	4	4	0	—	—
3281 radioactive material	1	1	0	—	—
3282 pigments & paints	28	15	13	0	—
3283 coloring mat. nec	11	3	8	—	—
3284 medicines	28	12	16	—	—
3285 perfumes & cleansers	42	9	33	—	0
3286 plastics	326	115	211	—	0
3291 pesticides	11	2	9	0	—
3292 starches, gluten, glue	57	41	16	—	—
3293 explosives	1	1	0	—	—
3297 chemical additives	16	1	15	—	—
3298 wood & resin chem.	1	0	1	—	—
3299 chem. products nec	56	21	35	—	0
Total crude materials, inedible except fuels	2,502	751	1,430	320	—
Subtotal forest products, wood and chips	1,172	369	802	0	—
4110 rubber & gums	260	260	0	—	—
4150 fuel wood	4	2	2	—	—
4161 wood chips	239	0	239	—	—
4170 wood in the rough	112	3	109	—	—
4189 lumber	544	92	452	0	—
4190 forest products nec	12	11	1	0	—
Subtotal pulp and waste paper	422	13	408	—	—
4225 pulp & waste paper	422	13	408	—	—
Subtotal soil, sand, gravel, rock and stone	332	18	12	302	—
4310 building stone	2	2	0	—	—
4322 limestone	1	1	0	—	—
4323 gypsum	317	13	1	302	—
4331 sand & gravel	12	2	10	—	—

NORFOLK HARBOR, VA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Subtotal iron ore and scrap	152	1	133	18	---
4410 iron ore	18	---	0	18	---
4420 iron & steel scrap	133	1	132	---	---
Subtotal marine shells	0	0	---	---	---
4515 marine shells	0	0	---	---	---
Subtotal non-ferrous ores and scrap	222	165	56	---	---
4630 copper ore	0	---	0	---	---
4650 aluminum ore	7	7	0	---	---
4670 manganese ore	116	116	0	---	---
4680 non-ferrous scrap	38	12	26	---	---
4690 non-ferrous ores nec	60	30	29	---	---
Subtotal sulphur, clay and salt	28	13	15	---	---
4741 sulphur, (dry)	0	---	0	---	---
4782 clay & refrac. mat.	28	13	15	---	---
Subtotal slag	1	1	0	---	---
4860 slag	1	1	0	---	---
Subtotal other non-metal. min.	174	171	3	---	---
4900 non-metal. min. nec	174	171	3	---	---
Total primary manufactured goods	2,317	1,588	721	7	0
Subtotal paper products	639	188	444	6	0
5110 newsprint	1	1	0	0	---
5120 paper & paperboard	583	164	417	2	0
5190 paper products nec	54	24	27	4	---
Subtotal lime, cement and glass	939	869	69	0	0
5210 lime	0	---	0	---	---
5220 cement & concrete	654	654	0	---	---
5240 glass & glass prod.	76	49	27	0	---
5290 misc. mineral prod.	209	166	42	0	0
Subtotal primary iron and steel products	210	122	88	0	---
5312 pig iron	5	2	3	---	---
5315 ferro alloys	8	8	0	---	---
5320 i&s primary forms	13	10	2	---	---
5330 i&s plates & sheets	127	54	73	0	---
5360 i&s bars & shapes	28	25	2	---	---
5370 i&s pipe & tube	14	9	5	---	---
5390 primary i&s nec	15	13	2	---	---
Subtotal primary non-ferrous metal products	326	255	70	1	0
5421 copper	13	11	2	---	---
5422 aluminum	76	64	12	---	---
5429 smelted prod. nec	29	23	6	---	---
5480 fab. metal products	207	156	50	1	0
Subtotal primary wood products	204	154	50	0	---
5540 primary wood prod.	204	154	50	0	---
Total food and farm products	2,207	922	1,283	1	1
Subtotal fish	37	32	4	0	1
6134 fish (not shellfish)	31	28	3	---	1
6136 shellfish	6	4	1	0	0
Subtotal grain	278	15	263	---	0
6241 wheat	210	---	210	---	---
6344 corn	32	8	24	---	0
6442 rice	7	7	1	---	---
6443 barley & rye	26	---	26	---	---
6445 oats	1	---	1	---	---
6447 sorghum grains	1	---	1	---	---
Subtotal oilseeds	94	5	89	---	---
6521 peanuts	18	4	14	---	---
6522 soybeans	11	1	10	---	---
6590 oilseeds nec	66	1	65	---	---
Subtotal vegetable products	211	112	100	0	---
6653 vegetable oils	66	16	50	---	---
6654 vegetables & prod.	145	95	49	0	---
Subtotal processed grain and animal feed	272	46	226	---	---
6746 wheat flour	7	0	7	---	---
6747 grain mill products	33	13	20	---	---
6781 hay & fodder	5	0	4	---	---
6782 animal feed, prep.	228	33	194	---	---
Subtotal other agricultural products	1,314	711	602	0	1
6811 meat, fresh, frozen	203	8	195	0	---
6817 meat, prepared	23	4	18	---	---
6822 dairy products	5	3	2	---	---
6835 fish, prepared	20	18	1	---	---
6838 tallow, animal oils	18	0	18	---	---
6839 animals & prod. nec	26	11	15	0	0
6857 fruit & nuts nec	38	31	7	0	0
6858 fruit juices	48	40	9	---	0
6861 sugar	3	2	0	---	---
6865 molasses	0	0	---	---	---
6871 coffee	42	42	0	---	---
6872 cocoa beans	31	30	0	---	---
6885 alcoholic beverages	317	244	72	0	---
6888 water & ice	60	59	1	0	---
6889 food products nec	114	67	47	0	---
6891 tobacco & products	323	115	207	---	---
6893 cotton	27	24	3	---	---

NORFOLK HARBOR, VA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
6894 natural fibers nec	1	1	0	—	—
6899 farm products nec	17	12	5	0	—
Total all manufactured equipment, machinery and products	2,540	1,695	844	1	0
7110 machinery (not elec)	780	516	264	0	0
7120 electrical machinery	209	105	105	0	0
7210 vehicles & parts	408	320	88	0	—
7220 aircraft & parts	7	1	6	—	—
7230 ships & boats	4	1	3	—	—
7300 ordnance & access.	8	5	3	—	—
7400 manufac. wood prod.	137	96	41	0	0
7500 textile products	285	162	123	0	0
7600 rubber & plastic pr.	267	177	90	0	—
7900 manufac. prod. nec	433	312	121	0	0
Total unknown or not elsewhere classified	52	19	33	0	0
9900 unknown or nec	52	19	33	0	0
Ton-miles (x1000) Foreign & Canadian	344,831	88,520	247,148	8,474	689

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	2,591	534	2,057
Total coal	2,037	—	2,037
1100 coal lignite	2,037	—	2,037
Total petroleum and petroleum products	340	338	2
Subtotal petroleum products	340	338	2
2211 gasoline	79	77	2
2330 distillate fuel oil	69	69	—
2340 residual fuel oil	177	177	—
2410 petro. jelly & waxes	8	8	—
2430 asphalt, tar & pitch	7	7	—
Total chemicals and related products	145	142	3
Subtotal fertilizers	62	59	3
3110 nitrogenous fert.	62	59	3
Subtotal other chemicals and related products	83	83	0
3219 other hydrocarbons	26	26	—
3230 carboxylic acids	7	7	—
3274 sodium hydroxide	50	50	—
3286 plastics	0	—	0
Total primary manufactured goods	43	43	—
Subtotal paper products	1	1	—
5120 paper & paperboard	1	1	—
Subtotal lime, cement and glass	42	42	—
5220 cement & concrete	42	42	—
Subtotal primary iron and steel products	0	0	—
5390 primary i&s nec	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	22	7	15
Subtotal fish	0	0	—
6134 fish (not shellfish)	0	0	—
6136 shellfish	0	0	—
Subtotal grain	15	—	15
6344 corn	15	—	15
Subtotal vegetable products	1	1	—
6654 vegetables & prod.	1	1	—
Subtotal other agricultural products	6	6	—
6858 fruit juices	5	5	—
6885 alcoholic beverages	1	1	—
6889 food products nec	0	0	—
Total all manufactured equipment, machinery and products	4	4	—
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.	0	0	—
7900 manufac. prod. nec	3	3	—
Ton-miles (x1000) Coastwise	26,882	6,334	20,549

NORFOLK HARBOR, VA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	7,503	4,738	12	122	2,395	104	132
Total coal	1,003	—	—	—	1,003	—	—
1100 coal lignite	1,003	—	—	—	1,003	—	—
Total petroleum and petroleum products	2,038	937	2	92	818	81	107
Subtotal crude petroleum	25	—	—	—	25	—	—
2100 crude petroleum	25	—	—	—	25	—	—
Subtotal petroleum products	2,013	937	2	92	793	81	107
2211 gasoline	415	315	—	42	56	3	—
2221 kerosene	0	—	—	—	0	—	—
2330 distillate fuel oil	662	318	1	2	294	33	14
2340 residual fuel oil	882	262	1	48	435	44	91
2350 lube oil & greases	9	—	—	—	6	1	2
2429 naphtha & solvents	3	3	—	—	—	—	—
2430 asphalt, tar & pitch	42	40	—	—	2	—	—
Total chemicals and related products	402	251	7	27	107	8	2
Subtotal fertilizers	358	227	7	27	88	8	2
3110 nitrogenous fert.	343	227	—	27	79	8	2
3190 fert. & mixes nec	15	—	7	—	8	—	—
Subtotal other chemicals and related products	43	24	—	—	19	—	—
3272 sulphuric acid	10	10	—	—	—	—	—
3274 sodium hydroxide	29	10	—	—	19	—	—
3297 chemical additives	4	4	—	—	—	—	—
Total crude materials, inedible except fuels	2,613	2,595	—	—	16	1	1
Subtotal forest products, wood and chips	10	0	—	—	8	1	1
4161 wood chips	7	—	—	—	7	—	—
4170 wood in the rough	2	0	—	—	1	1	1
4189 lumber	0	—	—	—	—	0	0
Subtotal soil, sand, gravel, rock and stone	2,603	2,595	—	—	8	—	—
4327 phosphate rock	16	16	—	—	—	—	—
4331 sand & gravel	2,586	2,578	—	—	8	—	—
Subtotal iron ore and scrap	0	—	—	—	—	—	0
4420 iron & steel scrap	0	—	—	—	—	—	0
Total primary manufactured goods	122	114	0	3	4	0	0
Subtotal lime, cement and glass	89	87	—	1	1	0	0
5220 cement & concrete	87	87	—	—	—	—	—
5290 misc. mineral prod.	2	—	—	1	1	0	0
Subtotal primary iron and steel products	0	—	—	—	—	0	0
5360 i&s bars & shapes	0	—	—	—	—	—	0
5370 i&s pipe & tube	0	—	—	—	—	0	—
Subtotal primary non-ferrous metal products	33	27	0	2	3	0	0
5480 fab. metal products	33	27	0	2	3	0	0
Total food and farm products	157	127	2	—	4	13	11
Subtotal fish	0	—	—	—	0	—	—
6136 shellfish	0	—	—	—	0	—	—
Subtotal grain	88	62	—	—	2	13	11
6241 wheat	66	42	—	—	—	13	11
6344 corn	2	2	—	—	—	—	—
6443 barley & rye	20	19	—	—	2	—	—
Subtotal oilseeds	69	65	2	—	2	—	—
6522 soybeans	69	65	2	—	2	—	—
Total all manufactured equipment, machinery and products	1,168	714	—	—	443	0	10
7400 manufac. wood prod.	0	—	—	—	—	0	0
7900 manufac. prod. nec	1,168	714	—	—	443	—	10
Total waste and scrap nec	0	—	—	—	0	—	—
8900 waste and scrap nec	0	—	—	—	0	—	—
Ton-miles (x1000)	84,704	59,885	41	855	22,732	742	449
Internal							
Tons All Traffic (x1000)	41,618						
Ton-miles All Traffic (x1000)	470,801						

*Does not include 837 (x1000) tons of through traffic

*Includes 62 (x1000) tons of foreign inbound in-transits; Includes 80 (x1000) tons of foreign outbound in-transits; Includes 3 (x1000) tons of Canadian inbound in-transits; Includes 0 (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
1990	79,638	1993	65,711	1996	75,552	1999	56,063
1991	86,315	1994	62,746	1997	68,500		
1992	79,064	1995	72,508	1998	67,880		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	39,422	9,195	29,511	652	64
Total coal	23,717	0	23,656	—	60
1100 coal lignite	23,717	0	23,656	—	60
Total petroleum and petroleum products	3,037	2,623	137	277	0
Subtotal crude petroleum	1,542	1,354	—	188	—
2100 crude petroleum	1,542	1,354	—	188	—
Subtotal petroleum products	1,494	1,269	137	89	0
2211 gasoline	0	0	—	—	—
2221 kerosene	31	—	31	—	—
2330 distillate fuel oil	178	90	0	89	—
2340 residual fuel oil	352	348	4	—	—
2350 lube oil & greases	8	1	7	—	0
2410 petro. jelly & waxes	3	1	2	—	—
2429 naphtha & solvents	556	554	2	—	—
2430 asphalt, tar & pitch	1	0	1	—	—
2540 petroleum coke	273	183	90	—	—
2640 liquid natural gas	92	92	0	—	—
Total chemicals and related products	1,884	724	1,113	46	1
Subtotal fertilizers	663	184	434	45	—
3110 nitrogenous fert.	580	159	421	—	—
3120 phosphatic fert.	0	0	0	—	—
3130 potassic fert.	56	11	0	45	—
3190 fert. & mixes nec	27	14	13	0	—
Subtotal other chemicals and related products	1,220	540	679	0	1
3211 acyclic hydrocarbons	1	0	0	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	15	5	10	0	—
3220 alcohols	85	55	29	—	—
3230 carboxylic acids	63	37	25	0	—
3240 nitrogen func. comp.	98	26	72	—	0
3250 organo - inorg. comp.	71	47	24	—	—
3260 organic comp. nec	50	13	37	—	—
3272 sulphuric acid	0	—	0	—	—
3274 sodium hydroxide	24	24	0	—	—
3275 inorg. elem., oxides, & halogen salts	94	62	32	—	0
3276 metallic salts	49	25	24	—	0
3279 inorganic chem. nec	4	4	0	—	—
3281 radioactive material	1	1	0	—	—
3282 pigments & paints	32	18	14	0	—
3283 coloring mat. nec	11	3	8	—	—
3284 medicines	29	12	16	—	—
3285 perfumes & cleansers	46	10	36	—	0
3286 plastics	396	127	269	—	0
3291 pesticides	11	3	9	0	—
3292 starches, gluten, glue	61	42	19	—	—
3293 explosives	1	1	0	—	—
3297 chemical additives	16	1	15	—	—
3298 wood & resin chem.	1	0	1	—	—
3299 chem. products nec	61	23	38	—	0
Total crude materials, inedible except fuels	2,611	782	1,508	320	0
Subtotal forest products, wood and chips	1,218	392	826	0	—
4110 rubber & gums	261	260	0	—	—
4150 fuel wood	4	2	2	—	—
4161 wood chips	239	0	239	—	—
4170 wood in the rough	121	4	117	—	—
4189 lumber	581	114	467	0	—
4190 forest products nec	13	12	1	0	—
Subtotal pulp and waste paper	467	15	452	—	—
4225 pulp & waste paper	467	15	452	—	—
Subtotal soil, sand, gravel, rock and stone	340	19	19	302	0
4310 building stone	2	2	0	—	—
4322 limestone	1	1	0	—	—
4323 gypsum	322	13	7	302	0
4331 sand & gravel	14	2	12	—	—
Subtotal iron ore and scrap	152	1	133	18	—
4410 iron ore	19	0	0	18	—
4420 iron & steel scrap	133	1	132	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—

HAMPTON ROADS, VA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Subtotal non-ferrous ores and scrap	227	168	59	---	---
4630 copper ore	0	---	0	---	---
4650 aluminum ore	8	8	0	---	---
4670 manganese ore	116	116	0	---	---
4680 non-ferrous scrap	43	14	29	---	---
4690 non-ferrous ores nec	60	30	29	---	---
Subtotal sulphur, clay and salt	30	13	17	---	---
4741 sulphur, (dry)	0	---	0	---	---
4782 clay & refrac. mat.	30	13	17	---	---
Subtotal slag	1	1	0	---	---
4860 slag	1	1	0	---	---
Subtotal other non-metal. min.	177	173	3	---	---
4900 non-metal. min. nec	177	173	3	---	---
Total primary manufactured goods	2,842	2,060	774	7	1
Subtotal paper products	726	245	474	6	1
5110 newsprint	2	2	0	0	---
5120 paper & paperboard	666	218	445	2	1
5190 paper products nec	58	25	29	4	---
Subtotal lime, cement and glass	1,274	1,197	77	0	0
5210 lime	0	---	0	---	---
5220 cement & concrete	955	955	0	---	---
5240 glass & glass prod.	81	51	29	0	0
5290 misc. mineral prod.	239	191	47	0	0
Subtotal primary iron and steel products	284	188	95	0	0
5312 pig iron	6	2	3	---	---
5315 ferro alloys	9	9	0	---	---
5320 i&s primary forms	13	11	2	---	---
5330 i&s plates & sheets	179	99	79	0	0
5360 i&s bars & shapes	40	38	3	---	---
5370 i&s pipe & tube	16	11	5	---	---
5390 primary i&s nec	21	19	2	---	---
Subtotal primary non-ferrous metal products	341	265	76	1	0
5421 copper	14	12	2	---	---
5422 aluminum	82	66	16	---	---
5429 smelted prod. nec	30	24	6	---	---
5480 fab. metal products	216	164	52	1	0
Subtotal primary wood products	217	165	51	0	---
5540 primary wood prod.	217	165	51	0	---
Total food and farm products	2,476	1,085	1,388	1	1
Subtotal fish	44	39	4	0	1
6134 fish (not shellfish)	34	31	3	---	1
6136 shellfish	10	8	1	0	0
Subtotal grain	283	17	265	---	0
6241 wheat	210	---	210	---	---
6344 corn	35	11	24	---	0
6442 rice	9	7	3	---	---
6443 barley & rye	26	---	26	---	---
6445 oats	1	---	1	---	---
6447 sorghum grains	1	---	1	---	---
Subtotal oilseeds	101	11	90	---	---
6521 peanuts	25	10	15	---	---
6522 soybeans	11	1	10	---	---
6590 oilseeds nec	66	1	65	---	---
Subtotal vegetable products	217	114	103	0	---
6653 vegetable oils	68	18	50	---	---
6654 vegetables & prod.	149	96	52	0	---
Subtotal processed grain and animal feed	281	47	234	---	---
6746 wheat flour	8	0	8	---	---
6747 grain mill products	34	13	20	---	---
6781 hay & fodder	5	0	4	---	---
6782 animal feed, prep.	235	33	202	---	---
Subtotal other agricultural products	1,549	857	692	0	1
6811 meat, fresh, frozen	208	8	201	0	---
6817 meat, prepared	26	7	18	---	---
6822 dairy products	5	3	3	---	---
6835 fish, prepared	20	18	1	---	---
6838 tallow, animal oils	18	0	18	---	---
6839 animals & prod. nec	32	17	15	0	0
6857 fruit & nuts nec	43	35	7	0	0
6858 fruit juices	50	41	9	---	0
6861 sugar	4	3	2	---	---
6865 molasses	0	0	---	---	---
6871 coffee	68	67	0	---	---
6872 cocoa beans	33	33	0	---	---
6885 alcoholic beverages	365	260	105	0	---
6888 water & ice	61	60	1	0	---
6889 food products nec	130	78	52	0	0
6891 tobacco & products	439	189	250	---	---
6893 cotton	28	25	3	---	---
6894 natural fibers nec	1	1	0	---	---
6899 farm products nec	18	12	6	0	---
Total all manufactured equipment, machinery and products	2,800	1,899	900	1	1
7110 machinery (not elec)	878	594	284	0	0

HAMPTON ROADS, VA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
7120 electrical machinery	225	110	115	0	0
7210 vehicles & parts	474	382	92	0	0
7220 aircraft & parts	8	1	6	—	—
7230 ships & boats	5	1	5	—	—
7300 ordnance & access.	8	5	3	—	—
7400 manufac. wood prod.	141	99	42	0	0
7500 textile products	300	174	126	0	0
7600 rubber & plastic pr.	303	202	101	0	0
7900 manufac. prod. nec	458	332	126	0	0
Total unknown or not elsewhere classified	56	21	35	0	0
9900 unknown or nec	56	21	35	0	0

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	4,223	623	3,601
Total coal	3,557	—	3,557
1100 coal lignite	3,557	—	3,557
Total petroleum and petroleum products	453	427	26
Subtotal petroleum products	453	427	26
2211 gasoline	79	77	2
2330 distillate fuel oil	69	69	—
2340 residual fuel oil	279	255	25
2410 petro. jelly & waxes	8	8	—
2430 asphalt, tar & pitch	17	17	—
Total chemicals and related products	145	142	3
Subtotal fertilizers	62	59	3
3110 nitrogenous fert.	62	59	3
Subtotal other chemicals and related products	83	83	0
3219 other hydrocarbons	26	26	—
3230 carboxylic acids	7	7	—
3274 sodium hydroxide	50	50	—
3286 plastics	0	—	0
Total primary manufactured goods	43	43	—
Subtotal paper products	1	1	—
5120 paper & paperboard	1	1	—
Subtotal lime, cement and glass	42	42	—
5220 cement & concrete	42	42	—
Subtotal primary iron and steel products	0	0	—
5390 primary i&s nec	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	22	7	15
Subtotal fish	0	0	—
6134 fish (not shellfish)	0	0	—
6136 shellfish	0	0	—
Subtotal grain	15	—	15
6344 corn	15	—	15
Subtotal vegetable products	1	1	—
6654 vegetables & prod.	1	1	—
Subtotal other agricultural products	6	6	—
6858 fruit juices	5	5	—
6885 alcoholic beverages	1	1	—
6889 food products nec	0	0	—
Total all manufactured equipment, machinery and products	4	4	—
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.	0	0	—
7900 manufac. prod. nec	3	3	—

HAMPTON ROADS, VA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	11,581	5,039	9	95	6,036	267	135
Total coal	4,687	—	—	—	4,687	—	—
1100 coal lignite	4,687	—	—	—	4,687	—	—
Total petroleum and petroleum products	2,187	994	—	65	774	244	110
Subtotal crude petroleum	25	—	—	—	25	—	—
2100 crude petroleum	25	—	—	—	25	—	—
Subtotal petroleum products	2,161	994	—	65	749	244	110
2211 gasoline	415	315	—	42	56	3	—
2221 kerosene	0	—	—	—	0	—	—
2330 distillate fuel oil	751	379	—	2	273	82	15
2340 residual fuel oil	941	257	—	20	413	157	93
2350 lube oil & greases	9	—	—	—	5	2	2
2429 naphtha & solvents	3	3	—	—	—	—	—
2430 asphalt, tar & pitch	42	40	—	—	2	—	—
Total chemicals and related products	402	251	7	27	107	8	2
Subtotal fertilizers	358	227	7	27	88	8	2
3110 nitrogenous fert.	343	227	—	27	79	8	2
3190 fert. & mixes nec	15	—	7	—	8	—	—
Subtotal other chemicals and related products	43	24	—	—	19	—	—
3272 sulphuric acid	10	10	—	—	—	—	—
3274 sodium hydroxide	29	10	—	—	19	—	—
3297 chemical additives	4	4	—	—	—	—	—
Total crude materials, inedible except fuels	2,858	2,840	—	—	16	1	1
Subtotal forest products, wood and chips	10	0	—	—	8	1	1
4161 wood chips	7	—	—	—	7	—	—
4170 wood in the rough	2	0	—	—	1	1	1
4189 lumber	0	—	—	—	—	0	0
Subtotal soil, sand, gravel, rock and stone	2,847	2,839	—	—	8	—	—
4327 phosphate rock	16	16	—	—	—	—	—
4331 sand & gravel	2,831	2,823	—	—	8	—	—
Subtotal iron ore and scrap	0	—	—	—	—	—	0
4420 iron & steel scrap	0	—	—	—	—	—	0
Total primary manufactured goods	122	114	0	3	4	0	0
Subtotal lime, cement and glass	89	87	—	1	1	0	0
5220 cement & concrete	87	87	—	—	—	—	—
5290 misc. mineral prod.	2	—	—	1	1	0	0
Subtotal primary iron and steel products	0	—	—	—	—	0	0
5360 i&s bars & shapes	0	—	—	—	—	—	0
5370 i&s pipe & tube	0	—	—	—	—	0	—
Subtotal primary non-ferrous metal products	33	27	0	2	3	0	0
5480 fab. metal products	33	27	0	2	3	0	0
Total food and farm products	157	127	2	—	4	13	11
Subtotal fish	0	0	—	—	—	0	—
6136 shellfish	0	0	—	—	—	0	—
Subtotal grain	88	62	—	—	2	13	11
6241 wheat	66	42	—	—	—	13	11
6344 corn	2	2	—	—	—	—	—
6443 barley & rye	20	19	—	—	2	—	—
Subtotal oilseeds	69	65	2	—	2	—	—
6522 soybeans	69	65	2	—	2	—	—
Total all manufactured equipment, machinery and products	1,168	714	—	—	443	0	10
7230 ships & boats	0	0	—	—	—	—	—
7400 manufac. wood prod.	0	—	—	—	—	0	0
7900 manufac. prod. nec	1,168	714	—	—	443	—	10
Total waste and scrap nec	0	—	—	—	0	—	—
8900 waste and scrap nec	0	—	—	—	0	—	—

*Does not include 837 (x1000) tons of through traffic

*Includes 84 (x1000) tons of foreign inbound in-transits; Includes 82 (x1000) tons of foreign outbound in-transits;
Includes 3 (x1000) tons of Canadian inbound in-transits; Includes 0 (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
1990	30,611	1993	21,938	1996	30,948	1999	19,373
1991	35,168	1994	20,250	1997	26,538		
1992	29,635	1995	28,601	1998	24,343		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	9,870	1,628	8,152	56	33
Total coal	6,852	---	6,852	---	---
1100 coal lignite	6,852	---	6,852	---	---
1200 coal coke	0	---	0	---	---
Total petroleum and petroleum products	543	452	90	---	---
Subtotal crude petroleum	97	97	---	---	---
2100 crude petroleum	97	97	---	---	---
Subtotal petroleum products	446	356	90	---	---
2330 distillate fuel oil	76	76	---	---	---
2340 residual fuel oil	34	34	1	---	---
2350 lube oil & greases	0	0	0	---	---
2410 petro. jelly & waxes	1	1	0	---	---
2429 naphtha & solvents	62	62	0	---	---
2430 asphalt, tar & pitch	0	0	0	---	---
2540 petroleum coke	272	183	89	---	---
Total chemicals and related products	938	168	770	---	0
Subtotal fertilizers	644	13	631	---	---
3110 nitrogenous fert.	629	0	629	---	---
3120 phosphatic fert.	0	0	---	---	---
3190 fert. & mixes nec	15	13	2	---	---
Subtotal other chemicals and related products	294	155	139	---	0
3211 acyclic hydrocarbons	1	1	0	---	---
3212 benzene & toluene	0	0	---	---	---
3219 other hydrocarbons	7	2	5	---	---
3220 alcohols	2	1	2	---	---
3230 carboxylic acids	13	11	2	---	---
3240 nitrogen func. comp.	12	3	8	---	---
3250 organo - inorg. comp.	10	6	3	---	---
3260 organic comp. nec	8	0	8	---	---
3272 sulphuric acid	0	---	0	---	---
3273 ammonia	0	---	0	---	---
3274 sodium hydroxide	0	0	0	---	---
3275 inorg. elem., oxides, & halogen salts	31	27	3	---	0
3276 metallic salts	46	44	2	---	0
3279 inorganic chem. nec	1	1	0	---	---
3282 pigments & paints	4	4	1	---	---
3283 coloring mat. nec	1	1	0	---	---
3284 medicines	6	1	5	---	---
3285 perfumes & cleansers	17	5	12	---	0
3286 plastics	114	40	74	---	---
3291 pesticides	1	1	0	---	---
3292 starches, gluten, glue	5	1	3	---	---
3293 explosives	0	0	0	---	---
3297 chemical additives	1	0	1	---	---
3298 wood & resin chem.	0	---	0	---	---
3299 chem. products nec	13	4	9	---	---
Total crude materials, inedible except fuels	160	33	97	---	31
Subtotal forest products, wood and chips	52	23	29	---	---
4110 rubber & gums	0	0	0	---	---
4150 fuel wood	0	---	0	---	---
4161 wood chips	0	---	0	---	---
4170 wood in the rough	14	1	14	---	---
4189 lumber	37	22	15	---	---
4190 forest products nec	1	1	0	---	---
Subtotal pulp and waste paper	76	2	44	---	31
4225 pulp & waste paper	76	2	44	---	31
Subtotal soil, sand, gravel, rock and stone	9	1	8	---	0
4310 building stone	0	0	---	---	---
4323 gypsum	6	---	5	---	0
4331 sand & gravel	3	0	3	---	---
Subtotal iron ore and scrap	0	0	0	---	---
4410 iron ore	0	0	---	---	---
4420 iron & steel scrap	0	0	0	---	---
Subtotal non-ferrous ores and scrap	7	5	2	---	---
4650 aluminum ore	1	1	---	---	---
4680 non-ferrous scrap	6	4	2	---	---

CHANNEL TO NEWPORT NEWS, VA
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Subtotal sulphur, clay and salt	13	0	13	---	---
4782 clay & refrac. mat.	13	0	13	---	---
Subtotal slag	0	---	0	---	---
4860 slag	0	---	0	---	---
Subtotal other non-metal. min.	3	2	0	---	---
4900 non-metal. min. nec	3	2	0	---	---
Total primary manufactured goods	642	521	63	56	2
Subtotal paper products	172	81	33	56	2
5110 newsprint	57	1	---	56	---
5120 paper & paperboard	109	78	29	---	2
5190 paper products nec	6	2	4	---	---
Subtotal lime, cement and glass	346	334	11	0	0
5220 cement & concrete	301	301	---	---	---
5240 glass & glass prod.	11	7	3	---	0
5290 misc. mineral prod.	34	26	8	0	---
Subtotal primary iron and steel products	86	78	8	---	0
5312 pig iron	0	0	---	---	---
5315 ferro alloys	1	1	0	---	---
5320 i&s primary forms	1	0	1	---	---
5330 i&s plates & sheets	56	50	7	---	0
5360 i&s bars & shapes	19	18	0	---	---
5370 i&s pipe & tube	2	1	0	---	---
5390 primary i&s nec	7	7	0	---	---
Subtotal primary non-ferrous metal products	26	17	9	---	---
5421 copper	1	1	0	---	---
5422 aluminum	6	2	4	---	---
5429 smelted prod. nec	6	3	3	---	---
5480 fab. metal products	14	12	2	---	---
Subtotal primary wood products	13	11	2	---	---
5540 primary wood prod.	13	11	2	---	---
Total food and farm products	404	213	191	---	0
Subtotal fish	7	7	---	---	---
6134 fish (not shellfish)	3	3	---	---	---
6136 shellfish	4	4	---	---	---
Subtotal grain	5	3	3	---	---
6344 corn	3	3	1	---	---
6442 rice	2	---	2	---	---
Subtotal oilseeds	7	6	1	---	---
6521 peanuts	7	6	1	---	---
6522 soybeans	0	0	0	---	---
6590 oilseeds nec	0	0	0	---	---
Subtotal vegetable products	6	3	4	---	---
6653 vegetable oils	2	1	0	---	---
6654 vegetables & prod.	5	1	3	---	---
Subtotal processed grain and animal feed	9	0	9	---	---
6746 wheat flour	1	---	1	---	---
6747 grain mill products	1	0	0	---	---
6782 animal feed, prep.	8	0	8	---	---
Subtotal other agricultural products	369	194	175	---	0
6811 meat, fresh, frozen	6	0	6	---	---
6817 meat, prepared	3	3	0	---	---
6822 dairy products	1	0	1	---	---
6835 fish, prepared	0	0	---	---	---
6838 tallow, animal oils	0	---	0	---	---
6839 animals & prod. nec	6	6	0	---	---
6857 fruit & nuts nec	5	5	1	---	---
6858 fruit juices	2	1	1	---	---
6861 sugar	2	0	1	---	---
6871 coffee	25	25	0	---	---
6872 cocoa beans	2	2	---	---	---
6885 alcoholic beverages	94	62	33	---	---
6888 water & ice	1	1	---	---	---
6889 food products nec	20	14	7	---	0
6891 tobacco & products	200	75	125	---	---
6893 cotton	1	1	1	---	---
6894 natural fibers nec	0	0	---	---	---
6899 farm products nec	1	0	1	---	---
Total all manufactured equipment, machinery and products	326	239	87	---	0
7110 machinery (not elec)	111	86	25	---	0
7120 electrical machinery	17	5	12	---	0
7210 vehicles & parts	76	70	7	---	0
7220 aircraft & parts	0	0	0	---	---
7230 ships & boats	2	0	1	---	---
7300 ordnance & access.	0	0	0	---	---
7400 manufac. wood prod.	4	3	1	---	0
7500 textile products	43	25	18	---	0
7600 rubber & plastic pr.	46	30	16	---	0
7900 manufac. prod. nec	28	21	7	---	0

CHANNEL TO NEWPORT NEWS, VA
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total unknown or not elsewhere classified	5	3	3	---	0
9900 unknown or nec	5	3	3	---	0
Ton-miles (x1000) Foreign & Canadian	31,882	5,376	26,062	282	163

Commodity	Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	9,502	185	1,606	648	7,063
Total coal	5,204	---	1,520	---	3,685
1100 coal lignite	5,204	---	1,520	---	3,685
Total petroleum and petroleum products	798	183	25	394	197
Subtotal petroleum products	798	183	25	394	197
2211 gasoline	3	---	---	3	---
2330 distillate fuel oil	281	---	---	127	153
2340 residual fuel oil	325	78	25	179	44
2350 lube oil & greases	16	16	---	1	---
2430 asphalt, tar & pitch	173	89	---	84	---
Total chemicals and related products	581	3	62	252	264
Subtotal fertilizers	304	---	62	4	239
3110 nitrogenous fert.	304	---	62	4	239
Subtotal other chemicals and related products	277	3	---	248	26
3220 alcohols	244	---	---	244	---
3272 sulphuric acid	18	3	---	5	10
3274 sodium hydroxide	15	---	---	---	15
Total crude materials, inedible except fuels	2,917	---	---	0	2,917
Subtotal forest products, wood and chips	1	---	---	0	0
4170 wood in the rough	1	---	---	0	0
Subtotal soil, sand, gravel, rock and stone	2,917	---	---	---	2,917
4327 phosphate rock	16	---	---	---	16
4331 sand & gravel	2,900	---	---	---	2,900
Total primary manufactured goods	0	---	---	0	---
Subtotal primary non-ferrous metal products	0	---	---	0	---
5480 fab. metal products	0	---	---	0	---
Total food and farm products	2	---	---	2	0
Subtotal fish	0	---	---	---	0
6136 shellfish	0	---	---	---	0
Subtotal oilseeds	2	---	---	2	---
6522 soybeans	2	---	---	2	---
Total all manufactured equipment, machinery and products	0	---	---	0	---
7230 ships & boats	0	---	---	0	---
Ton-miles (x1000) Domestic	36,206	750	4,943	2,766	27,746
Tons All Traffic (x1000)					19,373
Ton-miles All Traffic (x1000)					68,088

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
1990	24,935	1993	16,735	1996	24,787	1999	14,342
1991	29,168	1994	15,671	1997	20,755		
1992	24,450	1995	23,365	1998	19,075		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Exports
Total, all commodities	8,734	1,383	7,350	1
Total coal	6,852	—	6,852	—
1100 coal lignite	6,852	—	6,852	—
Total petroleum and petroleum products	542	452	90	—
Subtotal crude petroleum	97	97	—	—
2100 crude petroleum	97	97	—	—
Subtotal petroleum products	445	355	90	—
2330 distillate fuel oil	76	76	—	—
2340 residual fuel oil	34	34	1	—
2350 lube oil & greases	0	—	0	—
2410 petro. jelly & waxes	0	0	0	—
2429 naphtha & solvents	62	62	0	—
2430 asphalt, tar & pitch	0	—	0	—
2540 petroleum coke	272	183	89	—
Total chemicals and related products	173	59	114	0
Subtotal fertilizers	18	0	17	—
3110 nitrogenous fert.	15	0	15	—
3120 phosphatic fert.	0	0	—	—
3190 fert. & mixes nec	2	0	2	—
Subtotal other chemicals and related products	155	59	97	0
3211 acyclic hydrocarbons	0	—	0	—
3212 benzene & toluene	0	0	—	—
3219 other hydrocarbons	6	1	5	—
3220 alcohols	1	0	1	—
3230 carboxylic acids	4	3	1	—
3240 nitrogen func. comp.	10	2	8	—
3250 organo - inorg. comp.	6	4	1	—
3260 organic comp. nec	6	0	6	—
3274 sodium hydroxide	0	0	0	—
3275 inorg. elem., oxides, & halogen salts	29	27	2	0
3276 metallic salts	3	2	2	0
3279 inorganic chem. nec	0	0	0	—
3282 pigments & paints	3	3	1	—
3283 coloring mat. nec	0	0	0	—
3284 medicines	1	0	1	—
3285 perfumes & cleansers	4	1	3	0
3286 plastics	70	12	58	—
3291 pesticides	1	1	0	—
3292 starches, gluten, glue	5	1	3	—
3293 explosives	0	0	0	—
3297 chemical additives	1	—	1	—
3298 wood & resin chem.	0	—	0	—
3299 chem. products nec	5	1	4	—
Total crude materials, inedible except fuels	109	31	78	0
Subtotal forest products, wood and chips	46	23	23	—
4110 rubber & gums	0	0	0	—
4150 fuel wood	0	—	0	—
4161 wood chips	0	—	0	—
4170 wood in the rough	9	1	8	—
4189 lumber	37	22	15	—
4190 forest products nec	1	1	0	—
Subtotal pulp and waste paper	45	2	43	—
4225 pulp & waste paper	45	2	43	—
Subtotal soil, sand, gravel, rock and stone	8	1	7	0
4310 building stone	0	0	—	—
4323 gypsum	5	—	5	0
4331 sand & gravel	2	0	2	—
Subtotal iron ore and scrap	0	0	0	—
4410 iron ore	0	0	—	—
4420 iron & steel scrap	0	0	0	—
Subtotal non-ferrous ores and scrap	5	3	2	—
4650 aluminum ore	1	1	—	—
4680 non-ferrous scrap	4	2	2	—
Subtotal sulphur, clay and salt	2	0	2	—
4782 clay & refrac. mat.	2	0	2	—
Subtotal slag	0	—	0	—
4860 slag	0	—	0	—
Subtotal other non-metal. min.	2	2	0	—
4900 non-metal. min. nec	2	2	0	—

PORT OF NEWPORT NEWS, VA (INCLUDING NEWPORT NEWS CREEK, VA)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Exports
Total primary manufactured goods	525	472	53	0
Subtotal paper products	87	57	30	0
5110 newsprint	1	1	—	—
5120 paper & paperboard	82	54	28	0
5190 paper products nec	4	2	2	—
Subtotal lime, cement and glass	336	328	8	0
5220 cement & concrete	301	301	—	—
5240 glass & glass prod.	5	2	3	0
5290 misc. mineral prod.	30	25	5	—
Subtotal primary iron and steel products	74	67	7	0
5312 pig iron	0	0	—	—
5315 ferro alloys	1	1	0	—
5320 i&s primary forms	0	0	0	—
5330 i&s plates & sheets	52	45	7	0
5360 i&s bars & shapes	13	12	0	—
5370 i&s pipe & tube	1	1	0	—
5390 primary i&s nec	6	6	0	—
Subtotal primary non-ferrous metal products	16	10	6	—
5421 copper	1	1	0	—
5422 aluminum	6	2	4	—
5429 smelted prod. nec	1	1	0	—
5480 fab. metal products	9	7	2	—
Subtotal primary wood products	13	11	2	—
5540 primary wood prod.	13	11	2	—
Total food and farm products	269	163	105	0
Subtotal fish	7	7	—	—
6134 fish (not shellfish)	3	3	—	—
6136 shellfish	4	4	—	—
Subtotal grain	5	3	3	—
6344 corn	3	3	1	—
6442 rice	2	—	2	—
Subtotal oilseeds	7	6	1	—
6521 peanuts	7	6	1	—
6522 soybeans	0	0	0	—
6590 oilseeds nec	0	0	0	—
Subtotal vegetable products	6	2	3	—
6653 vegetable oils	2	1	0	—
6654 vegetables & prod.	4	1	3	—
Subtotal processed grain and animal feed	9	0	8	—
6746 wheat flour	1	—	1	—
6747 grain mill products	0	0	0	—
6782 animal feed, prep.	8	0	8	—
Subtotal other agricultural products	235	145	90	0
6811 meat, fresh, frozen	6	0	6	—
6817 meat, prepared	3	3	0	—
6822 dairy products	1	0	1	—
6835 fish, prepared	0	0	—	—
6838 tallow, animal oils	0	—	0	—
6839 animals & prod. nec	6	6	0	—
6857 fruit & nuts nec	5	5	1	—
6858 fruit juices	2	1	1	—
6861 sugar	2	0	1	—
6871 coffee	25	25	0	—
6872 cocoa beans	2	2	—	—
6885 alcoholic beverages	49	16	33	—
6888 water & ice	1	1	—	—
6889 food products nec	16	11	5	0
6891 tobacco & products	116	73	43	—
6893 cotton	1	1	0	—
6894 natural fibers nec	0	0	—	—
6899 farm products nec	1	0	1	—
Total all manufactured equipment, machinery and products	260	204	56	0
7110 machinery (not elec)	97	77	20	0
7120 electrical machinery	15	5	10	0
7210 vehicles & parts	66	62	4	0
7220 aircraft & parts	0	0	0	—
7230 ships & boats	2	0	1	—
7300 ordnance & access.	0	0	0	—
7400 manufac. wood prod.	4	3	1	0
7500 textile products	15	12	3	0
7600 rubber & plastic pr.	36	25	11	0
7900 manufac. prod. nec	25	20	5	0
Total unknown or not elsewhere classified	4	2	2	0
9900 unknown or nec	4	2	2	0

PORT OF NEWPORT NEWS, VA (INCLUDING NEWPORT NEWS CREEK, VA)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	5,608	88	1,544	196	3,776	3
Total coal	5,204	—	1,520	—	3,685	—
1100 coal lignite	5,204	—	1,520	—	3,685	—
Total petroleum and petroleum products	403	88	25	196	91	3
Subtotal petroleum products	403	88	25	196	91	3
2330 distillate fuel oil	118	—	—	90	29	—
2340 residual fuel oil	274	78	25	105	63	3
2350 lube oil & greases	1	—	—	1	—	—
2430 asphalt, tar & pitch	10	10	—	—	—	—
Total crude materials, inedible except fuels	0	—	—	0	0	—
Subtotal forest products, wood and chips	0	—	—	0	0	—
4170 wood in the rough	0	—	—	0	0	—
Total all manufactured equipment, machinery and products	0	—	—	0	—	—
7230 ships & boats	0	—	—	0	—	—

*Includes 23 (x1000) tons of foreign inbound in-transits; Includes 2 (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
1990	2,064	1993	1,669	1996	1,499	1999	822
1991	1,909	1994	1,134	1997	1,121		
1992	1,633	1995	1,135	1998	1,089		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Imports*	Exports	Imports	Exports	Total	Coastwise		Internal	
							Receipts	Shipments	Receipts	Shipments
Total, all commodities	822	246	188	56	32	300	94	86	120	
Total coal	0	—	0	—	—	—	—	—	—	
1100 coal lignite	0	—	0	—	—	—	—	—	—	
1200 coal coke	0	—	0	—	—	—	—	—	—	
Total petroleum and petroleum products	300	0	0	—	—	300	94	86	120	
Subtotal petroleum products	300	0	0	—	—	300	94	86	120	
2211 gasoline	3	—	—	—	—	3	—	3	—	
2330 distillate fuel oil	136	—	—	—	—	136	—	16	120	
2340 residual fuel oil	52	—	—	—	—	52	—	52	0	
2350 lube oil & greases	16	0	0	—	—	16	16	0	—	
2410 petro. jelly & waxes	0	0	—	—	—	—	—	—	—	
2430 asphalt, tar & pitch	94	0	0	—	—	93	79	15	—	
2540 petroleum coke	0	—	0	—	—	—	—	—	—	
Total chemicals and related products	151	109	43	—	—	—	—	—	—	
Subtotal fertilizers	13	13	0	—	—	—	—	—	—	
3110 nitrogenous fert.	0	—	0	—	—	—	—	—	—	
3190 fert. & mixes nec	13	13	—	—	—	—	—	—	—	
Subtotal other chemicals and related products	138	96	42	—	—	—	—	—	—	
3211 acyclic hydrocarbons	1	1	0	—	—	—	—	—	—	
3219 other hydrocarbons	1	1	0	—	—	—	—	—	—	

PORT OF RICHMOND, VA (INCLUDED IN JAMES RIVER, VA CONSOLIDATED REPORT)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Imports*	Exports	Imports	Exports	Total	Coastwise		Internal	
							Receipts	Receipts	Shipments	
3220 alcohols	1	0	1	—	—	—	—	—	—	
3230 carboxylic acids	9	8	2	—	—	—	—	—	—	
3240 nitrogen func. comp.	2	1	1	—	—	—	—	—	—	
3250 organo - inorg. comp.	4	2	2	—	—	—	—	—	—	
3260 organic comp. nec	2	0	2	—	—	—	—	—	—	
3272 sulphuric acid	0	—	0	—	—	—	—	—	—	
3273 ammonia	0	—	0	—	—	—	—	—	—	
3275 inorg. elem., oxides, & halogen salts	2	0	1	—	—	—	—	—	—	
3276 metallic salts	43	43	0	—	—	—	—	—	—	
3279 inorganic chem. nec	1	1	0	—	—	—	—	—	—	
3282 pigments & paints	1	1	0	—	—	—	—	—	—	
3283 coloring mat. nec	1	1	—	—	—	—	—	—	—	
3284 medicines	5	1	4	—	—	—	—	—	—	
3285 perfumes & cleansers	13	4	8	—	—	—	—	—	—	
3286 plastics	44	28	16	—	—	—	—	—	—	
3291 pesticides	0	0	—	—	—	—	—	—	—	
3292 starches, gluten, glue	0	0	—	—	—	—	—	—	—	
3297 chemical additives	1	0	0	—	—	—	—	—	—	
3299 chem. products nec	8	3	5	—	—	—	—	—	—	
Total crude materials, inedible except fuels	51	2	18	—	31	—	—	—	—	
Subtotal forest products, wood and chips	6	—	6	—	—	—	—	—	—	
4170 wood in the rough	6	—	6	—	—	—	—	—	—	
4189 lumber	0	—	0	—	—	—	—	—	—	
Subtotal pulp and waste paper	31	—	0	—	31	—	—	—	—	
4225 pulp & waste paper	31	—	0	—	31	—	—	—	—	
Subtotal soil, sand, gravel, rock and stone	1	—	1	—	—	—	—	—	—	
4323 gypsum	0	—	0	—	—	—	—	—	—	
4331 sand & gravel	1	—	1	—	—	—	—	—	—	
Subtotal non-ferrous ores and scrap	2	2	0	—	—	—	—	—	—	
4680 non-ferrous scrap	2	2	0	—	—	—	—	—	—	
Subtotal sulphur, clay and salt	11	—	11	—	—	—	—	—	—	
4782 clay & refrac. mat.	11	—	11	—	—	—	—	—	—	
Subtotal other non-metal. min.	0	0	0	—	—	—	—	—	—	
4900 non-metal. min. nec	0	0	0	—	—	—	—	—	—	
Total primary manufactured goods	117	49	10	56	1	—	—	—	—	
Subtotal paper products	84	24	2	56	1	—	—	—	—	
5110 newsprint	56	—	—	56	—	—	—	—	—	
5120 paper & paperboard	26	24	1	—	1	—	—	—	—	
5190 paper products nec	2	0	2	—	—	—	—	—	—	
Subtotal lime, cement and glass	10	6	4	—	—	—	—	—	—	
5240 glass & glass prod.	6	5	1	—	—	—	—	—	—	
5290 misc. mineral prod.	4	1	3	—	—	—	—	—	—	

PORT OF RICHMOND, VA (INCLUDED IN JAMES RIVER, VA CONSOLIDATED REPORT)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports	Imports	Exports	Total	Coastwise	Internal	
							Receipts	Receipts	Shipments
Subtotal primary iron and steel products	12	11	1	---	---	---	---	---	---
5315 ferro alloys	0	---	0	---	---	---	---	---	---
5320 i&s primary forms	0	---	0	---	---	---	---	---	---
5330 i&s plates & sheets	5	5	0	---	---	---	---	---	---
5360 i&s bars & shapes	6	6	---	---	---	---	---	---	---
5370 i&s pipe & tube	0	0	0	---	---	---	---	---	---
5390 primary i&s nec	0	0	---	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	11	7	4	---	---	---	---	---	---
5421 copper	0	0	0	---	---	---	---	---	---
5422 aluminum	1	1	0	---	---	---	---	---	---
5429 smelted prod. nec	5	2	3	---	---	---	---	---	---
5480 fab. metal products	5	4	0	---	---	---	---	---	---
Subtotal primary wood products	0	0	0	---	---	---	---	---	---
5540 primary wood prod.	0	0	0	---	---	---	---	---	---
Total food and farm products	135	49	86	---	---	0	---	---	0
Subtotal fish	0	---	---	---	---	0	---	---	0
6136 shellfish	0	---	---	---	---	0	---	---	0
Subtotal vegetable products	1	0	0	---	---	---	---	---	---
6654 vegetables & prod.	1	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	134	49	85	---	---	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---	---	---
6838 tallow, animal oils	0	---	0	---	---	---	---	---	---
6858 fruit juices	0	0	---	---	---	---	---	---	---
6871 coffee	0	---	0	---	---	---	---	---	---
6872 cocoa beans	0	0	---	---	---	---	---	---	---
6885 alcoholic beverages	46	46	0	---	---	---	---	---	---
6889 food products nec	4	2	2	---	---	---	---	---	---
6891 tobacco & products	84	1	83	---	---	---	---	---	---
6893 cotton	0	---	0	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	66	36	31	---	---	---	---	---	---
7110 machinery (not elec)	13	9	5	---	---	---	---	---	---
7120 electrical machinery	2	0	2	---	---	---	---	---	---
7210 vehicles & parts	10	8	2	---	---	---	---	---	---
7300 ordnance & access.	0	---	0	---	---	---	---	---	---
7400 manufac. wood prod.	0	0	---	---	---	---	---	---	---
7500 textile products	27	12	15	---	---	---	---	---	---
7600 rubber & plastic pr.	10	5	5	---	---	---	---	---	---
7900 manufac. prod. nec	2	1	2	---	---	---	---	---	---

PORT OF RICHMOND, VA (INCLUDED IN JAMES RIVER, VA CONSOLIDATED REPORT)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports	Imports	Exports	Total	Coastwise Receipts	Internal Receipts Shipments	
Total unknown or not elsewhere classified	1	1	0	—	0	—	—	—	—
9900 unknown or nec	1	1	0	—	0	—	—	—	—

*Includes 0 (x1000) tons of foreign inbound 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
1990	7,740	1993	6,851	1996	7,540	1999	6,417
1991	7,770	1994	5,387	1997	7,146		
1992	7,373	1995	5,988	1998	6,572		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Exports	Foreign		Canadian	
			Through Upbound	Through Downbnd	Through Upbound	Through Downbnd
Total, all commodities	1,136	614	246	188	56	32
Total coal	0	—	—	0	—	—
1100 coal lignite	0	—	—	0	—	—
1200 coal coke	0	—	—	0	—	—
Total petroleum and petroleum products	1	—	0	0	—	—
Subtotal petroleum products	1	—	0	0	—	—
2350 lube oil & greases	0	—	0	0	—	—
2410 petro. jelly & waxes	0	—	0	—	—	—
2430 asphalt, tar & pitch	0	—	0	0	—	—
2540 petroleum coke	0	—	—	0	—	—
Total chemicals and related products	765	613	109	43	—	—
Subtotal fertilizers	626	613	13	0	—	—
3110 nitrogenous fert.	614	613	13	0	—	—
3190 fert. & mixes nec	13	—	13	—	—	—
Subtotal other chemicals and related products	138	0	96	42	—	—
3211 acyclic hydrocarbons	1	—	1	0	—	—
3219 other hydrocarbons	1	—	1	0	—	—
3220 alcohols	1	—	0	1	—	—
3230 carboxylic acids	9	—	8	2	—	—
3240 nitrogen func. comp.	2	—	1	1	—	—
3250 organo - inorg. comp.	4	—	2	2	—	—
3260 organic comp. nec	2	—	0	2	—	—
3272 sulphuric acid	0	—	—	0	—	—
3273 ammonia	0	—	—	0	—	—
3275 inorg. elem., oxides, & halogen salts	2	—	0	1	—	—
3276 metallic salts	43	—	43	0	—	—
3279 inorganic chem. nec	1	—	1	0	—	—
3282 pigments & paints	1	0	1	0	—	—
3283 coloring mat. nec	1	—	1	—	—	—
3284 medicines	5	—	1	4	—	—
3285 perfumes & cleansers	13	—	4	8	—	—
3286 plastics	44	—	28	16	—	—
3291 pesticides	0	—	0	—	—	—
3292 starches, gluten, glue	0	—	0	—	—	—
3297 chemical additives	1	—	0	0	—	—
3299 chem. products nec	8	0	3	5	—	—
Total crude materials, inedible except fuels	51	0	2	18	—	31
Subtotal forest products, wood and chips	6	—	—	6	—	—
4170 wood in the rough	6	—	—	6	—	—
4189 lumber	0	—	—	0	—	—
Subtotal pulp and waste paper	31	0	—	0	—	31
4225 pulp & waste paper	31	0	—	0	—	31
Subtotal soil, sand, gravel, rock and stone	1	—	—	1	—	—
4323 gypsum	0	—	—	0	—	—
4331 sand & gravel	1	—	—	1	—	—
Subtotal non-ferrous ores and scrap	2	—	2	0	—	—
4680 non-ferrous scrap	2	—	2	0	—	—
Subtotal sulphur, clay and salt	11	—	—	11	—	—
4782 clay & refrac. mat.	11	—	—	11	—	—
Subtotal other non-metal. min.	0	—	0	0	—	—
4900 non-metal. min. nec	0	—	0	0	—	—

JAMES RIVER BELOW RICHMOND, VA (INCLUDED IN JAMES RIVER CONSOLIDATED REPORT)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign			Canadian	
		Exports	Through		Through	
			Upbound	Downbnd	Upbound	Downbnd
Total primary manufactured goods	117	0	49	10	56	1
Subtotal paper products	85	0	24	2	56	1
5110 newsprint	56	—	—	—	56	—
5120 paper & paperboard	26	0	24	1	—	1
5190 paper products nec	2	—	0	2	—	—
Subtotal lime, cement and glass	10	—	6	4	—	—
5240 glass & glass prod.	6	—	5	1	—	—
5290 misc. mineral prod.	4	—	1	3	—	—
Subtotal primary iron and steel products	12	—	11	1	—	—
5315 ferro alloys	0	—	—	0	—	—
5320 i&s primary forms	0	—	—	0	—	—
5330 i&s plates & sheets	5	—	5	0	—	—
5360 i&s bars & shapes	6	—	6	—	—	—
5370 i&s pipe & tube	0	—	0	0	—	—
5390 primary i&s nec	0	—	0	—	—	—
Subtotal primary non-ferrous metal products	11	—	7	4	—	—
5421 copper	0	—	0	0	—	—
5422 aluminum	1	—	1	0	—	—
5429 smelted prod. nec	5	—	2	3	—	—
5480 fab. metal products	5	—	4	0	—	—
Subtotal primary wood products	0	—	0	0	—	—
5540 primary wood prod.	0	—	0	0	—	—
Total food and farm products	135	0	49	86	—	—
Subtotal vegetable products	1	—	0	0	—	—
6654 vegetables & prod.	1	—	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	134	0	49	85	—	—
6811 meat, fresh, frozen	0	0	—	0	—	—
6822 dairy products	0	—	—	0	—	—
6838 tallow, animal oils	0	—	—	0	—	—
6858 fruit juices	0	—	0	—	—	—
6871 coffee	0	—	—	0	—	—
6872 cocoa beans	0	—	0	—	—	—
6885 alcoholic beverages	46	—	46	0	—	—
6889 food products nec	4	—	2	2	—	—
6891 tobacco & products	84	—	1	83	—	—
6893 cotton	0	—	—	0	—	—
Total all manufactured equipment, machinery and products	66	0	36	31	—	—
7110 machinery (not elec)	13	—	9	5	—	—
7120 electrical machinery	2	—	0	2	—	—
7210 vehicles & parts	10	—	8	2	—	—
7300 ordnance & access.	0	—	—	0	—	—
7400 manufac. wood prod.	0	—	0	—	—	—
7500 textile products	27	—	12	15	—	—
7600 rubber & plastic pr.	11	0	5	5	—	—
7900 manufac. prod. nec	2	—	1	2	—	—
Total unknown or not elsewhere classified	1	—	1	0	—	0
9900 unknown or nec	1	—	1	0	—	0
Ton-miles (x1000) Foreign & Canadian	86,636	41,758	21,116	16,168	4,854	2,740

Commodity	Total	Coastwise		
		Receipts	Shipments	Through Upbound
Total, all commodities	159	3	62	94
Total petroleum and petroleum products	94	—	—	94
Subtotal petroleum products	94	—	—	94
2350 lube oil & greases	16	—	—	16
2430 asphalt, tar & pitch	79	—	—	79
Total chemicals and related products	65	3	62	—
Subtotal fertilizers	62	—	62	—
3110 nitrogenous fert.	62	—	62	—
Subtotal other chemicals and related products	3	3	—	—
3272 sulphuric acid	3	3	—	—
Ton-miles (x1000) Coastwise	12,451	188	4,166	8,098

JAMES RIVER BELOW RICHMOND, VA (INCLUDED IN JAMES RIVER CONSOLIDATED REPORT)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Internal				
		Inbound		Outbound	Through	
		Upbound	Downbnd	Downbnd	Upbound	Downbnd
Total, all commodities	5,122	718	453	297	634	3,020
Total petroleum and petroleum products	353	131	—	16	86	120
Subtotal petroleum products	353	131	—	16	86	120
2211 gasoline	3	—	—	—	3	—
2330 distillate fuel oil	192	40	—	16	16	120
2340 residual fuel oil	73	22	—	—	52	0
2350 lube oil & greases	0	—	—	—	0	—
2430 asphalt, tar & pitch	84	69	—	—	15	—
Total chemicals and related products	516	252	—	264	—	—
Subtotal fertilizers	242	4	—	239	—	—
3110 nitrogenous fert.	242	4	—	239	—	—
Subtotal other chemicals and related products	274	248	—	26	—	—
3220 alcohols	244	244	—	—	—	—
3272 sulphuric acid	15	5	—	10	—	—
3274 sodium hydroxide	15	—	—	15	—	—
Total crude materials, inedible except fuels	4,251	333	453	16	549	2,900
Subtotal forest products, wood and chips	0	0	—	—	—	—
4170 wood in the rough	0	0	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	4,251	332	453	16	549	2,900
4327 phosphate rock	16	—	—	16	—	—
4331 sand & gravel	4,234	332	453	—	549	2,900
Total primary manufactured goods	0	0	—	—	—	—
Subtotal primary non-ferrous metal products	0	0	—	—	—	—
5480 fab. metal products	0	0	—	—	—	—
Total food and farm products	2	2	—	—	—	0
Subtotal fish	0	—	—	—	—	0
6136 shellfish	0	—	—	—	—	0
Subtotal oilseeds	2	2	—	—	—	—
6522 soybeans	2	2	—	—	—	—
Ton-miles (x1000)	299,638	28,624	20,366	20,137	15,596	214,916
Internal						
Tons All Traffic (x1000)	6,417					
Ton-miles All Traffic (x1000)	398,725					

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
1990	1,292	1993	1,256	1996	1,395	1999	1,330
1991	1,101	1994	916	1997	1,362		
1992	1,278	1995	935	1998	1,183		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign Exports	Domestic				
			Total	Coastwise		Internal	
				Receipts	Shipments	Receipts	Shipments
Total, all commodities	1,330	614	716	3	62	370	281
Total petroleum and petroleum products	116	—	116	—	—	116	—
Subtotal petroleum products	116	—	116	—	—	116	—
2330 distillate fuel oil	25	—	25	—	—	25	—
2340 residual fuel oil	22	—	22	—	—	22	—
2430 asphalt, tar & pitch	69	—	69	—	—	69	—
Total chemicals and related products	1,194	613	581	3	62	252	264
Subtotal fertilizers	918	613	304	—	62	4	239
3110 nitrogenous fert.	918	613	304	—	62	4	239
Subtotal other chemicals and related products	277	0	277	3	—	248	26
3220 alcohols	244	—	244	—	—	244	—
3272 sulphuric acid	18	—	18	3	—	5	10
3274 sodium hydroxide	15	—	15	—	—	—	15
3282 pigments & paints	0	0	—	—	—	—	—
3299 chem. products nec	0	0	—	—	—	—	—
Total crude materials, inedible except fuels	17	0	17	—	—	1	16
Subtotal pulp and waste paper	0	0	—	—	—	—	—
4225 pulp & waste paper	0	0	—	—	—	—	—

PORT OF HOPEWELL, VA (INCLUDED IN JAMES RIVER VA CONSOLIDATED REPORT)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign Exports	Domestic				
			Total	Coastwise		Internal	
				Receipts	Shipments	Receipts	Shipments
Subtotal soil, sand, gravel, rock and stone	17	---	17	---	---	1	16
4327 phosphate rock	16	---	16	---	---	---	16
4331 sand & gravel	1	---	1	---	---	1	---
Total primary manufactured goods	0	0	---	---	---	---	---
Subtotal paper products	0	0	---	---	---	---	---
5120 paper & paperboard	0	0	---	---	---	---	---
Total food and farm products	2	0	2	---	---	2	---
Subtotal oilseeds	2	---	2	---	---	2	---
6522 soybeans	2	---	2	---	---	2	---
Subtotal other agricultural products	0	0	---	---	---	---	---
6811 meat, fresh, frozen	0	0	---	---	---	---	---
Total all manufactured equipment, machinery and products	0	0	---	---	---	---	---
7600 rubber & plastic pr.	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
1990	7,740	1993	6,851	1996	7,540	1999	6,417
1991	7,770	1994	5,387	1997	7,146		
1992	7,373	1995	5,988	1998	6,572		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign			Canadian	
		Exports	Through		Through	
			Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,136	614	246	188	56	32
Total coal	0	---	---	0	---	---
1100 coal lignite	0	---	---	0	---	---
1200 coal coke	0	---	---	0	---	---
Total petroleum and petroleum products	1	---	0	0	---	---
Subtotal petroleum products	1	---	0	0	---	---
2350 lube oil & greases	0	---	0	0	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---
2430 asphalt, tar & pitch	0	---	0	0	---	---
2540 petroleum coke	0	---	---	0	---	---
Total chemicals and related products	765	613	109	43	---	---
Subtotal fertilizers	626	613	13	0	---	---
3110 nitrogenous fert.	614	613	---	0	---	---
3190 fert. & mixes nec	13	---	13	---	---	---
Subtotal other chemicals and related products	138	0	96	42	---	---
3211 acyclic hydrocarbons	1	---	1	0	---	---
3219 other hydrocarbons	1	---	1	0	---	---
3220 alcohols	1	---	0	1	---	---
3230 carboxylic acids	9	---	8	2	---	---
3240 nitrogen func. comp.	2	---	1	1	---	---
3250 organo - inorg. comp.	4	---	2	2	---	---
3260 organic comp. nec	2	---	0	2	---	---
3272 sulphuric acid	0	---	---	0	---	---
3273 ammonia	0	---	---	0	---	---
3275 inorg. elem., oxides, & halogen salts	2	---	0	1	---	---
3276 metallic salts	43	---	43	0	---	---
3279 inorganic chem. nec	1	---	1	0	---	---
3282 pigments & paints	1	0	1	0	---	---
3283 coloring mat. nec	1	---	1	---	---	---
3284 medicines	5	---	1	4	---	---
3285 perfumes & cleansers	13	---	4	8	---	---
3286 plastics	44	---	28	16	---	---
3291 pesticides	0	---	0	---	---	---
3292 starches, gluten, glue	0	---	0	---	---	---
3297 chemical additives	1	---	0	0	---	---
3299 chem. products nec	8	0	3	5	---	---

JAMES RIVER, VA (CONSOLIDATED REPORT)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign			Canadian	
		Exports	Through		Through	
			Upbound	Downbnd	Upbound	Downbnd
Total crude materials, inedible except fuels	51	0	2	18	---	31
Subtotal forest products, wood and chips	6	---	---	6	---	---
4170 wood in the rough	6	---	---	6	---	---
4189 lumber	0	---	---	0	---	---
Subtotal pulp and waste paper	31	0	---	0	---	31
4225 pulp & waste paper	31	0	---	0	---	31
Subtotal soil, sand, gravel, rock and stone	1	---	---	1	---	---
4323 gypsum	0	---	---	0	---	---
4331 sand & gravel	1	---	---	1	---	---
Subtotal non-ferrous ores and scrap	2	---	2	0	---	---
4680 non-ferrous scrap	2	---	2	0	---	---
Subtotal sulphur, clay and salt	11	---	---	11	---	---
4782 clay & refrac. mat.	11	---	---	11	---	---
Subtotal other non-metal. min.	0	---	0	0	---	---
4900 non-metal. min. nec	0	---	0	0	---	---
Total primary manufactured goods	117	0	49	10	56	1
Subtotal paper products	85	0	24	2	56	1
5110 newsprint	56	---	---	---	56	---
5120 paper & paperboard	26	0	24	1	---	1
5190 paper products nec	2	---	0	2	---	---
Subtotal lime, cement and glass	10	---	6	4	---	---
5240 glass & glass prod.	6	---	5	1	---	---
5290 misc. mineral prod.	4	---	1	3	---	---
Subtotal primary iron and steel products	12	---	11	1	---	---
5315 ferro alloys	0	---	---	0	---	---
5320 i&s primary forms	0	---	---	0	---	---
5330 i&s plates & sheets	5	---	5	0	---	---
5360 i&s bars & shapes	6	---	6	---	---	---
5370 i&s pipe & tube	0	---	0	0	---	---
5390 primary i&s nec	0	---	0	---	---	---
Subtotal primary non-ferrous metal products	11	---	7	4	---	---
5421 copper	0	---	0	0	---	---
5422 aluminum	1	---	1	0	---	---
5429 smelted prod. nec	5	---	2	3	---	---
5480 fab. metal products	5	---	4	0	---	---
Subtotal primary wood products	0	---	0	0	---	---
5540 primary wood prod.	0	---	0	0	---	---
Total food and farm products	135	0	49	86	---	---
Subtotal vegetable products	1	---	0	0	---	---
6654 vegetables & prod.	1	---	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	134	0	49	85	---	---
6811 meat, fresh, frozen	0	0	---	0	---	---
6822 dairy products	0	---	---	0	---	---
6838 tallow, animal oils	0	---	---	0	---	---
6858 fruit juices	0	---	0	---	---	---
6871 coffee	0	---	---	0	---	---
6872 cocoa beans	0	---	0	---	---	---
6885 alcoholic beverages	46	---	46	0	---	---
6889 food products nec	4	---	2	2	---	---
6891 tobacco & products	84	---	1	83	---	---
6893 cotton	0	---	---	0	---	---
Total all manufactured equipment, machinery and products	66	0	36	31	---	---
7110 machinery (not elec)	13	---	9	5	---	---
7120 electrical machinery	2	---	0	2	---	---
7210 vehicles & parts	10	---	8	2	---	---
7300 ordnance & access.	0	---	---	0	---	---
7400 manufac. wood prod.	0	---	0	---	---	---
7500 textile products	27	---	12	15	---	---
7600 rubber & plastic pr.	11	0	5	5	---	---
7900 manufac. prod. nec	2	---	1	2	---	---
Total unknown or not elsewhere classified	1	---	1	0	---	0
9900 unknown or nec	1	---	1	0	---	0
Ton-miles (x1000) Foreign & Canadian	86,636	41,758	21,116	16,168	4,854	2,740

JAMES RIVER, VA (CONSOLIDATED REPORT)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Coastwise		
		Receipts	Shipments	Through Upbound
Total, all commodities	159	3	62	94
Total petroleum and petroleum products	94	—	—	94
Subtotal petroleum products	94	—	—	94
2350 lube oil & greases	16	—	—	16
2430 asphalt, tar & pitch	79	—	—	79
Total chemicals and related products	65	3	62	—
Subtotal fertilizers	62	—	62	—
3110 nitrogenous fert.	62	—	62	—
Subtotal other chemicals and related products	3	3	—	—
3272 sulphuric acid	3	3	—	—
Ton-miles (x1000)	12,451	188	4,166	8,098
Coastwise				

Commodity	Total	Internal				
		Inbound		Outbound	Through	
		Upbound	Downbnd	Downbnd	Upbound	Downbnd
Total, all commodities	5,122	718	453	297	634	3,020
Total petroleum and petroleum products	353	131	—	16	86	120
Subtotal petroleum products	353	131	—	16	86	120
2211 gasoline	3	—	—	—	3	—
2330 distillate fuel oil	192	40	—	16	16	120
2340 residual fuel oil	73	22	—	—	52	0
2350 lube oil & greases	0	—	—	—	0	—
2430 asphalt, tar & pitch	84	69	—	—	15	—
Total chemicals and related products	516	252	—	264	—	—
Subtotal fertilizers	242	4	—	239	—	—
3110 nitrogenous fert.	242	4	—	239	—	—
Subtotal other chemicals and related products	274	248	—	26	—	—
3220 alcohols	244	244	—	—	—	—
3272 sulphuric acid	15	5	—	10	—	—
3274 sodium hydroxide	15	—	—	15	—	—
Total crude materials, inedible except fuels	4,251	333	453	16	549	2,900
Subtotal forest products, wood and chips	0	0	—	—	—	—
4170 wood in the rough	0	0	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	4,251	332	453	16	549	2,900
4327 phosphate rock	16	—	—	16	—	—
4331 sand & gravel	4,234	332	453	—	549	2,900
Total primary manufactured goods	0	0	—	—	—	—
Subtotal primary non-ferrous metal products	0	0	—	—	—	—
5480 fab. metal products	0	0	—	—	—	—
Total food and farm products	2	2	—	—	—	0
Subtotal fish	0	—	—	—	—	0
6136 shellfish	0	—	—	—	—	0
Subtotal oilseeds	2	2	—	—	—	—
6522 soybeans	2	2	—	—	—	—
Ton-miles (x1000)	299,638	28,624	20,366	20,137	15,596	214,916
Internal						
Tons All Traffic (x1000)	6,417					
Ton-miles All Traffic (x1000)	398,725					

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
1990	325	1993	378	1996	428	1999	265
1991	288	1994	400	1997	404		
1992	206	1995	463	1998	395		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Upbound
Total, all commodities	265	265	
Total petroleum and petroleum products	20	20	
Subtotal petroleum products	20	20	
2330 distillate fuel oil	20	20	
Total crude materials, inedible except fuels	244	244	
Subtotal soil, sand, gravel, rock and stone	244	244	
4331 sand & gravel	244	244	
Total food and farm products	0	0	
Subtotal fish	0	0	
6136 shellfish	0	0	
Ton-miles (x1000)	794	794	
Tons All Traffic (x1000)	265		
Ton-miles All Traffic (x1000)	794		

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
1990	671	1993	4,181	1996	4,630	1999	4,135
1991	974	1994	3,020	1997	4,150		
1992	1,366	1995	3,610	1998	4,245		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal	
		Outbound	Downbnd
Total, all commodities	4,135	4,135	
Total crude materials, inedible except fuels	4,135	4,135	
Subtotal soil, sand, gravel, rock and stone	4,135	4,135	
4331 sand & gravel	4,135	4,135	
Ton-miles (x1000)	33,079	33,079	
Tons All Traffic (x1000)	4,135		
Ton-miles All Traffic (x1000)	33,079		

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
1990	1,243	1993	1,519	1996	1,513	1999	938
1991	1,652	1994	1,252	1997	1,214		
1992	1,354	1995	1,381	1998	983		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic				
		Coastwise		Internal		
		Through		Inbound	Through	
		Upbound	Downbnd	Downbnd	Upbound	Downbnd
Total, all commodities	938	25	23	813	32	46
Total petroleum and petroleum products	68	---	---	52	---	16
Subtotal petroleum products	68	---	---	52	---	16
2211 gasoline	46	---	---	39	---	6
2330 distillate fuel oil	2	---	---	2	---	---
2340 residual fuel oil	20	---	---	11	---	9
Total chemicals and related products	56	---	---	---	29	27
Subtotal fertilizers	56	---	---	---	29	27
3110 nitrogenous fert.	49	---	---	---	22	27
3190 fert. & mixes nec	7	---	---	---	7	---
Total crude materials, inedible except fuels	760	---	---	760	---	---
Subtotal soil, sand, gravel, rock and stone	760	---	---	760	---	---
4331 sand & gravel	760	---	---	760	---	---
Total primary manufactured goods	18	12	2	---	0	4
Subtotal lime, cement and glass	1	---	---	---	---	1
5290 misc. mineral prod.	1	---	---	---	---	1
Subtotal primary non-ferrous metal products	16	12	2	---	0	2
5480 fab. metal products	16	12	2	---	0	2
Total food and farm products	2	---	---	---	2	---
Subtotal oilseeds	2	---	---	---	2	---
6522 soybeans	2	---	---	---	2	---
Total all manufactured equipment, machinery and products	34	13	21	---	---	---
7120 electrical machinery	0	---	0	---	---	---
7210 vehicles & parts	11	0	11	---	---	---
7230 ships & boats	0	---	0	---	---	---
7900 manufac. prod. nec	23	13	10	---	---	---
Ton-miles (x1000)	7,803	637	606	4,535	835	1,190
Tons All Traffic (x1000)	938					
Ton-miles All Traffic (x1000)	7,803					

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
1990	73	1993	503	1996	545	1999	564
1991	40	1994	548	1997	725		
1992	71	1995	528	1998	507		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Outbound
		Upbound	Downbnd
Total, all commodities	564	505	59
Total petroleum and petroleum products	66	66	---
Subtotal petroleum products	66	66	---
2340 residual fuel oil	66	66	---
Total chemicals and related products	27	27	---
Subtotal fertilizers	12	12	---
3110 nitrogenous fert.	12	12	---

PAMUNKEY RIVER, VA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Outbound
		Upbound	Downbnd
Subtotal other chemicals and related products	15	15	---
3274 sodium hydroxide	15	15	---
Total crude materials, inedible except fuels	411	411	---
Subtotal forest products, wood and chips	411	411	---
4161 wood chips	411	411	---
Total food and farm products	59	---	59
Subtotal grain	28	---	28
6241 wheat	10	---	10
6344 corn	17	---	17
6443 barley & rye	1	---	1
Subtotal oilseeds	31	---	31
6522 soybeans	31	---	31
Ton-miles (x1000)	564	505	59

Tons All Traffic (x1000) **564**
Ton-miles All Traffic (x1000) **564**

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
1990	6,328	1993	5,478	1996	6,974	1999	5,465
1991	5,429	1994	6,944	1997	5,495		
1992	6,092	1995	6,057	1998	5,540		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign	Canadian
		Imports	Imports
Total, all commodities	1,336	1,053	283
Total petroleum and petroleum products	1,309	1,027	283
Subtotal crude petroleum	954	671	283
2100 crude petroleum	954	671	283
Subtotal petroleum products	355	355	---
2340 residual fuel oil	169	169	---
2429 naphtha & solvents	184	184	---
2430 asphalt, tar & pitch	3	3	---
Total chemicals and related products	27	27	---
Subtotal other chemicals and related products	27	27	---
3260 organic comp. nec	27	27	---
Total food and farm products	0	0	---
Subtotal other agricultural products	0	0	---
6889 food products nec	0	0	---
Ton-miles (x1000)	10,687	8,427	2,260
Foreign & Canadian			

Commodity	Total	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound	Outbound	Through		Intra
				Upbound	Downbnd	Upbound	Downbnd	Upbound
Total, all commodities	4,129	175	1,232	572	1,586	505	59	1
Total petroleum and petroleum products	3,580	131	1,232	565	1,585	66	---	1
Subtotal crude petroleum	115	---	---	115	---	---	---	---
2100 crude petroleum	115	---	---	115	---	---	---	---
Subtotal petroleum products	3,466	131	1,232	450	1,585	66	---	1
2211 gasoline	1,604	65	523	---	1,016	---	---	1
2330 distillate fuel oil	1,282	---	694	112	476	---	---	---
2340 residual fuel oil	513	66	15	271	93	66	---	---
2350 lube oil & greases	0	---	---	0	---	---	---	---
2429 naphtha & solvents	67	---	---	67	---	---	---	---

YORK RIVER, VA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Through Upbound	Through Downbnd	Intra Upbound
Total chemicals and related products	78	44	---	7	---	27	---	---
Subtotal fertilizers	12	---	---	---	---	12	---	---
3110 nitrogenous fert.	12	---	---	---	---	12	---	---
Subtotal other chemicals and related products	66	44	---	7	---	15	---	---
3274 sodium hydroxide	18	---	---	3	---	15	---	---
3297 chemical additives	48	44	---	4	---	---	---	---
Total crude materials, inedible except fuels	412	---	---	0	0	411	---	---
Subtotal forest products, wood and chips	412	---	---	0	0	411	---	---
4161 wood chips	411	---	---	---	---	411	---	---
4170 wood in the rough	1	---	---	0	0	---	---	---
Total primary manufactured goods	0	---	---	0	---	---	---	---
Subtotal primary non-ferrous metal products	0	---	---	0	---	---	---	---
5480 fab. metal products	0	---	---	0	---	---	---	---
Total food and farm products	59	---	---	0	0	---	59	---
Subtotal fish	0	---	---	0	0	---	---	---
6136 shellfish	0	---	---	0	0	---	---	---
Subtotal grain	28	---	---	---	---	---	28	---
6241 wheat	10	---	---	---	---	---	10	---
6344 corn	17	---	---	---	---	---	17	---
6443 barley & rye	1	---	---	---	---	---	1	---
Subtotal oilseeds	31	---	---	---	---	---	31	---
6522 soybeans	31	---	---	---	---	---	31	---
Ton-miles (x1000) Domestic	35,806	706	4,944	2,306	6,420	19,188	2,241	1
Tons All Traffic (x1000)		5,465						
Ton-miles All Traffic (x1000)		46,496						

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
1990	53	1993	279	1996	305	1999	373
1991	34	1994	332	1997	396		
1992	209	1995	316	1998	321		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal	
		Outbound Downbnd	Through Downbnd
Total, all commodities	372	224	148
Total chemicals and related products	2	---	2
Subtotal fertilizers	2	---	2
3110 nitrogenous fert.	2	---	2
Total crude materials, inedible except fuels	224	224	0
Subtotal forest products, wood and chips	43	43	---
4161 wood chips	43	43	---
Subtotal soil, sand, gravel, rock and stone	181	181	---
4331 sand & gravel	181	181	---
Subtotal marine shells	0	---	0
4515 marine shells	0	---	0
Total food and farm products	146	0	146
Subtotal fish	0	0	0
6134 fish (not shellfish)	0	0	---
6136 shellfish	0	0	0
Subtotal grain	115	---	115
6241 wheat	14	---	14
6344 corn	97	---	97
6443 barley & rye	3	---	3
Subtotal oilseeds	28	---	28
6522 soybeans	28	---	28

RAPPAHANNOCK RIVER, VA
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total	Internal	
		Outbound Downbnd	Through Downbnd
Subtotal vegetable products	2	—	2
6654 vegetables & prod.	2	—	2
Subtotal processed grain and animal feed	1	—	1
6746 wheat flour	1	—	1
Ton-miles (x1000)	22,382	16,337	6,045
Tons All Traffic (x1000)			373
Ton-miles All Traffic (x1000)			22,386

Other Harbors and Waterways 1999

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	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 1
BEACH CREEK, VA	6136 shellfish	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 0
BROAD CREEK, VA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 0
CAPE CHARLES CITY HARBOR, VA	2100 crude petroleum	24
	4331 sand & gravel	118
	5220 cement & concrete	1
	5290 misc. mineral prod.	11
	6134 fish (not shellfish)	0
	6136 shellfish	0
Total Tons(x1000)	154	
CARTERS CREEK, VA	4515 marine shells	0
	6136 shellfish	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 0
CHANNEL CONNECTING YORK RIVER, VA, WITH BACK CREEK TO SLAIGHTS WHARF, VA	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000) Total Ton-miles(x1000)	1 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	6136 shellfish	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 0
CHINCOTEAGUE HARBOR OF REFUGE, VA	No Commerce Reported	
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) Total Ton-miles(x1000)	0 0
DELAWARE BAY - CHESAPEAKE BAY WATERWAY - VIRGINIA PORTION	6136 shellfish	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 0

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
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	14
	6344 corn	97
	6443 barley & rye	3
	6522 soybeans	23
	6654 vegetables & prod.	2
	6746 wheat flour	1
	Total Tons(x1000)	141
	Total Ton-miles(x1000)	141
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	2330 distillate fuel oil	11
	2340 residual fuel oil	2
	4331 sand & gravel	2
	5480 fab. metal products	0
	Total Tons(x1000)	16
	Total Ton-miles(x1000)	16
LOCKLIES CREEK, VA	No Commerce Reported	
LYNHAVEN ROADS, INLET, AND CONNECTING WATERS, VA	2350 lube oil & greases	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
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	No Commerce Reported	

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
NEWPORT NEWS CREEK, VA (INCLUDED IN PORT OF NEWPORT NEWS, VA)	No Commerce Reported	
OCCOHANNOCK CREEK, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
ONANCOCK RIVER, VA	2330 distillate fuel oil	6
	4331 sand & gravel	62
	6136 shellfish	0
	Total Tons(x1000)	68
	Total Ton-miles(x1000)	410
OYSTER CHANNEL, VA	No Commerce Reported	
PAGAN RIVER, VA	No Commerce Reported	
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
	2340 residual fuel oil	1
	6134 fish (not shellfish)	0
	6136 shellfish	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	2
	Total Ton-miles(x1000)	2
TOTUSKEY CREEK, VA	No Commerce Reported	
TYLERS BEACH, VA	No Commerce Reported	
URBANNA CREEK, VA	3110 nitrogenous fert.	2
	6522 soybeans	5
	Total Tons(x1000)	7
	Total Ton-miles(x1000)	7
WILLOUGHBY CHANNEL, VA	No Commerce Reported	
WINTER HARBOR, VA	6136 shellfish	0
	Total Tons(x1000)	0
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
1990	2,081	1993	1,405	1996	1,998	1999	1,606
1991	2,223	1994	1,533	1997	1,730		
1992	1,699	1995	1,405	1998	2,044		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal		
		Inbound Upbound	Outbound Downbnd	Intra Upbound
Total, all commodities	1,606	538	1,063	4
Total petroleum and petroleum products	4	4	—	—
Subtotal petroleum products	4	4	—	—
2340 residual fuel oil	4	4	—	—
Total chemicals and related products	1,598	535	1,063	—
Subtotal fertilizers	1,084	108	976	—
3110 nitrogenous fert.	19	—	19	—
3120 phosphatic fert.	1,058	108	950	—
3190 fert. & mixes nec	7	—	7	—
Subtotal other chemicals and related products	514	427	87	—
3271 sulphur (liquid)	360	360	—	—
3272 sulphuric acid	67	67	—	—
3275 inorg. elem., oxides, & halogen salts	87	—	87	—
Total food and farm products	4	—	—	4
Subtotal fish	4	—	—	4
6134 fish (not shellfish)	0	—	—	0
6136 shellfish	4	—	—	4
Ton-miles (x1000)	40,194	13,462	26,629	103

Tons All Traffic (x1000) **1,606**
Ton-miles All Traffic (x1000) **40,197**

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
1990	2,617	1993	2,094	1996	2,539	1999	1,825
1991	2,821	1994	2,227	1997	2,276		
1992	2,190	1995	2,055	1998	2,378		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Coastwise	
		Through Upbound	Downbnd
Total, all commodities	49	25	24
Total primary manufactured goods	14	12	2
Subtotal primary iron and steel products	0	—	0
5370 i&s pipe & tube	0	—	0
Subtotal primary non-ferrous metal products	14	12	2
5480 fab. metal products	14	12	2
Total all manufactured equipment, machinery and products	35	13	22
7120 electrical machinery	0	—	0
7210 vehicles & parts	11	0	11
7230 ships & boats	0	—	0
7500 textile products	1	—	1
7600 rubber & plastic pr.	0	—	0
7900 manufac. prod. nec	23	13	10
Ton-miles (x1000)	14,757	7,498	7,260
Coastwise			

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (WILMINGTON DISTRICT)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Internal						
		Inbound		Outbound		Through		Intra
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Downbnd
Total, all commodities	1,776	1	10	4	2	648	1,111	1
Total petroleum and petroleum products	85	---	---	---	---	69	16	---
Subtotal petroleum products	85	---	---	---	---	69	16	---
2211 gasoline	6	---	---	---	---	---	6	---
2340 residual fuel oil	78	---	---	---	---	69	9	---
Total chemicals and related products	1,636	---	---	2	---	566	1,069	---
Subtotal fertilizers	1,122	---	---	2	---	139	982	---
3110 nitrogenous fert.	57	---	---	2	---	24	32	---
3120 phosphatic fert.	1,058	---	---	---	---	108	950	---
3190 fert. & mixes nec	7	---	---	---	---	7	---	---
Subtotal other chemicals and related products	514	---	---	---	---	427	87	---
3271 sulphur (liquid)	360	---	---	---	---	360	---	---
3272 sulphuric acid	67	---	---	---	---	67	---	---
3275 inorg. elem.,oxides, & halogen salts	87	---	---	---	---	---	87	---
3293 explosives	0	---	---	---	---	0	---	---
Total crude materials, inedible except fuels	0	---	---	---	---	---	0	---
Subtotal pulp and waste paper	0	---	---	---	---	---	0	---
4225 pulp & waste paper	0	---	---	---	---	---	0	---
Total primary manufactured goods	15	---	---	---	---	10	5	---
Subtotal lime, cement and glass	11	---	---	---	---	10	1	---
5290 misc. mineral prod.	11	---	---	---	---	10	1	---
Subtotal primary non-ferrous metal products	4	---	---	---	---	0	4	---
5422 aluminum	1	---	---	---	---	---	1	---
5480 fab. metal products	3	---	---	---	---	0	2	---
Total food and farm products	34	1	10	2	2	2	16	1
Subtotal fish	32	1	10	---	2	2	16	1
6134 fish (not shellfish)	16	0	6	---	0	1	8	0
6136 shellfish	16	1	3	---	2	2	8	1
Subtotal oilseeds	2	---	---	2	---	---	---	---
6522 soybeans	2	---	---	2	---	---	---	---
Total all manufactured equipment, machinery and products	6	---	---	---	---	1	6	---
7110 machinery (not elec)	0	---	---	---	---	0	---	---
7210 vehicles & parts	0	---	---	---	---	0	---	---
7900 manufac. prod. nec	6	---	---	---	---	0	6	---
Ton-miles (x1000) Internal	106,029	8	399	156	242	42,484	62,705	36
Tons All Traffic (x1000)		1,825						
Ton-miles All Traffic (x1000)		120,796						

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
1990	5,049	1993	3,999	1996	5,588	1999	4,636
1991	5,237	1994	4,195	1997	5,201		
1992	4,440	1995	4,620	1998	5,260		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	2,943	805	1,760	124	255
Total petroleum and petroleum products	128	127	1	—	—
Subtotal petroleum products	128	127	1	—	—
2350 lube oil & greases	1	—	1	—	—
2540 petroleum coke	127	127	—	—	—
Total chemicals and related products	1,379	47	1,209	124	—
Subtotal fertilizers	969	24	924	21	—
3110 nitrogenous fert.	16	16	—	—	—
3120 phosphatic fert.	26	—	26	—	—
3130 potassic fert.	30	9	—	21	—
3190 fert. & mixes nec	898	—	898	—	—
Subtotal other chemicals and related products	409	22	285	102	—
3219 other hydrocarbons	0	—	0	—	—
3240 nitrogen func. comp.	0	—	0	—	—
3260 organic comp. nec	2	—	2	—	—
3272 sulphuric acid	102	—	—	102	—
3275 inorg. elem., oxides, & halogen salts	287	22	265	—	—
3276 metallic salts	17	—	17	—	—
3279 inorganic chem. nec	0	—	0	—	—
3286 plastics	0	—	0	—	—
3297 chemical additives	0	—	0	—	—
3299 chem. products nec	0	—	0	—	—
Total crude materials, inedible except fuels	1,370	587	527	—	255
Subtotal forest products, wood and chips	884	103	526	—	255
4110 rubber & gums	101	101	—	—	—
4161 wood chips	781	—	526	—	255
4189 lumber	2	2	0	—	—
Subtotal pulp and waste paper	11	11	0	—	—
4225 pulp & waste paper	11	11	0	—	—
Subtotal iron ore and scrap	1	—	1	—	—
4420 iron & steel scrap	1	—	1	—	—
Subtotal sulphur, clay and salt	222	222	—	—	—
4741 sulphur, (dry)	222	222	—	—	—
Subtotal other non-metal. min.	251	251	—	—	—
4900 non-metal. min. nec	251	251	—	—	—
Total primary manufactured goods	19	18	1	—	—
Subtotal paper products	1	1	0	—	—
5120 paper & paperboard	1	1	0	—	—
Subtotal lime, cement and glass	0	—	0	—	—
5290 misc. mineral prod.	0	—	0	—	—
Subtotal primary iron and steel products	6	6	0	—	—
5320 i&s primary forms	0	—	0	—	—
5330 i&s plates & sheets	0	0	0	—	—
5360 i&s bars & shapes	0	0	0	—	—
5370 i&s pipe & tube	6	6	0	—	—
Subtotal primary non-ferrous metal products	11	11	0	—	—
5422 aluminum	5	5	0	—	—
5429 smelted prod. nec	0	—	0	—	—
5480 fab. metal products	6	5	0	—	—
Total food and farm products	30	18	12	—	—
Subtotal vegetable products	1	—	1	—	—
6653 vegetable oils	1	—	1	—	—
Subtotal processed grain and animal feed	4	4	0	—	—
6746 wheat flour	0	—	0	—	—
6782 animal feed, prep.	4	4	—	—	—
Subtotal other agricultural products	25	14	11	—	—
6811 meat, fresh, frozen	11	—	11	—	—
6839 animals & prod. nec	0	—	0	—	—
6889 food products nec	0	—	0	—	—
6893 cotton	13	13	—	—	—
6894 natural fibers nec	1	1	—	—	—
Total all manufactured equipment, machinery and products	17	9	8	—	—
7110 machinery (not elec)	6	0	6	—	—
7120 electrical machinery	1	—	1	—	—
7210 vehicles & parts	0	—	0	—	—
7220 aircraft & parts	1	—	1	—	—

MOREHEAD CITY HARBOR, NC
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
7300 ordnance & access.	1	—	1	—	—
7500 textile products	9	9	—	—	—
7600 rubber & plastic pr.	0	—	0	—	—
7900 manufac. prod. nec	0	0	0	—	—
Total unknown or not elsewhere classified	1	0	1	—	—
9900 unknown or nec	1	0	1	—	—

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	1,692	87	11	1,042	552
Total petroleum and petroleum products	7	5	—	2	—
Subtotal petroleum products	7	5	—	2	—
2340 residual fuel oil	2	—	—	2	—
2430 asphalt, tar & pitch	5	5	—	—	—
Total chemicals and related products	1,654	73	—	1,037	544
Subtotal fertilizers	1,068	—	—	950	118
3110 nitrogenous fert.	10	—	—	—	10
3120 phosphatic fert.	1,058	—	—	950	108
Subtotal other chemicals and related products	587	73	—	87	427
3271 sulphur (liquid)	433	73	—	—	360
3272 sulphuric acid	67	—	—	—	67
3275 inorg. elem., oxides, & halogen salts	87	—	—	87	—
3293 explosives	0	—	—	0	—
Total crude materials, inedible except fuels	20	10	10	—	0
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 iron ore and scrap	20	10	10	—	—
4420 iron & steel scrap	20	10	10	—	—
Total primary manufactured goods	3	—	0	1	1
Subtotal lime, cement and glass	1	—	—	1	—
5290 misc. mineral prod.	1	—	—	1	—
Subtotal primary iron and steel products	0	—	0	—	—
5370 i&s pipe & tube	0	—	0	—	—
Subtotal primary non-ferrous metal products	1	—	—	—	1
5422 aluminum	1	—	—	—	1
5480 fab. metal products	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	7	—	1	1	6
7210 vehicles & parts	0	—	—	0	—
7500 textile products	1	—	1	—	—
7600 rubber & plastic pr.	0	—	0	—	—
7900 manufac. prod. nec	6	—	—	0	6

*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 2 (x1000) tons of foreign outbound 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
1990	6,807	1993	7,509	1996	7,582	1999	6,503
1991	6,914	1994	7,697	1997	7,441		
1992	7,047	1995	7,861	1998	7,410		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	2,963	1,766	858	335	4
Total coal	0	---	0	---	---
1100 coal lignite	0	---	0	---	---
Total petroleum and petroleum products	453	450	4	---	---
Subtotal petroleum products	453	450	4	---	---
2211 gasoline	266	266	0	---	---
2221 kerosene	0	---	0	---	---
2340 residual fuel oil	42	42	0	---	---
2350 lube oil & greases	3	---	3	---	---
2430 asphalt, tar & pitch	0	0	0	---	---
2540 petroleum coke	142	142	0	---	---
2640 liquid natural gas	0	---	0	---	---
Total chemicals and related products	770	684	64	23	---
Subtotal fertilizers	84	72	5	7	---
3110 nitrogenous fert.	38	38	---	---	---
3130 potassic fert.	34	22	5	7	---
3190 fert. & mixes nec	12	12	0	---	---
Subtotal other chemicals and related products	686	612	59	16	---
3211 acyclic hydrocarbons	1	1	---	---	---
3219 other hydrocarbons	4	0	0	3	---
3220 alcohols	481	481	0	---	---
3230 carboxylic acids	7	2	5	---	---
3240 nitrogen func. comp.	3	2	1	---	---
3250 organo - inorg. comp.	1	1	0	---	---
3260 organic comp. nec	40	40	0	---	---
3272 sulphuric acid	10	---	2	8	---
3274 sodium hydroxide	54	49	---	5	---
3275 inorg. elem.oxides, & halogen salts	4	1	3	---	---
3276 metallic salts	32	20	12	---	---
3279 inorganic chem. nec	3	0	3	---	---
3281 radioactive material	0	---	0	---	---
3282 pigments & paints	1	0	1	---	---
3283 coloring mat. nec	0	0	0	---	---
3284 medicines	0	0	0	---	---
3285 perfumes & cleansers	3	1	1	---	---
3286 plastics	34	10	24	---	---
3291 pesticides	0	0	0	---	---
3292 starches, gluten, glue	1	0	1	---	---
3293 explosives	1	---	1	---	---
3297 chemical additives	2	0	2	---	---
3298 wood & resin chem.	0	---	0	---	---
3299 chem. products nec	5	2	3	---	---
Total crude materials, inedible except fuels	948	42	595	312	---
Subtotal forest products, wood and chips	184	4	180	0	---
4161 wood chips	136	---	136	---	---
4170 wood in the rough	5	---	5	---	---
4189 lumber	42	4	38	0	---
4190 forest products nec	0	0	0	---	---
Subtotal pulp and waste paper	391	0	391	---	---
4225 pulp & waste paper	391	0	391	---	---
Subtotal soil, sand, gravel, rock and stone	313	0	1	312	---
4323 gypsum	312	---	---	312	---
4331 sand & gravel	1	0	1	---	---
Subtotal iron ore and scrap	15	---	15	---	---
4420 iron & steel scrap	15	---	15	---	---
Subtotal marine shells	0	0	---	---	---
4515 marine shells	0	0	---	---	---
Subtotal non-ferrous ores and scrap	5	0	5	---	---
4650 aluminum ore	0	0	0	---	---
4680 non-ferrous scrap	5	0	4	---	---
4690 non-ferrous ores nec	0	---	0	---	---
Subtotal sulphur, clay and salt	1	0	1	---	---
4741 sulphur, (dry)	0	---	0	---	---
4782 clay & refrac. mat.	1	0	1	---	---
Subtotal slag	0	0	---	---	---
4860 slag	0	0	---	---	---
Subtotal other non-metal. min.	39	38	1	---	---
4900 non-metal. min. nec	39	38	1	---	---

PORT OF WILMINGTON, NC (SEE ALSO WILMINGTON HARBOR NC FOR WATERWAY DATA)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total primary manufactured goods	340	311	29	---	---
Subtotal paper products	19	5	14	---	---
5110 newsprint	0	---	0	---	---
5120 paper & paperboard	18	5	13	---	---
5190 paper products nec	1	0	1	---	---
Subtotal lime, cement and glass	88	87	1	---	---
5220 cement & concrete	36	36	---	---	---
5240 glass & glass prod.	3	2	1	---	---
5290 misc. mineral prod.	50	50	0	---	---
Subtotal primary iron and steel products	159	153	6	---	---
5312 pig iron	0	0	0	---	---
5315 ferro alloys	2	2	1	---	---
5320 i&s primary forms	5	5	---	---	---
5330 i&s plates & sheets	75	74	0	---	---
5360 i&s bars & shapes	60	59	0	---	---
5370 i&s pipe & tube	16	11	5	---	---
5390 primary i&s nec	1	1	0	---	---
Subtotal primary non-ferrous metal products	47	44	4	---	---
5421 copper	4	2	2	---	---
5422 aluminum	1	0	0	---	---
5429 smelted prod. nec	0	0	0	---	---
5480 fab. metal products	42	41	2	---	---
Subtotal primary wood products	26	22	5	---	---
5540 primary wood prod.	26	22	5	---	---
Total food and farm products	194	89	101	---	4
Subtotal fish	4	0	---	---	4
6134 fish (not shellfish)	4	0	---	---	4
Subtotal grain	19	0	19	---	---
6344 corn	14	---	14	---	---
6442 rice	6	0	5	---	---
Subtotal oilseeds	0	0	---	---	---
6590 oilseeds nec	0	0	---	---	---
Subtotal vegetable products	1	1	0	---	---
6653 vegetable oils	0	0	---	---	---
6654 vegetables & prod.	1	1	0	---	---
Subtotal processed grain and animal feed	53	38	15	---	---
6746 wheat flour	3	---	3	---	---
6747 grain mill products	0	0	0	---	---
6782 animal feed, prep.	49	38	11	---	---
Subtotal other agricultural products	117	49	67	---	---
6811 meat, fresh, frozen	32	0	32	---	---
6817 meat, prepared	0	---	0	---	---
6822 dairy products	0	---	0	---	---
6835 fish, prepared	1	1	---	---	---
6839 animals & prod. nec	10	---	10	---	---
6857 fruit & nuts nec	2	2	0	---	---
6858 fruit juices	1	1	0	---	---
6871 coffee	0	---	0	---	---
6872 cocoa beans	0	---	0	---	---
6885 alcoholic beverages	3	3	0	---	---
6889 food products nec	1	0	0	---	---
6891 tobacco & products	37	13	24	---	---
6893 cotton	31	31	0	---	---
6899 farm products nec	0	0	---	---	---
Total all manufactured equipment, machinery and products	250	190	59	0	---
7110 machinery (not elec)	37	27	11	---	---
7120 electrical machinery	27	14	13	---	---
7210 vehicles & parts	6	3	3	---	---
7220 aircraft & parts	0	0	0	---	---
7230 ships & boats	0	0	0	---	---
7300 ordnance & access.	13	0	13	---	---
7400 manufac. wood prod.	4	3	0	0	---
7500 textile products	37	26	11	---	---
7600 rubber & plastic pr.	26	23	3	---	---
7900 manufac. prod. nec	100	94	5	---	---
Total unknown or not elsewhere classified	6	1	6	---	---
9900 unknown or nec	6	1	6	---	---

Commodity	Total	Domestic				
		Coastwise		Internal		Intraport
		Receipts	Shipments	Receipts	Shipments	
Total, all commodities	3,540	2,461	14	39	998	29
Total petroleum and petroleum products	2,066	1,564	---	14	459	29
Subtotal petroleum products	2,066	1,564	---	14	459	29
2211 gasoline	684	681	---	3	---	---
2330 distillate fuel oil	224	222	---	1	---	0

PORT OF WILMINGTON, NC (SEE ALSO WILMINGTON HARBOR NC FOR WATERWAY DATA)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
2340 residual fuel oil	970	473	—	9	459	28
2350 lube oil & greases	10	10	—	—	—	—
2429 naphtha & solvents	24	24	—	—	—	—
2430 asphalt, tar & pitch	154	154	—	—	—	—
2640 liquid natural gas	0	—	—	0	—	—
Total chemicals and related products	1,448	897	14	—	538	—
Subtotal other chemicals and related products	1,448	897	14	—	538	—
3212 benzene & toluene	7	7	—	—	—	—
3219 other hydrocarbons	1,244	725	14	—	505	—
3220 alcohols	141	109	—	—	32	—
3274 sodium hydroxide	55	55	—	—	—	—
3293 explosives	0	—	—	—	0	—
Total crude materials, inedible except fuels	21	—	—	20	1	—
Subtotal forest products, wood and chips	3	—	—	3	0	—
4161 wood chips	0	—	—	—	0	—
4170 wood in the rough	0	—	—	0	—	—
4189 lumber	3	—	—	3	—	—
4190 forest products nec	0	—	—	0	—	—
Subtotal pulp and waste paper	2	—	—	1	1	—
4225 pulp & waste paper	2	—	—	1	1	—
Subtotal soil, sand, gravel, rock and stone	16	—	—	16	—	—
4331 sand & gravel	11	—	—	11	—	—
4335 waterway improv. mat	0	—	—	0	—	—
4338 soil & fill dirt	5	—	—	5	—	—
Subtotal iron ore and scrap	0	—	—	—	0	—
4420 iron & steel scrap	0	—	—	—	0	—
Total primary manufactured goods	4	—	0	4	—	—
Subtotal lime, cement and glass	2	—	—	2	—	—
5220 cement & concrete	0	—	—	0	—	—
5290 misc. mineral prod.	2	—	—	2	—	—
Subtotal primary iron and steel products	1	—	—	1	—	—
5360 i&s bars & shapes	1	—	—	1	—	—
5370 i&s pipe & tube	0	—	—	0	—	—
Subtotal primary non-ferrous metal products	1	—	0	1	—	—
5480 fab. metal products	1	—	0	1	—	—
Total food and farm products	0	—	—	0	0	—
Subtotal other agricultural products	0	—	—	0	0	—
6887 groceries	0	—	—	0	—	—
6899 farm products nec	0	—	—	0	0	—
Total all manufactured equipment, machinery and products	1	—	—	1	1	—
7110 machinery (not elec)	0	—	—	0	0	—
7210 vehicles & parts	0	—	—	—	0	—
7400 manufac. wood prod.	0	—	—	0	—	—
7900 manufac. prod. nec	0	—	—	0	—	—
Total waste and scrap nec	0	—	—	—	0	—
8900 waste and scrap nec	0	—	—	—	0	—

*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 8 (x1000) tons of foreign outbound 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
1990	7,099	1993	7,813	1996	8,121	1999	7,604
1991	7,175	1994	7,913	1997	8,131		
1992	7,226	1995	8,111	1998	8,030		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports	Through Upbound
				Upbound	Downbnd			
Total, all commodities	3,670	1,839	858	510	50	361	4	48
Total coal	0	—	0	—	—	—	—	—
1100 coal lignite	0	—	0	—	—	—	—	—

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports	Through
				Upbound	Downbnd			Upbound
Total petroleum and petroleum products	453	450	4	---	---	---	---	---
Subtotal petroleum products	453	450	4	---	---	---	---	---
2211 gasoline	266	266	0	---	---	---	---	---
2221 kerosene	0	---	0	---	---	---	---	---
2340 residual fuel oil	42	42	0	---	---	---	---	---
2350 lube oil & greases	3	---	3	---	---	---	---	---
2430 asphalt, tar & pitch	0	0	0	---	---	---	---	---
2540 petroleum coke	142	142	0	---	---	---	---	---
2640 liquid natural gas	0	---	0	---	---	---	---	---
Total chemicals and related products	982	687	64	133	35	49	---	14
Subtotal fertilizers	179	72	5	95	---	7	---	---
3110 nitrogenous fert.	132	38	---	94	---	---	---	---
3130 potassic fert.	35	22	5	1	---	7	---	---
3190 fert. & mixes nec	12	12	0	---	---	---	---	---
Subtotal other chemicals and related products	803	615	59	38	35	42	---	14
3211 acyclic hydrocarbons	1	1	---	---	---	---	---	---
3219 other hydrocarbons	4	0	0	---	---	3	---	---
3220 alcohols	491	481	0	10	---	---	---	---
3230 carboxylic acids	7	2	5	---	---	---	---	---
3240 nitrogen func. comp.	3	2	1	---	---	---	---	---
3250 organo - inorg. comp.	1	1	0	---	---	---	---	---
3260 organic comp. nec	43	40	0	3	---	---	---	---
3272 sulphuric acid	50	---	2	---	0	34	---	14
3274 sodium hydroxide	82	52	---	25	---	5	---	---
3275 inorg. elem., oxides, & halogen salts	4	1	3	---	---	---	---	---
3276 metallic salts	54	20	12	---	23	---	---	---
3279 inorganic chem. nec	14	0	3	---	12	---	---	---
3281 radioactive material	0	---	0	---	---	---	---	---
3282 pigments & paints	1	0	1	---	---	---	---	---
3283 coloring mat. nec	0	0	0	---	---	---	---	---
3284 medicines	0	0	0	---	---	---	---	---
3285 perfumes & cleansers	3	1	1	---	---	---	---	---
3286 plastics	35	10	24	---	1	---	---	---
3291 pesticides	0	0	0	---	---	---	---	---
3292 starches, gluten, glue	1	0	1	---	---	---	---	---
3293 explosives	1	---	1	---	---	---	---	---
3297 chemical additives	2	0	2	---	0	---	---	---
3298 wood & resin chem.	0	---	0	---	---	---	---	---
3299 chem. products nec	5	2	3	---	0	---	---	---
Total crude materials, inedible except fuels	1,275	42	595	279	13	312	---	34
Subtotal forest products, wood and chips	184	4	180	---	1	0	---	---
4161 wood chips	136	---	136	---	---	---	---	---
4170 wood in the rough	6	---	5	---	0	---	---	---
4189 lumber	43	4	38	---	1	0	---	---
4190 forest products nec	0	0	0	---	---	---	---	---
Subtotal pulp and waste paper	404	0	391	---	13	---	---	---
4225 pulp & waste paper	404	0	391	---	13	---	---	---
Subtotal soil, sand, gravel, rock and stone	434	0	1	87	---	312	---	34
4323 gypsum	312	---	---	---	---	312	---	---
4331 sand & gravel	122	0	1	87	---	---	---	34
Subtotal iron ore and scrap	15	---	15	---	---	---	---	---
4420 iron & steel scrap	15	---	15	---	---	---	---	---
Subtotal marine shells	0	0	---	---	---	---	---	---
4515 marine shells	0	0	---	---	---	---	---	---
Subtotal non-ferrous ores and scrap	117	0	5	112	0	---	---	---
4650 aluminum ore	0	0	0	---	---	---	---	---
4680 non-ferrous scrap	5	0	4	---	0	---	---	---
4690 non-ferrous ores nec	112	---	0	112	---	---	---	---
Subtotal sulphur, clay and salt	1	0	1	---	---	---	---	---
4741 sulphur, (dry)	0	---	0	---	---	---	---	---
4782 clay & refrac. mat.	1	0	1	---	---	---	---	---
Subtotal slag	0	0	---	---	---	---	---	---
4860 slag	0	0	---	---	---	---	---	---
Subtotal other non-metal. min.	120	38	1	81	---	---	---	---
4900 non-metal. min. nec	120	38	1	81	---	---	---	---
Total primary manufactured goods	439	311	29	98	1	---	---	---
Subtotal paper products	19	5	14	---	0	---	---	---
5110 newsprint	0	---	0	---	---	---	---	---
5120 paper & paperboard	18	5	13	---	0	---	---	---

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports	Through Upbound
				Upbound	Downbnd			
5190 paper products nec	1	0	1	—	—	—	—	—
Subtotal lime, cement and glass	186	87	1	98	0	—	—	—
5220 cement & concrete	133	36	—	98	—	—	—	—
5240 glass & glass prod.	3	2	1	—	0	—	—	—
5290 misc. mineral prod.	50	50	0	—	—	—	—	—
Subtotal primary iron and steel products	159	153	6	—	—	—	—	—
5312 pig iron	0	0	0	—	—	—	—	—
5315 ferro alloys	2	2	1	—	—	—	—	—
5320 i&s primary forms	5	5	—	—	—	—	—	—
5330 i&s plates & sheets	75	74	0	—	—	—	—	—
5360 i&s bars & shapes	60	59	0	—	—	—	—	—
5370 i&s pipe & tube	16	11	5	—	—	—	—	—
5390 primary i&s nec	1	1	0	—	—	—	—	—
Subtotal primary non-ferrous metal products	48	44	4	—	0	—	—	—
5421 copper	4	2	2	—	—	—	—	—
5422 aluminum	1	0	0	—	0	—	—	—
5429 smelted prod. nec	1	0	0	—	0	—	—	—
5480 fab. metal products	42	41	2	—	0	—	—	—
Subtotal primary wood products	26	22	5	—	0	—	—	—
5540 primary wood prod.	26	22	5	—	0	—	—	—
Total food and farm products	264	159	101	—	0	—	4	—
Subtotal fish	4	0	—	—	—	—	4	—
6134 fish (not shellfish)	4	0	—	—	—	—	4	—
Subtotal grain	19	0	19	—	—	—	—	—
6344 corn	14	—	14	—	—	—	—	—
6442 rice	6	0	5	—	—	—	—	—
Subtotal oilseeds	0	0	—	—	—	—	—	—
6590 oilseeds nec	0	0	—	—	—	—	—	—
Subtotal vegetable products	1	1	0	—	—	—	—	—
6653 vegetable oils	0	0	—	—	—	—	—	—
6654 vegetables & prod.	1	1	0	—	—	—	—	—
Subtotal processed grain and animal feed	53	38	15	—	—	—	—	—
6746 wheat flour	3	—	3	—	—	—	—	—
6747 grain mill products	0	0	0	—	—	—	—	—
6782 animal feed, prep.	49	38	11	—	—	—	—	—
Subtotal other agricultural products	187	120	67	—	0	—	—	—
6811 meat, fresh, frozen	32	0	32	—	0	—	—	—
6817 meat, prepared	0	—	0	—	—	—	—	—
6822 dairy products	0	—	0	—	—	—	—	—
6835 fish, prepared	1	1	—	—	—	—	—	—
6839 animals & prod. nec	10	—	10	—	—	—	—	—
6857 fruit & nuts nec	2	2	0	—	—	—	—	—
6858 fruit juices	1	1	0	—	—	—	—	—
6865 molasses	70	70	—	—	—	—	—	—
6871 coffee	0	—	0	—	—	—	—	—
6872 cocoa beans	0	—	0	—	—	—	—	—
6885 alcoholic beverages	3	3	0	—	—	—	—	—
6889 food products nec	1	0	0	—	0	—	—	—
6891 tobacco & products	37	13	24	—	—	—	—	—
6893 cotton	31	31	0	—	—	—	—	—
6899 farm products nec	0	0	—	—	—	—	—	—
Total all manufactured equipment, machinery and products	250	190	59	—	0	0	—	—
7110 machinery (not elec)	37	27	11	—	0	—	—	—
7120 electrical machinery	27	14	13	—	0	—	—	—
7210 vehicles & parts	6	3	3	—	0	—	—	—
7220 aircraft & parts	0	0	0	—	—	—	—	—
7230 ships & boats	0	0	0	—	—	—	—	—
7300 ordnance & access.	13	0	13	—	—	—	—	—
7400 manufac. wood prod.	4	3	0	—	—	0	—	—
7500 textile products	37	26	11	—	0	—	—	—
7600 rubber & plastic pr.	26	23	3	—	0	—	—	—
7900 manufac. prod. nec	100	94	5	—	0	—	—	—
Total unknown or not elsewhere classified	6	1	6	—	0	—	—	—
9900 unknown or nec	6	1	6	—	0	—	—	—
Ton-miles (x1000) Foreign & Canadian	103,002	49,440	24,022	16,834	1,641	9,388	103	1,576

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	2,843	2,461	14	344	24
Total petroleum and petroleum products	1,693	1,564	---	129	---
Subtotal petroleum products	1,693	1,564	---	129	---
2211 gasoline	681	681	---	---	---
2330 distillate fuel oil	222	222	---	---	---
2340 residual fuel oil	473	473	---	---	---
2350 lube oil & greases	10	10	---	---	---
2429 naphtha & solvents	24	24	---	---	---
2430 asphalt, tar & pitch	283	154	---	129	---
Total chemicals and related products	1,101	897	14	190	---
Subtotal other chemicals and related products	1,101	897	14	190	---
3212 benzene & toluene	7	7	---	---	---
3219 other hydrocarbons	739	725	14	---	---
3220 alcohols	141	109	---	31	---
3274 sodium hydroxide	214	55	---	159	---
Total primary manufactured goods	14	---	0	12	2
Subtotal primary iron and steel products	0	---	---	---	0
5370 i&s pipe & tube	0	---	---	---	0
Subtotal primary non-ferrous metal products	14	---	0	12	2
5480 fab. metal products	14	---	0	12	2
Total all manufactured equipment, machinery and products	35	---	---	13	22
7120 electrical machinery	0	---	---	---	0
7210 vehicles & parts	11	---	---	0	11
7230 ships & boats	0	---	---	---	0
7500 textile products	1	---	---	---	1
7600 rubber & plastic pr.	0	---	---	---	0
7900 manufac. prod. nec	23	---	---	13	10
Ton-miles (x1000)	79,525	68,227	380	10,724	194
Coastwise					

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	
Total, all commodities	1,091	18	928	70	12	13	7	43	
Total petroleum and petroleum products	507	13	391	68	2	3	7	22	
Subtotal petroleum products	507	13	391	68	2	3	7	22	
2211 gasoline	7	3	---	---	---	3	---	0	
2330 distillate fuel oil	1	1	---	---	---	---	0	0	
2340 residual fuel oil	499	9	391	68	2	---	7	22	
2640 liquid natural gas	0	---	---	---	---	---	---	0	
Total chemicals and related products	538	---	537	0	---	---	---	---	
Subtotal other chemicals and related products	538	---	537	0	---	---	---	---	
3219 other hydrocarbons	505	---	505	---	---	---	---	---	
3220 alcohols	32	---	32	---	---	---	---	---	
3293 explosives	0	---	---	0	---	---	---	---	
Total crude materials, inedible except fuels	21	1	---	1	---	0	0	19	
Subtotal forest products, wood and chips	3	---	---	---	---	---	0	3	
4161 wood chips	0	---	---	---	---	---	0	---	
4170 wood in the rough	0	---	---	---	---	---	---	0	
4189 lumber	3	---	---	---	---	---	---	3	
4190 forest products nec	0	---	---	---	---	---	---	0	
Subtotal pulp and waste paper	2	1	---	1	---	0	---	---	
4225 pulp & waste paper	2	1	---	1	---	0	---	---	
Subtotal soil, sand, gravel, rock and stone	16	---	---	---	---	---	---	16	
4331 sand & gravel	11	---	---	---	---	---	---	11	
4335 waterway improv. mat	0	---	---	---	---	---	---	0	
4338 soil & fill dirt	5	---	---	---	---	---	---	5	
Subtotal iron ore and scrap	0	---	---	---	---	---	0	---	
4420 iron & steel scrap	0	---	---	---	---	---	0	---	
Total primary manufactured goods	17	2	---	---	10	3	---	2	
Subtotal lime, cement and glass	11	---	---	---	10	---	---	2	
5220 cement & concrete	0	---	---	---	---	---	---	0	

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Internal						
		Inbound		Outbound		Through		
		Upbound	Upbound	Downbnd	Upbound	Downbnd	Intra Upbound Downbnd	
5290 misc. mineral prod.	11	—	—	—	10	—	—	2
Subtotal primary iron and steel products	1	1	—	—	—	—	—	0
5360 i&s bars & shapes	1	1	—	—	—	—	—	—
5370 i&s pipe & tube	0	—	—	—	—	—	—	0
Subtotal primary non-ferrous metal products	4	1	—	—	1	3	—	0
5422 aluminum	1	—	—	—	—	1	—	—
5480 fab. metal products	3	1	—	—	1	2	—	0
Total food and farm products	2	1	—	—	0	1	0	0
Subtotal fish	2	1	—	—	0	1	—	—
6134 fish (not shellfish)	2	1	—	—	0	0	—	—
6136 shellfish	0	0	—	—	—	0	—	—
Subtotal other agricultural products	0	—	—	—	—	—	0	0
6887 groceries	0	—	—	—	—	—	—	0
6899 farm products nec	0	—	—	—	—	—	0	0
Total all manufactured equipment, machinery and products	7	—	—	1	0	6	0	1
7110 machinery (not elec)	0	—	—	0	—	—	0	0
7210 vehicles & parts	0	—	—	0	—	—	—	—
7400 manufac. wood prod.	0	—	—	—	—	—	—	0
7900 manufac. prod. nec	6	—	—	—	0	6	—	0
Total waste and scrap nec	0	—	—	—	—	—	0	—
8900 waste and scrap nec	0	—	—	—	—	—	0	—
Ton-miles (x1000) Internal	5,743	344	4,080	934	103	101	8	173
Tons All Traffic (x1000)		7,604						
Ton-miles All Traffic (x1000)		188,271						

*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 8 (x1000) tons of foreign outbound 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
1990	308	1993	374	1996	311	1999	291
1991	397	1994	407	1997	309		
1992	458	1995	348	1998	406		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal		
		Inbound		Intra
		Upbound	Upbound	Downbnd
Total, all commodities	291	246	32	13
Total petroleum and petroleum products	246	246	—	—
Subtotal petroleum products	246	246	—	—
2340 residual fuel oil	246	246	—	—
Total chemicals and related products	45	—	32	13
Subtotal other chemicals and related products	45	—	32	13
3298 wood & resin chem.	45	—	32	13
Ton-miles (x1000)	7,790	6,747	739	304
Tons All Traffic (x1000)		291		
Ton-miles All Traffic (x1000)		7,790		

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
1990	468	1993	603	1996	976	1999	1,626
1991	537	1994	638	1997	1,137		
1992	613	1995	637	1998	1,173		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports*	Imports	Total	Coastwise	Internal	
							Receipts	Inbound
						Upbound	Upbound	
Total, all commodities	1,626	510	50	48	1,019	319	683	17
Total petroleum and petroleum products	274	---	---	---	274	129	145	---
Subtotal petroleum products	274	---	---	---	274	129	145	---
2340 residual fuel oil	145	---	---	---	145	---	145	---
2430 asphalt, tar & pitch	129	---	---	---	129	129	---	---
Total chemicals and related products	926	133	35	14	744	190	537	17
Subtotal fertilizers	95	95	---	---	---	---	---	---
3110 nitrogenous fert.	94	94	---	---	---	---	---	---
3130 potassic fert.	1	1	---	---	---	---	---	---
Subtotal other chemicals and related products	831	38	35	14	744	190	537	17
3219 other hydrocarbons	505	---	---	---	505	---	505	---
3220 alcohols	90	10	---	---	80	31	32	17
3260 organic comp. nec	3	3	---	---	---	---	---	---
3272 sulphuric acid	14	---	0	14	---	---	---	---
3274 sodium hydroxide	183	25	---	---	159	159	---	---
3276 metallic salts	23	---	23	---	---	---	---	---
3279 inorganic chem. nec	12	---	12	---	---	---	---	---
3286 plastics	1	---	1	---	---	---	---	---
3297 chemical additives	0	---	0	---	---	---	---	---
3299 chem. products nec	0	---	0	---	---	---	---	---
Total crude materials, inedible except fuels	326	279	13	34	---	---	---	---
Subtotal forest products, wood and chips	1	---	1	---	---	---	---	---
4170 wood in the rough	0	---	0	---	---	---	---	---
4189 lumber	1	---	1	---	---	---	---	---
Subtotal pulp and waste paper	13	---	13	---	---	---	---	---
4225 pulp & waste paper	13	---	13	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	121	87	---	34	---	---	---	---
4331 sand & gravel	121	87	---	34	---	---	---	---
Subtotal non-ferrous ores and scrap	112	112	0	---	---	---	---	---
4680 non-ferrous scrap	0	---	0	---	---	---	---	---
4690 non-ferrous ores nec	112	112	---	---	---	---	---	---
Subtotal other non-metal. min.	81	81	---	---	---	---	---	---
4900 non-metal. min. nec	81	81	---	---	---	---	---	---
Total primary manufactured goods	99	98	1	---	0	---	0	---
Subtotal paper products	0	---	0	---	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---	---
Subtotal lime, cement and glass	98	98	0	---	---	---	---	---
5220 cement & concrete	98	98	---	---	---	---	---	---
5240 glass & glass prod.	0	---	0	---	---	---	---	---
Subtotal primary non-ferrous metal products	1	---	0	---	0	---	0	---
5422 aluminum	0	---	0	---	---	---	---	---
5429 smelted prod. nec	0	---	0	---	---	---	---	---
5480 fab. metal products	1	---	0	---	0	---	0	---
Subtotal primary wood products	0	---	0	---	---	---	---	---
5540 primary wood prod.	0	---	0	---	---	---	---	---
Total food and farm products	0	---	0	---	---	---	---	---
Subtotal other agricultural products	0	---	0	---	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---	---

NORTHEAST (CAPE FEAR) RIVER, NC
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports*	Imports	Total	Coastwise	Internal	
							Receipts	Inbound Upbound
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)	43,560	0	0	0	43,560	12,761	30,715	84

Tons All Traffic (x1000) 1,626
 Ton-miles All Traffic (x1000) 43,560

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

Other Harbors and Waterways 1999

Harbor or Waterway Project	Commodity	Thousand Short Tons
ATLANTIC BEACH CHANNELS, NC	6134 fish (not shellfish)	2
	Total Tons(x1000)	2
AVON HARBOR, NC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	1
BAY RIVER, NC	6134 fish (not shellfish)	3
	6136 shellfish	2
	Total Tons(x1000)	5
	Total Ton-miles(x1000)	57
BEAUFORT HARBOR, NC	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	25
	6136 shellfish	3
	7110 machinery (not elec)	0
	Total Tons(x1000)	28
BELHAVEN HARBOR, NC	6134 fish (not shellfish)	1
	6136 shellfish	8
	Total Tons(x1000)	10
CASHIE RIVER, NC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	2
CHANNEL CONNECTING THOROUGHFARE BAY WITH CEDAR BAY, NC	No Commerce Reported	
CHANNEL FROM BACK SOUND TO LOOKOUT BIGHT, NC	6136 shellfish	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	4
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)	2
CHOWAN RIVER, NC	4170 wood in the rough	7
	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	8
Total Ton-miles(x1000)	376	
DRUM INLET, NC	No Commerce Reported	
EDENTON HARBOR, NC	4170 wood in the rough	3
	5290 misc. mineral prod.	2
	Total Tons(x1000)	5
FAR CREEK, NC	6134 fish (not shellfish)	0
	6136 shellfish	2
	Total Tons(x1000)	2
	Total Ton-miles(x1000)	7

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
KNOBBS CREEK, NC	No Commerce Reported	
LOCKWOODS FOLLY RIVER, NC	6134 fish (not shellfish) 6136 shellfish	0 0
	Total Tons(x1000) Total Ton-miles(x1000)	0 4
MACKAY CREEK, NC	No Commerce Reported	
MANNS HARBOR, NC	No Commerce Reported	
MANTEO (SHALLOWBAG) BAY, NC	5290 misc. mineral prod. 6134 fish (not shellfish) 6136 shellfish	3 20 5
	Total Tons(x1000) Total Ton-miles(x1000)	27 90
NEUSE RIVER, NC	2340 residual fuel oil 3110 nitrogenous fert. 5290 misc. mineral prod. 6134 fish (not shellfish) 6136 shellfish	63 16 5 2 3
	Total Tons(x1000) Total Ton-miles(x1000)	89 1,895
NEW RIVER, NC	6134 fish (not shellfish) 6136 shellfish	0 1
	Total Tons(x1000) Total Ton-miles(x1000)	1 0
OCRACOCKE INLET, NC	6134 fish (not shellfish) 6136 shellfish	9 1
	Total Tons(x1000) Total Ton-miles(x1000)	10 19
PERQUIMANS RIVER, NC	No Commerce Reported	
ROANOKE RIVER, NC	2340 residual fuel oil 3110 nitrogenous fert. 4170 wood in the rough 6134 fish (not shellfish) 6136 shellfish	9 18 4 0 0
	Total Tons(x1000) Total Ton-miles(x1000)	32 1,018
ROLLINSON CHANNEL, NC	6134 fish (not shellfish)	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 1
SCUPPERNONG RIVER, NC	No Commerce Reported	
SHALLOTTE RIVER, NC	6134 fish (not shellfish) 6136 shellfish	0 0
	Total Tons(x1000) Total Ton-miles(x1000)	0 0
SILVER LAKE HARBOR, NC	No Commerce Reported	
SMITHS CREEK (PAMLICO COUNTY), NC	6134 fish (not shellfish) 6136 shellfish	2 3
	Total Tons(x1000) Total Ton-miles(x1000)	5 5
SMITHS CREEK (WILMINGTON), NC	No Commerce Reported	

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
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)	4
	6136 shellfish	0
	Total Tons(x1000)	4
	Total Ton-miles(x1000)	8
TRENT RIVER, NC	3110 nitrogenous fert.	16
	Total Tons(x1000)	16
	Total Ton-miles(x1000)	16
WANCHESE HARBOR, NC (INCLUDED IN MANTEO) (SHALLOWBAG BAY, NC)	6134 fish (not shellfish)	14
	6136 shellfish	0
	Total Tons(x1000)	15
WATERWAY - NORFOLK, VA TO SOUNDS OF NC	5290 misc. mineral prod.	3
	6134 fish (not shellfish)	1
	6136 shellfish	4
	Total Tons(x1000)	8
	Total Ton-miles(x1000)	172
WATERWAY CONNECTING PAMLICO SOUND AND BEAUFORT HARBOR, NC	6134 fish (not shellfish)	4
	6136 shellfish	3
	Total Tons(x1000)	7
	Total Ton-miles(x1000)	99
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)	1
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
1990	583	1993	470	1996	350	1999	296
1991	428	1994	348	1997	294		
1992	259	1995	300	1998	193		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic					
		Coastwise		Internal			
		Through		Inbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	296	25	25	23	9	117	96
Total petroleum and petroleum products	121	---	---	18	---	95	8
Subtotal petroleum products	121	---	---	18	---	95	8
2211 gasoline	23	---	---	18	---	1	3
2330 distillate fuel oil	45	---	---	---	---	45	0
2340 residual fuel oil	53	---	---	---	---	49	4
2540 petroleum coke	0	---	---	---	---	---	0
Total crude materials, inedible except fuels	77	---	---	---	---	3	74
Subtotal pulp and waste paper	75	---	---	---	---	1	74
4225 pulp & waste paper	75	---	---	---	---	1	74
Subtotal sulphur, clay and salt	1	---	---	---	---	1	---
4782 clay & refrac. mat.	1	---	---	---	---	1	---
Total primary manufactured goods	42	12	3	---	---	19	8
Subtotal paper products	7	---	---	---	---	7	---
5120 paper & paperboard	0	---	---	---	---	0	---
5190 paper products nec	7	---	---	---	---	7	---
Subtotal lime, cement and glass	10	---	---	---	---	10	---
5290 misc. mineral prod.	10	---	---	---	---	10	---
Subtotal primary iron and steel products	4	---	0	---	---	1	3
5360 i&s bars & shapes	3	---	---	---	---	1	2
5370 i&s pipe & tube	1	---	0	---	---	---	0
5390 primary i&s nec	0	---	---	---	---	---	0
Subtotal primary non-ferrous metal products	20	12	3	---	---	2	4
5422 aluminum	1	---	---	---	---	---	1
5480 fab. metal products	19	12	3	---	---	2	3
Subtotal primary wood products	1	---	---	---	---	---	1
5540 primary wood prod.	1	---	---	---	---	---	1
Total food and farm products	15	---	---	5	9	0	0
Subtotal fish	15	---	---	5	9	0	0
6134 fish (not shellfish)	0	---	---	0	0	---	0
6136 shellfish	15	---	---	5	9	0	0
Total all manufactured equipment, machinery and products	41	13	22	---	---	0	6
7110 machinery (not elec)	1	---	---	---	---	---	1
7120 electrical machinery	0	---	0	---	---	---	---
7210 vehicles & parts	11	0	11	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---
7500 textile products	1	---	1	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---
7900 manufac. prod. nec	28	13	10	---	---	0	6
Ton-miles (x1000)	28,608	5,170	5,203	437	231	10,775	6,791
Tons All Traffic (x1000)							296
Ton-miles All Traffic (x1000)							28,630

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
1990	890	1993	1,113	1996	1,379	1999	1,269
1991	962	1994	706	1997	1,535		
1992	955	1995	1,234	1998	1,631		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise	Internal	
						Shipments	Receipts	Shipments
Total, all commodities	1,269	857	34	279	99	8	17	75
Total petroleum and petroleum products	18	2	—	—	17	—	15	1
Subtotal petroleum products	18	2	—	—	17	—	15	1
2330 distillate fuel oil	0	—	—	—	0	—	0	0
2340 residual fuel oil	16	—	—	—	16	—	15	1
2540 petroleum coke	2	2	—	—	—	—	—	—
Total chemicals and related products	0	0	0	—	—	—	—	—
Subtotal other chemicals and related products	0	0	0	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	—	—	—	—	—	—
3279 inorganic chem. nec	0	—	0	—	—	—	—	—
Total crude materials, inedible except fuels	756	371	34	279	72	—	0	72
Subtotal pulp and waste paper	106	—	34	—	72	—	0	72
4225 pulp & waste paper	106	—	34	—	72	—	0	72
Subtotal soil, sand, gravel, rock and stone	110	110	—	—	—	—	—	—
4310 building stone	0	0	—	—	—	—	—	—
4322 limestone	110	110	—	—	—	—	—	—
Subtotal iron ore and scrap	457	178	—	279	—	—	—	—
4410 iron ore	457	178	—	279	—	—	—	—
Subtotal sulphur, clay and salt	4	4	—	—	—	—	—	—
4782 clay & refrac. mat.	4	4	—	—	—	—	—	—
Subtotal other non-metal. min.	78	78	—	—	—	—	—	—
4900 non-metal. min. nec	78	78	—	—	—	—	—	—
Total primary manufactured goods	495	485	0	—	10	8	1	1
Subtotal paper products	0	—	0	—	—	—	—	—
5120 paper & paperboard	0	—	0	—	—	—	—	—
Subtotal lime, cement and glass	250	250	—	—	—	—	—	—
5220 cement & concrete	250	250	—	—	—	—	—	—
Subtotal primary iron and steel products	239	231	—	—	8	8	—	0
5312 pig iron	34	27	—	—	8	8	—	—
5315 ferro alloys	12	12	—	—	—	—	—	—
5330 i&s plates & sheets	0	0	—	—	—	—	—	—
5360 i&s bars & shapes	192	192	—	—	—	—	—	—
5370 i&s pipe & tube	0	—	—	—	0	—	—	0
5390 primary i&s nec	0	0	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	5	4	0	—	1	—	1	—
5422 aluminum	5	4	—	—	1	—	1	—
5480 fab. metal products	0	0	0	—	—	—	—	—
Subtotal primary wood products	1	0	—	—	1	—	—	1
5540 primary wood prod.	1	0	—	—	1	—	—	1
Total food and farm products	0	—	0	—	0	—	0	—
Subtotal fish	0	—	—	—	0	—	0	—
6134 fish (not shellfish)	0	—	—	—	0	—	0	—
6136 shellfish	0	—	—	—	0	—	0	—
Subtotal processed grain and animal feed	0	—	0	—	—	—	—	—
6782 animal feed, prep.	0	—	0	—	—	—	—	—

GEORGETOWN HARBOR, SC (WINYAH BAY)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise	Internal	
						Shipments	Receipts	Shipments
Total all manufactured equipment, machinery and products	0	0	0	---	---	---	---	---
7110 machinery (not elec)	0	0	---	---	---	---	---	---
7120 electrical machinery	0	0	0	---	---	---	---	---
7500 textile products	0	0	0	---	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---	---
7900 manufac. prod. 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
1990	9,697	1993	9,503	1996	11,083	1999	19,916
1991	9,464	1994	10,830	1997	17,874		
1992	9,650	1995	11,172	1998	18,689		

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

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	14,886	7,750	6,652	472	12
Total coal	4	0	4	0	---
1100 coal lignite	4	0	3	0	---
1200 coal coke	0	---	0	---	---
Total petroleum and petroleum products	570	508	19	43	---
Subtotal crude petroleum	1	0	1	---	---
2100 crude petroleum	1	0	1	---	---
Subtotal petroleum products	570	508	19	43	---
2211 gasoline	143	143	0	---	---
2330 distillate fuel oil	75	31	0	43	---
2340 residual fuel oil	79	78	1	---	---
2350 lube oil & greases	15	2	13	---	---
2410 petro. jelly & waxes	9	8	0	---	---
2429 naphtha & solvents	3	0	2	---	---
2430 asphalt, tar & pitch	1	1	1	---	---
2540 petroleum coke	245	244	1	---	---
2640 liquid natural gas	1	1	0	---	---
Total chemicals and related products	1,952	754	1,171	26	1
Subtotal fertilizers	51	21	8	21	---
3110 nitrogenous fert.	4	2	1	---	---
3120 phosphatic fert.	0	0	0	---	---
3130 potassic fert.	21	1	0	20	---
3190 fert. & mixes nec	26	18	7	1	---
Subtotal other chemicals and related products	1,901	733	1,163	5	1
3211 acyclic hydrocarbons	4	1	3	---	---
3212 benzene & toluene	0	0	0	---	---
3219 other hydrocarbons	19	7	13	0	---
3220 alcohols	116	91	25	---	0
3230 carboxylic acids	242	57	185	---	0
3240 nitrogen func. comp.	45	33	12	---	---
3250 organo - inorg. comp.	84	50	35	---	0
3260 organic comp. nec	45	18	27	---	---
3271 sulphur (liquid)	0	---	0	---	---
3272 sulphuric acid	5	0	5	---	---
3273 ammonia	0	0	---	---	---
3274 sodium hydroxide	26	19	3	4	---
3275 inorg. elem., oxides, & halogen salts	103	74	30	0	---
3276 metallic salts	121	41	80	0	---
3279 inorganic chem. nec	12	3	9	---	---
3281 radioactive material	3	3	0	---	---
3282 pigments & paints	147	27	119	0	---
3283 coloring mat. nec	48	36	12	---	---
3284 medicines	12	6	6	0	0
3285 perfumes & cleansers	63	19	44	0	0
3286 plastics	572	163	409	0	0
3291 pesticides	39	7	32	---	---
3292 starches, gluten, glue	58	33	24	---	---

CHARLESTON HARBOR, SC (INCLUDING ASHLEY RIVER, COOPER RIVER, SHEM CREEK AND SHIPYARD RIVER, SC)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
3293 explosives	0	0	0	—	—
3297 chemical additives	24	7	16	—	0
3298 wood & resin chem.	38	5	33	—	0
3299 chem. products nec	74	33	41	0	0
Total crude materials, inedible except fuels	3,383	884	2,099	389	10
Subtotal forest products, wood and chips	638	492	146	0	—
4110 rubber & gums	176	175	1	—	—
4150 fuel wood	1	0	0	—	—
4161 wood chips	3	—	3	—	—
4170 wood in the rough	17	5	12	—	—
4189 lumber	429	305	125	0	—
4190 forest products nec	12	7	4	—	—
Subtotal pulp and waste paper	1,113	28	1,086	—	—
4225 pulp & waste paper	1,113	28	1,086	—	—
Subtotal soil, sand, gravel, rock and stone	638	88	223	326	—
4310 building stone	3	2	1	—	—
4322 limestone	24	24	0	—	—
4323 gypsum	50	0	5	45	—
4331 sand & gravel	561	62	217	281	—
Subtotal iron ore and scrap	118	25	30	63	—
4410 iron ore	1	—	1	—	—
4420 iron & steel scrap	117	25	30	63	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	206	145	61	0	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	132	128	4	—	—
4670 manganese ore	1	—	1	—	—
4680 non-ferrous scrap	32	15	17	0	—
4690 non-ferrous ores nec	41	2	39	—	—
Subtotal sulphur, clay and salt	557	16	531	—	10
4741 sulphur, (dry)	1	—	1	—	—
4782 clay & refrac. mat.	556	16	531	—	10
Subtotal slag	3	1	2	—	—
4860 slag	3	1	2	—	—
Subtotal other non-metal. min.	111	90	21	0	0
4900 non-metal. min. nec	111	90	21	0	0
Total primary manufactured goods	3,684	2,651	1,027	7	0
Subtotal paper products	1,043	276	764	2	0
5110 newsprint	28	2	26	0	—
5120 paper & paperboard	965	256	707	2	0
5190 paper products nec	50	19	31	0	0
Subtotal lime, cement and glass	795	721	74	0	0
5210 lime	1	0	0	—	—
5220 cement & concrete	420	419	1	—	—
5240 glass & glass prod.	100	66	34	0	0
5290 misc. mineral prod.	275	236	39	0	0
Subtotal primary iron and steel products	1,236	1,199	38	—	0
5312 pig iron	1,055	1,054	2	—	—
5315 ferro alloys	19	8	11	—	—
5320 i&s primary forms	4	3	1	—	—
5330 i&s plates & sheets	42	36	6	—	0
5360 i&s bars & shapes	43	42	1	—	—
5370 i&s pipe & tube	31	19	12	—	—
5390 primary i&s nec	42	37	5	—	—
Subtotal primary non-ferrous metal products	471	360	106	4	0
5421 copper	32	21	10	—	—
5422 aluminum	160	100	56	4	0
5429 smelted prod. nec	44	38	6	—	—
5480 fab. metal products	235	201	34	0	—
Subtotal primary wood products	139	94	44	0	—
5540 primary wood prod.	139	94	44	0	—
Total food and farm products	2,002	743	1,254	5	0
Subtotal fish	104	65	38	2	—
6134 fish (not shellfish)	71	46	24	0	—
6136 shellfish	34	19	13	1	—
Subtotal grain	114	8	106	0	—
6241 wheat	59	—	59	—	—
6344 corn	8	5	2	0	—
6442 rice	47	3	44	—	—
6443 barley & rye	0	—	0	—	—
6447 sorghum grains	0	0	0	—	—
Subtotal oilseeds	106	11	95	0	—
6521 peanuts	18	10	8	—	—
6522 soybeans	85	0	85	—	—
6534 flaxseed	0	—	0	0	—
6590 oilseeds nec	3	1	3	—	—
Subtotal vegetable products	168	69	97	2	0
6653 vegetable oils	34	10	25	0	—
6654 vegetables & prod.	133	59	73	2	0
Subtotal processed grain and animal feed	213	43	170	0	0
6746 wheat flour	79	0	78	—	0
6747 grain mill products	51	19	32	0	—

CHARLESTON HARBOR, SC (INCLUDING ASHLEY RIVER, COOPER RIVER, SHEM CREEK AND SHIPYARD RIVER, SC)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
6781 hay & fodder	4	0	4	—	—
6782 animal feed, prep.	80	24	56	—	—
Subtotal other agricultural products	1,297	547	747	1	0
6811 meat, fresh, frozen	359	9	350	0	—
6817 meat, prepared	7	5	2	0	—
6822 dairy products	14	8	6	0	0
6835 fish, prepared	39	28	11	0	—
6838 tallow, animal oils	4	2	2	0	—
6839 animals & prod. nec	20	5	15	0	0
6856 bananas & plantains	2	1	1	—	—
6857 fruit & nuts nec	125	22	104	0	—
6858 fruit juices	93	49	44	—	0
6861 sugar	5	2	3	—	—
6865 molasses	1	0	1	—	—
6871 coffee	143	117	26	—	—
6872 cocoa beans	9	6	3	—	—
6885 alcoholic beverages	208	168	40	0	—
6888 water & ice	4	4	0	—	—
6889 food products nec	97	47	49	0	0
6891 tobacco & products	89	37	53	0	—
6893 cotton	60	27	32	—	0
6894 natural fibers nec	4	3	1	—	—
6899 farm products nec	12	8	4	0	—
Total all manufactured equipment, machinery and products	3,215	2,176	1,037	2	0
7110 machinery (not elec)	704	498	206	0	0
7120 electrical machinery	325	205	121	0	0
7210 vehicles & parts	369	271	98	0	0
7220 aircraft & parts	2	1	1	—	—
7230 ships & boats	9	1	9	—	—
7300 ordnance & access.	7	3	4	—	—
7400 manufac. wood prod.	77	51	26	0	—
7500 textile products	850	480	370	0	0
7600 rubber & plastic pr.	323	209	114	0	0
7900 manufac. prod. nec	548	457	90	1	0
Total unknown or not elsewhere classified	76	34	41	0	0
9900 unknown or nec	76	34	41	0	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intrahort
Total, all commodities	5,030	4,495	232	152	33	118
Total petroleum and petroleum products	2,927	2,733	4	60	24	107
Subtotal petroleum products	2,927	2,733	4	60	24	107
2211 gasoline	1,616	1,610	2	4	—	—
2221 kerosene	26	26	—	—	—	—
2330 distillate fuel oil	532	484	—	43	1	4
2340 residual fuel oil	358	221	—	13	22	102
2350 lube oil & greases	284	284	—	—	—	—
2429 naphtha & solvents	0	0	—	—	—	—
2430 asphalt, tar & pitch	109	108	2	—	—	—
2540 petroleum coke	0	—	—	—	0	—
Total chemicals and related products	1,083	1,077	7	—	—	—
Subtotal fertilizers	0	0	—	—	—	—
3110 nitrogenous fert.	0	0	—	—	—	—
Subtotal other chemicals and related products	1,083	1,077	7	—	—	—
3219 other hydrocarbons	889	889	—	—	—	—
3230 carboxylic acids	0	0	0	—	—	—
3260 organic comp. nec	2	1	1	—	—	—
3274 sodium hydroxide	175	175	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	0	—	—	—
3283 coloring mat. nec	0	0	0	—	—	—
3284 medicines	1	1	1	—	—	—
3285 perfumes & cleansers	0	0	0	—	—	—
3286 plastics	3	2	1	—	—	—
3291 pesticides	2	2	0	—	—	—
3292 starches, gluten, glue	2	1	0	—	—	—
3293 explosives	0	0	—	—	—	—
3298 wood & resin chem.	0	0	—	—	—	—
3299 chem. products nec	8	5	3	—	—	—
Total crude materials, inedible except fuels	525	437	0	74	2	11
Subtotal forest products, wood and chips	0	0	0	—	—	—
4170 wood in the rough	0	0	0	—	—	—
4189 lumber	0	0	0	—	—	—

CHARLESTON HARBOR, SC (INCLUDING ASHLEY RIVER, COOPER RIVER, SHEM CREEK AND SHIPYARD RIVER, SC)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal pulp and waste paper	76	0	0	73	2	0
4225 pulp & waste paper	76	0	0	73	2	0
Subtotal soil, sand, gravel, rock and stone	14	14	---	---	---	---
4338 soil & fill dirt	14	14	---	---	---	---
Subtotal iron ore and scrap	433	423	---	---	---	11
4420 iron & steel scrap	433	423	---	---	---	11
Subtotal non-ferrous ores and scrap	0	0	0	---	---	---
4690 non-ferrous ores nec	0	0	0	---	---	---
Subtotal sulphur, clay and salt	1	---	---	1	---	---
4782 clay & refrac. mat.	1	---	---	1	---	---
Total primary manufactured goods	93	35	44	9	6	---
Subtotal paper products	11	4	0	7	---	---
5110 newsprint	1	1	0	---	---	---
5120 paper & paperboard	3	3	0	0	---	---
5190 paper products nec	7	0	0	7	---	---
Subtotal lime, cement and glass	12	8	4	0	---	---
5240 glass & glass prod.	11	7	4	---	---	---
5290 misc. mineral prod.	2	2	0	0	---	---
Subtotal primary iron and steel products	27	9	14	0	4	---
5312 pig iron	8	8	---	---	---	---
5320 i&s primary forms	0	0	---	---	---	---
5360 i&s bars & shapes	5	2	---	---	3	---
5370 i&s pipe & tube	1	0	0	0	---	---
5390 primary i&s nec	14	---	14	---	0	---
Subtotal primary non-ferrous metal products	42	14	25	1	2	---
5421 copper	8	5	3	---	---	---
5422 aluminum	0	0	0	---	---	---
5480 fab. metal products	34	9	22	1	2	---
Subtotal primary wood products	1	---	---	1	---	---
5540 primary wood prod.	1	---	---	1	---	---
Total food and farm products	215	111	96	7	---	0
Subtotal fish	7	---	---	7	---	0
6134 fish (not shellfish)	1	---	---	1	---	---
6136 shellfish	6	---	---	5	---	0
Subtotal vegetable products	2	2	1	---	---	---
6654 vegetables & prod.	2	2	1	---	---	---
Subtotal processed grain and animal feed	0	0	0	---	---	---
6747 grain mill products	0	0	0	---	---	---
Subtotal other agricultural products	205	110	95	---	---	---
6811 meat, fresh, frozen	1	1	0	---	---	---
6822 dairy products	0	0	0	---	---	---
6838 tallow, animal oils	0	0	0	---	---	---
6839 animals & prod. nec	0	0	0	---	---	---
6857 fruit & nuts nec	0	0	0	---	---	---
6858 fruit juices	0	0	0	---	---	---
6871 coffee	0	0	0	---	---	---
6872 cocoa beans	4	3	1	---	---	---
6885 alcoholic beverages	181	96	86	---	---	---
6888 water & ice	15	7	7	---	---	---
6889 food products nec	2	1	1	---	---	---
6891 tobacco & products	0	0	0	---	---	---
6899 farm products nec	0	0	0	---	---	---
Total all manufactured equipment, machinery and products	187	102	81	2	1	0
7110 machinery (not elec)	10	8	1	---	1	0
7120 electrical machinery	30	3	27	---	---	---
7210 vehicles & parts	9	7	2	---	---	---
7220 aircraft & parts	0	0	0	---	---	---
7230 ships & boats	0	0	0	---	---	---
7400 manufac. wood prod.	2	1	1	---	---	0
7500 textile products	10	8	1	---	---	---
7600 rubber & plastic pr.	13	9	4	---	---	---
7900 manufac. prod. nec	114	67	45	2	0	---

*Includes 404 (x1000) tons of foreign inbound in-transits; Includes 277 (x1000) tons of foreign outbound in-transits;
 Includes 10 (x1000) tons of Canadian inbound in-transits.

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	1,726	1993	1,025	1996	485	1999	731
1991	1,698	1994	1,103	1997	778		
1992	1,334	1995	772	1998	680		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign Imports	Canadian Imports	Domestic				
				Total	Coastwise		Internal	
					Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total, all commodities	731	298	153	279	191	2	85	2
Total petroleum and petroleum products	282	93	—	189	175	2	10	2
Subtotal petroleum products	282	93	—	189	175	2	10	2
2330 distillate fuel oil	1	—	—	1	—	—	1	—
2340 residual fuel oil	11	—	—	11	—	—	9	2
2350 lube oil & greases	68	—	—	68	68	—	—	—
2430 asphalt, tar & pitch	109	—	—	109	108	2	—	—
2540 petroleum coke	93	93	—	—	—	—	—	—
Total chemicals and related products	36	—	20	16	16	—	—	—
Subtotal fertilizers	20	—	20	—	—	—	—	—
3130 potassic fert.	20	—	20	—	—	—	—	—
Subtotal other chemicals and related products	16	—	—	16	16	—	—	—
3274 sodium hydroxide	16	—	—	16	16	—	—	—
Total crude materials, inedible except fuels	347	141	133	73	—	—	73	—
Subtotal pulp and waste paper	72	—	—	72	—	—	72	—
4225 pulp & waste paper	72	—	—	72	—	—	72	—
Subtotal soil, sand, gravel, rock and stone	193	60	133	—	—	—	—	—
4323 gypsum	22	—	22	—	—	—	—	—
4331 sand & gravel	170	60	111	—	—	—	—	—
Subtotal sulphur, clay and salt	1	—	—	1	—	—	1	—
4782 clay & refrac. mat.	1	—	—	1	—	—	1	—
Subtotal other non-metal. min.	82	82	—	—	—	—	—	—
4900 non-metal. min. nec	82	82	—	—	—	—	—	—
Total primary manufactured goods	66	64	—	2	—	—	2	—
Subtotal paper products	0	—	—	0	—	—	0	—
5120 paper & paperboard	0	—	—	0	—	—	0	—
Subtotal lime, cement and glass	64	64	—	0	—	—	0	—
5220 cement & concrete	64	64	—	—	—	—	—	—
5290 misc. mineral prod.	0	—	—	0	—	—	0	—
Subtotal primary iron and steel products	0	—	—	0	—	—	0	—
5370 i&s pipe & tube	0	—	—	0	—	—	0	—
Subtotal primary wood products	1	—	—	1	—	—	1	—
5540 primary wood prod.	1	—	—	1	—	—	1	—
Total all manufactured equipment, machinery and products	0	—	—	0	0	—	0	—
7210 vehicles & parts	0	—	—	0	0	—	—	—
7400 manufac. wood prod.	0	—	—	0	—	—	0	—
Ton-miles (x1000)	731	298	153	280	191	2	85	2

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

731
731

PORT ROYAL HARBOR, SC

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1990	135	1993	89	1996	78	1999	381
1991	90	1994	44	1997	104		
1992	56	1995	1	1998	306		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports		Imports	Total	Internal
				Receipts			Shipments
Total, all commodities	381	306	11	46	18	14	4
Total petroleum and petroleum products	18	---	---	---	18	14	4
Subtotal petroleum products	18	---	---	---	18	14	4
2330 distillate fuel oil	2	---	---	---	2	1	1
2340 residual fuel oil	16	---	---	---	16	12	3
Total chemicals and related products	0	---	0	---	---	---	---
Subtotal other chemicals and related products	0	---	0	---	---	---	---
3230 carboxylic acids	0	---	0	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---
3260 organic comp. nec	0	---	0	---	---	---	---
3276 metallic salts	0	---	0	---	---	---	---
3286 plastics	0	---	0	---	---	---	---
3291 pesticides	0	---	0	---	---	---	---
3297 chemical additives	0	---	0	---	---	---	---
3299 chem. products nec	0	---	0	---	---	---	---
Total crude materials, inedible except fuels	121	65	10	46	---	---	---
Subtotal forest products, wood and chips	0	---	0	---	---	---	---
4189 lumber	0	---	0	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	70	24	---	46	---	---	---
4331 sand & gravel	70	24	---	46	---	---	---
Subtotal non-ferrous ores and scrap	0	---	0	---	---	---	---
4690 non-ferrous ores nec	0	---	0	---	---	---	---
Subtotal sulphur, clay and salt	46	41	5	---	---	---	---
4782 clay & refrac. mat.	46	41	5	---	---	---	---
Subtotal other non-metal. min.	5	---	5	---	---	---	---
4900 non-metal. min. nec	5	---	5	---	---	---	---
Total primary manufactured goods	241	241	0	---	---	---	---
Subtotal paper products	0	---	0	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---
Subtotal lime, cement and glass	241	241	---	---	---	---	---
5220 cement & concrete	241	241	---	---	---	---	---
Subtotal primary iron and steel products	0	---	0	---	---	---	---
5330 i&s plates & sheets	0	---	0	---	---	---	---
Total food and farm products	0	---	0	---	0	---	0
Subtotal fish	0	---	---	---	0	---	0
6136 shellfish	0	---	---	---	0	---	0
Subtotal vegetable products	0	---	0	---	---	---	---
6654 vegetables & prod.	0	---	0	---	---	---	---
Subtotal other agricultural products	0	---	0	---	---	---	---
6885 alcoholic beverages	0	---	0	---	---	---	---
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	---	---	---	---
7210 vehicles & parts	0	---	0	---	---	---	---
7500 textile products	1	0	0	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---
7900 manufac. prod. nec	0	0	---	---	---	---	---

Other Harbors and Waterways 1999

Harbor or Waterway Project	Commodity	Thousand Short Tons
ASHLEY RIVER, SC (INCLUDED IN CHARLESTON HARBOR, SC)	2211 gasoline	1
	2330 distillate fuel oil	43
	2340 residual fuel oil	17
	2350 lube oil & greases	0
	2540 petroleum coke	0
	3190 fert. & mixes nec	0
	3220 alcohols	0
	3230 carboxylic acids	0
	3240 nitrogen func. comp.	0
	3250 organo - inorg. comp.	0
	3260 organic comp. nec	0
	3275 inorg. elem.,oxides, & halogen salts	0
	3282 pigments & paints	0
	3284 medicines	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3291 pesticides	0
	3292 starches, gluten, glue	0
	3297 chemical additives	0
	3298 wood & resin chem.	0
	3299 chem. products nec	0
	4170 wood in the rough	0
	4189 lumber	0
	4225 pulp & waste paper	2
	4331 sand & gravel	2
	4630 copper ore	0
	4650 aluminum ore	0
	4690 non-ferrous ores nec	0
	4782 clay & refrac. mat.	3
	5120 paper & paperboard	1
	5190 paper products nec	7
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	10
	5360 i&s bars & shapes	2
	5370 i&s pipe & tube	0
	5390 primary i&s nec	0
	5422 aluminum	0
	5429 smelted prod. nec	0
	5480 fab. metal products	18
	5540 primary wood prod.	0
	6136 shellfish	8
	6747 grain mill products	0
	6782 animal feed, prep.	0
6839 animals & prod. nec	0	
6857 fruit & nuts nec	0	
6885 alcoholic beverages	0	
6893 cotton	0	
7110 machinery (not elec)	1	
7120 electrical machinery	1	
7210 vehicles & parts	11	
7230 ships & boats	0	
7500 textile products	1	
7600 rubber & plastic pr.	0	
7900 manufac. prod. nec	26	
9900 unknown or nec	0	
	Total Tons(x1000)	156
	Total Ton-miles(x1000)	369
GREAT PEE DEE RIVER, SC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
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	1
	Total Tons(x1000)	1
WACCAMAW RIVER, SC	No Commerce Reported	

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
1990	13,569	1993	14,963	1996	17,598	1999	18,156
1991	13,337	1994	15,905	1997	17,929		
1992	13,989	1995	17,380	1998	17,711		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	15,403	8,373	5,960	819	251
Total coal	519	518	1	---	---
1100 coal lignite	519	518	1	---	---
Total petroleum and petroleum products	2,085	1,992	14	78	2
Subtotal crude petroleum	1,093	1,091	---	---	2
2100 crude petroleum	1,093	1,091	---	---	2
Subtotal petroleum products	992	900	14	78	---
2211 gasoline	521	520	1	---	---
2221 kerosene	0	---	0	---	---
2330 distillate fuel oil	245	193	---	52	---
2340 residual fuel oil	32	31	1	---	---
2350 lube oil & greases	10	1	10	---	---
2410 petro. jelly & waxes	1	1	0	---	---
2429 naphtha & solvents	26	---	0	26	---
2430 asphalt, tar & pitch	1	0	1	---	---
2540 petroleum coke	155	153	1	---	---
2640 liquid natural gas	1	1	0	---	---
Total chemicals and related products	1,127	571	540	16	0
Subtotal fertilizers	55	19	37	0	---
3110 nitrogenous fert.	39	11	27	---	---
3120 phosphatic fert.	0	---	0	---	---
3130 potassic fert.	0	0	---	---	---
3190 fert. & mixes nec	17	7	9	0	---
Subtotal other chemicals and related products	1,072	552	503	16	0
3211 acyclic hydrocarbons	2	0	1	---	---
3212 benzene & toluene	0	0	0	---	---
3219 other hydrocarbons	15	13	2	---	---
3220 alcohols	63	59	4	---	---
3230 carboxylic acids	37	19	17	---	---
3240 nitrogen func. comp.	27	18	9	---	---
3250 organo - inorg. comp.	101	31	70	---	---
3260 organic comp. nec	21	14	7	---	---
3271 sulphur (liquid)	0	---	0	---	---
3272 sulphuric acid	59	59	---	---	---
3273 ammonia	66	65	0	---	---
3274 sodium hydroxide	55	38	1	16	---
3275 inorg. elem., oxides, & halogen salts	105	99	6	---	---
3276 metallic salts	30	14	16	---	---
3279 inorganic chem. nec	6	3	4	---	---
3281 radioactive material	4	3	1	---	---
3282 pigments & paints	26	9	17	---	0
3283 coloring mat. nec	9	5	3	---	---
3284 medicines	3	1	1	---	0
3285 perfumes & cleansers	29	11	18	---	0
3286 plastics	243	60	182	0	0
3291 pesticides	13	2	10	---	---
3292 starches, gluten, glue	31	12	19	---	---
3293 explosives	1	1	0	---	---
3297 chemical additives	16	2	14	---	---
3298 wood & resin chem.	73	7	66	---	0
3299 chem. products nec	40	7	33	---	---
Total crude materials, inedible except fuels	5,673	1,152	3,550	722	248
Subtotal forest products, wood and chips	588	235	353	0	---
4110 rubber & gums	31	31	0	---	---
4150 fuel wood	2	0	2	---	---
4161 wood chips	210	---	210	---	---
4170 wood in the rough	34	2	32	---	---
4189 lumber	307	199	108	0	---
4190 forest products nec	4	3	1	---	---
Subtotal pulp and waste paper	727	2	721	3	0
4225 pulp & waste paper	727	2	721	3	0
Subtotal soil, sand, gravel, rock and stone	1,224	375	199	650	---
4310 building stone	114	13	102	---	---
4322 limestone	536	360	0	176	---
4323 gypsum	372	2	0	369	---
4331 sand & gravel	201	0	97	104	---
Subtotal iron ore and scrap	9	1	8	---	---
4410 iron ore	0	0	---	---	---

SAVANNAH HARBOR, GA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
4420 iron & steel scrap	8	0	8	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—
Subtotal non-ferrous ores and scrap	111	93	18	—	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	80	77	3	—	—
4670 manganese ore	1	—	1	—	—
4680 non-ferrous scrap	10	3	7	—	—
4690 non-ferrous ores nec	19	13	6	—	—
Subtotal sulphur, clay and salt	2,504	7	2,249	—	248
4741 sulphur, (dry)	0	—	0	—	—
4782 clay & refrac. mat.	2,504	7	2,249	—	248
Subtotal slag	104	35	0	69	—
4860 slag	104	35	0	69	—
Subtotal other non-metal. min.	407	404	3	—	—
4900 non-metal. min. nec	407	404	3	—	—
Total primary manufactured goods	2,833	1,907	924	2	0
Subtotal paper products	878	51	826	—	—
5110 newsprint	12	0	12	—	—
5120 paper & paperboard	836	42	794	—	—
5190 paper products nec	29	10	20	—	—
Subtotal lime, cement and glass	616	586	30	—	0
5220 cement & concrete	316	316	0	—	—
5240 glass & glass prod.	45	30	14	—	0
5290 misc. mineral prod.	255	240	16	—	—
Subtotal primary iron and steel products	832	821	11	—	—
5312 pig iron	56	56	0	—	—
5315 ferro alloys	5	4	1	—	—
5320 i&s primary forms	1	0	0	—	—
5330 i&s plates & sheets	337	336	1	—	—
5360 i&s bars & shapes	314	313	1	—	—
5370 i&s pipe & tube	64	59	5	—	—
5390 primary i&s nec	55	53	2	—	—
Subtotal primary non-ferrous metal products	297	251	46	0	0
5421 copper	5	3	2	—	—
5422 aluminum	71	50	22	—	—
5429 smelted prod. nec	8	6	2	—	—
5480 fab. metal products	212	191	21	0	0
Subtotal primary wood products	212	198	12	2	—
5540 primary wood prod.	212	198	12	2	—
Total food and farm products	1,290	799	491	0	0
Subtotal fish	13	12	1	—	—
6134 fish (not shellfish)	10	10	1	—	—
6136 shellfish	2	2	0	—	—
Subtotal grain	5	3	3	—	—
6344 corn	1	0	1	—	—
6442 rice	4	2	2	—	—
Subtotal oilseeds	54	31	23	—	—
6521 peanuts	53	31	22	—	—
6522 soybeans	1	—	1	—	—
6590 oilseeds nec	1	0	0	—	—
Subtotal vegetable products	109	93	15	0	0
6653 vegetable oils	79	74	5	—	—
6654 vegetables & prod.	30	20	10	0	0
Subtotal processed grain and animal feed	51	11	40	—	—
6746 wheat flour	2	0	2	—	—
6747 grain mill products	14	9	5	—	—
6781 hay & fodder	1	—	1	—	—
6782 animal feed, prep.	35	2	33	—	—
Subtotal other agricultural products	1,057	650	408	0	0
6811 meat, fresh, frozen	216	17	198	0	—
6817 meat, prepared	8	4	4	—	—
6822 dairy products	3	2	1	—	0
6835 fish, prepared	6	6	1	0	—
6838 tallow, animal oils	1	0	1	0	—
6839 animals & prod. nec	12	5	7	—	—
6857 fruit & nuts nec	59	5	54	—	—
6858 fruit juices	84	33	51	—	—
6861 sugar	324	322	3	—	—
6865 molasses	0	0	0	—	—
6871 coffee	12	11	0	—	—
6872 cocoa beans	33	33	0	—	—
6885 alcoholic beverages	82	65	17	0	—
6888 water & ice	14	14	0	—	—
6889 food products nec	105	82	22	—	0
6891 tobacco & products	26	13	13	—	—
6893 cotton	68	34	34	—	—
6894 natural fibers nec	3	2	0	—	—
6899 farm products nec	3	1	1	—	—
Total all manufactured equipment, machinery and products	1,838	1,420	417	1	0
7110 machinery (not elec)	485	382	103	0	0
7120 electrical machinery	178	122	56	—	0
7210 vehicles & parts	93	51	42	—	—

SAVANNAH HARBOR, GA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
7220 aircraft & parts	1	1	0	—	—
7230 ships & boats	3	1	2	0	—
7300 ordnance & access.	5	2	3	—	—
7400 manufac. wood prod.	34	30	3	0	—
7500 textile products	412	276	136	—	—
7600 rubber & plastic pr.	201	169	32	0	—
7900 manufac. prod. nec	425	386	39	0	—
Total unknown or not elsewhere classified	37	14	23	0	0
9900 unknown or nec	37	14	23	0	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intransport
Total, all commodities	2,754	1,653	696	14	147	243
Total petroleum and petroleum products	1,824	885	552	8	136	243
Subtotal petroleum products	1,824	885	552	8	136	243
2211 gasoline	451	444	5	2	—	—
2330 distillate fuel oil	647	347	172	4	66	58
2340 residual fuel oil	339	54	31	2	69	182
2350 lube oil & greases	41	41	—	—	—	—
2429 naphtha & solvents	20	—	20	—	—	—
2430 asphalt, tar & pitch	326	—	323	—	—	2
2540 petroleum coke	0	—	—	0	—	—
Total chemicals and related products	415	401	14	—	—	—
Subtotal other chemicals and related products	415	401	14	—	—	—
3219 other hydrocarbons	171	157	14	—	—	—
3271 sulphur (liquid)	32	32	—	—	—	—
3274 sodium hydroxide	204	204	—	—	—	—
3299 chem. products nec	7	7	—	—	—	—
Total crude materials, inedible except fuels	2	—	—	1	1	—
Subtotal pulp and waste paper	1	—	—	1	—	—
4225 pulp & waste paper	1	—	—	1	—	—
Subtotal sulphur, clay and salt	1	—	—	—	1	—
4782 clay & refrac. mat.	1	—	—	—	1	—
Total primary manufactured goods	83	71	0	1	10	—
Subtotal paper products	0	—	—	—	0	—
5120 paper & paperboard	0	—	—	—	0	—
Subtotal lime, cement and glass	50	41	—	—	10	—
5220 cement & concrete	41	41	—	—	—	—
5290 misc. mineral prod.	10	—	—	—	10	—
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	31	31	0	0	0	—
5480 fab. metal products	31	31	0	0	0	—
Total food and farm products	288	288	—	—	—	—
Subtotal other agricultural products	288	288	—	—	—	—
6861 sugar	280	280	—	—	—	—
6865 molasses	8	8	—	—	—	—
Total all manufactured equipment, machinery and products	142	8	130	4	—	—
7110 machinery (not elec)	1	—	—	1	—	—
7900 manufac. prod. nec	142	8	130	3	—	—

*Includes 91 (x1000) tons of foreign inbound in-transits; Includes 68 (x1000) tons of foreign outbound in-transits;
Includes 29 (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
1990	664	1993	682	1996	447	1999	431
1991	531	1994	566	1997	382		
1992	404	1995	510	1998	392		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic					
		Coastwise		Inbound	Internal		Intra
		Through			Upbound	Downbnd	
		Upbound	Downbnd	Upbound			Downbnd
Total, all commodities	430	25	25	1	297	82	1
Total petroleum and petroleum products	347	---	---	---	277	69	---
Subtotal petroleum products	347	---	---	---	277	69	---
2211 gasoline	21	---	---	---	21	---	---
2330 distillate fuel oil	70	---	---	---	47	23	---
2340 residual fuel oil	255	---	---	---	209	46	---
2540 petroleum coke	0	---	---	---	---	0	---
Total crude materials, inedible except fuels	3	---	---	---	1	1	---
Subtotal pulp and waste paper	1	---	---	---	---	1	---
4225 pulp & waste paper	1	---	---	---	---	1	---
Subtotal sulphur, clay and salt	1	---	---	---	1	---	---
4782 clay & refrac. mat.	1	---	---	---	1	---	---
Total primary manufactured goods	38	12	3	---	18	5	---
Subtotal paper products	7	---	---	---	7	---	---
5120 paper & paperboard	0	---	---	---	0	---	---
5190 paper products nec	7	---	---	---	7	---	---
Subtotal lime, cement and glass	11	---	---	---	11	---	---
5290 misc. mineral prod.	11	---	---	---	11	---	---
Subtotal primary iron and steel products	3	---	0	---	---	2	---
5360 i&s bars & shapes	2	---	---	---	---	2	---
5370 i&s pipe & tube	0	---	0	---	---	---	---
5390 primary i&s nec	0	---	---	---	---	0	---
Subtotal primary non-ferrous metal products	18	12	3	---	1	3	---
5480 fab. metal products	18	12	3	---	1	3	---
Total food and farm products	4	---	---	1	---	2	1
Subtotal fish	4	---	---	1	---	2	1
6134 fish (not shellfish)	0	---	---	0	---	0	0
6136 shellfish	4	---	---	1	---	2	1
Total all manufactured equipment, machinery and products	39	13	22	---	0	4	---
7110 machinery (not elec)	1	---	---	---	0	1	---
7120 electrical machinery	0	---	0	---	---	---	---
7210 vehicles & parts	11	0	11	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---
7500 textile products	1	---	1	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---
7900 manufac. prod. nec	26	13	10	---	---	3	---
Ton-miles (x1000)	28,765	3,920	4,029	9	12,892	7,914	1
Tons All Traffic (x1000)		431					
Ton-miles All Traffic (x1000)		28,770					

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
1990	1,978	1993	1,593	1996	2,063	1999	2,371
1991	1,719	1994	1,626	1997	2,698		
1992	1,450	1995	2,002	1998	2,615		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports*	Imports	Exports	Total	Internal		Intra Upbound
							Inbound Upbound	Outbound Downbnd	
Total, all commodities	2,370	986	671	441	10	262	254	7	1
Total petroleum and petroleum products	252	---	---	---	---	252	251	---	1
Subtotal petroleum products	252	---	---	---	---	252	251	---	1
2330 distillate fuel oil	24	---	---	---	---	24	23	---	1
2340 residual fuel oil	228	---	---	---	---	228	228	---	0
Total chemicals and related products	67	42	18	8	---	---	---	---	---
Subtotal fertilizers	40	32	0	8	---	---	---	---	---
3110 nitrogenous fert.	30	30	---	---	---	---	---	---	---
3130 potassic fert.	8	---	---	8	---	---	---	---	---
3190 fert. & mixes nec	2	2	0	---	---	---	---	---	---
Subtotal other chemicals and related products	27	9	18	---	---	---	---	---	---
3230 carboxylic acids	0	0	0	---	---	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---	---	---
3250 organo - inorg. comp.	0	0	0	---	---	---	---	---	---
3260 organic comp. nec	0	0	0	---	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	0	0	---	---	---	---	---	---
3276 metallic salts	22	7	14	---	---	---	---	---	---
3279 inorganic chem. nec	1	---	1	---	---	---	---	---	---
3282 pigments & paints	0	---	0	---	---	---	---	---	---
3284 medicines	0	---	0	---	---	---	---	---	---
3285 perfumes & cleansers	0	0	0	---	---	---	---	---	---
3286 plastics	3	1	2	---	---	---	---	---	---
3291 pesticides	0	---	0	---	---	---	---	---	---
3292 starches, gluten, glue	0	0	---	---	---	---	---	---	---
3297 chemical additives	0	---	0	---	---	---	---	---	---
3298 wood & resin chem.	0	---	0	---	---	---	---	---	---
3299 chem. products nec	1	---	1	---	---	---	---	---	---
Total crude materials, inedible except fuels	1,321	502	375	434	10	---	---	---	---
Subtotal forest products, wood and chips	5	5	0	---	---	---	---	---	---
4150 fuel wood	4	4	---	---	---	---	---	---	---
4189 lumber	1	0	0	---	---	---	---	---	---

BRUNSWICK HARBOR, GA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports*	Imports	Exports	Total	Internal		
							Upbound	Downbnd	Intra Upbound
4190 forest products nec	0	—	0	—	—	—	—	—	—
Subtotal pulp and waste paper	352	—	352	—	—	—	—	—	—
4225 pulp & waste paper	352	—	352	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	653	219	0	434	—	—	—	—	—
4322 limestone	205	205	—	—	—	—	—	—	—
4323 gypsum	448	14	—	434	—	—	—	—	—
4331 sand & gravel	0	—	0	—	—	—	—	—	—
Subtotal non-ferrous ores and scrap	22	1	21	—	—	—	—	—	—
4680 non-ferrous scrap	1	1	—	—	—	—	—	—	—
4690 non-ferrous ores nec	21	—	21	—	—	—	—	—	—
Subtotal sulphur, clay and salt	13	—	2	—	10	—	—	—	—
4782 clay & refrac. mat.	13	—	2	—	10	—	—	—	—
Subtotal other non-metal. min.	277	277	—	—	—	—	—	—	—
4900 non-metal. min. nec	277	277	—	—	—	—	—	—	—
Total primary manufactured goods	210	134	67	—	—	9	2	7	—
Subtotal paper products	72	0	65	—	—	7	—	7	—
5110 newsprint	4	—	4	—	—	—	—	—	—
5120 paper & paperboard	61	—	61	—	—	—	—	—	—
5190 paper products nec	7	0	0	—	—	7	—	7	—
Subtotal lime, cement and glass	115	113	1	—	—	1	1	—	—
5220 cement & concrete	85	85	—	—	—	—	—	—	—
5240 glass & glass prod.	2	1	1	—	—	—	—	—	—
5290 misc. mineral prod.	29	28	—	—	—	1	1	—	—
Subtotal primary iron and steel products	3	3	—	—	—	—	—	—	—
5330 i&s plates & sheets	3	3	—	—	—	—	—	—	—
5360 i&s bars & shapes	0	0	—	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	2	0	1	—	—	1	1	—	—
5422 aluminum	0	0	0	—	—	—	—	—	—
5429 smelted prod. nec	0	0	—	—	—	—	—	—	—
5480 fab. metal products	2	0	1	—	—	1	1	—	—
Subtotal primary wood products	18	18	0	—	—	—	—	—	—
5540 primary wood prod.	18	18	0	—	—	—	—	—	—
Total food and farm products	184	59	125	—	—	0	0	—	—
Subtotal fish	1	0	0	—	—	0	0	—	—
6134 fish (not shellfish)	0	—	0	—	—	0	0	—	—
6136 shellfish	1	0	—	—	—	0	0	—	—
Subtotal grain	84	57	27	—	—	—	—	—	—
6241 wheat	21	—	21	—	—	—	—	—	—
6344 corn	6	—	6	—	—	—	—	—	—
6445 oats	57	57	—	—	—	—	—	—	—
Subtotal oilseeds	4	—	4	—	—	—	—	—	—
6522 soybeans	4	—	4	—	—	—	—	—	—

BRUNSWICK HARBOR, GA
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports*	Imports	Exports	Total	Internal		
							Inbound Upbound	Outbound Downbnd	Intra Upbound
Subtotal vegetable products	0	0	0	---	---	---	---	---	---
6654 vegetables & prod.	0	0	0	---	---	---	---	---	---
Subtotal processed grain and animal feed	93	0	93	---	---	---	---	---	---
6747 grain mill products	35	0	35	---	---	---	---	---	---
6782 animal feed, prep.	58	---	58	---	---	---	---	---	---
Subtotal other agricultural products	2	1	1	---	---	---	---	---	---
6811 meat, fresh, frozen	0	0	0	---	---	---	---	---	---
6822 dairy products	0	0	0	---	---	---	---	---	---
6839 animals & prod. nec	1	1	0	---	---	---	---	---	---
6856 bananas & plantains	0	0	---	---	---	---	---	---	---
6857 fruit & nuts nec	0	0	0	---	---	---	---	---	---
6858 fruit juices	0	0	0	---	---	---	---	---	---
6861 sugar	0	0	---	---	---	---	---	---	---
6871 coffee	0	0	---	---	---	---	---	---	---
6885 alcoholic beverages	0	0	0	---	---	---	---	---	---
6889 food products nec	0	0	0	---	---	---	---	---	---
6893 cotton	0	---	0	---	---	---	---	---	---
6894 natural fibers nec	0	0	---	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	335	248	86	---	0	---	---	---	---
7110 machinery (not elec)	32	29	3	---	---	---	---	---	---
7120 electrical machinery	0	0	0	---	---	---	---	---	---
7210 vehicles & parts	296	219	78	---	0	---	---	---	---
7220 aircraft & parts	0	0	0	---	---	---	---	---	---
7230 ships & boats	2	---	2	---	---	---	---	---	---
7300 ordnance & access.	0	---	0	---	---	---	---	---	---
7400 manufac. wood prod.	0	0	0	---	---	---	---	---	---
7500 textile products	1	1	1	---	---	---	---	---	---
7600 rubber & plastic pr.	0	0	0	---	---	---	---	---	---
7900 manufac. prod. nec	2	0	2	---	---	---	---	---	---
Total unknown or not elsewhere classified	1	0	0	---	---	---	---	---	---
9900 unknown or nec	1	0	0	---	---	---	---	---	---
Ton-miles (x1000)	9,894	3,944	2,684	1,765	42	1,460	1,426	27	6
Tons All Traffic (x1000)									
Ton-miles All Traffic (x1000)				2,371					
				9,895					

*Includes 1 (x1000) tons of foreign inbound in-transits; Includes 5 (x1000) tons of foreign outbound in-transits.

Other Harbors and Waterways 1999

Harbor or Waterway Project	Commodity	Thousand Short Tons
ALTAMAHA RIVER, GA	6134 fish (not shellfish)	0
	6136 shellfish	0
	7110 machinery (not elec)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	19
DARIEN HARBOR, GA	No Commerce Reported	
SATILLA RIVER, GA	No Commerce Reported	
SAVANNAH RIVER BELOW AUGUSTA, GA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	17
ST. MARYS RIVER, GA AND FL	2340 residual fuel oil	110
	6136 shellfish	0
	Total Tons(x1000)	110
	Total Ton-miles(x1000)	551

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
1990	531	1993	520	1996	648	1999	644
1991	367	1994	588	1997	533		
1992	379	1995	599	1998	572		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic
		Imports*	Exports*	Internal Receipts
Total, all commodities	644	102	400	142
Total coal	0	---	0	---
1100 coal lignite	0	---	0	---
1200 coal coke	0	---	0	---
Total petroleum and petroleum products	81	---	0	81
Subtotal petroleum products	81	---	0	81
2340 residual fuel oil	81	---	---	81
2350 lube oil & greases	0	---	0	---
2430 asphalt, tar & pitch	0	---	0	---
2540 petroleum coke	0	---	0	---
Total chemicals and related products	93	1	34	58
Subtotal fertilizers	0	---	0	---
3110 nitrogenous fert.	0	---	0	---
3190 fert. & mixes nec	0	---	0	---
Subtotal other chemicals and related products	93	1	34	58
3211 acyclic hydrocarbons	18	---	18	---
3219 other hydrocarbons	0	---	0	---
3220 alcohols	0	---	0	---
3230 carboxylic acids	0	---	0	---
3240 nitrogen func. comp.	0	---	0	---
3250 organo - inorg. comp.	0	---	0	---
3260 organic comp. nec	0	---	0	---
3272 sulphuric acid	0	---	0	---
3274 sodium hydroxide	58	---	0	58
3275 inorg. elem., oxides, & halogen salts	1	0	0	---
3276 metallic salts	1	0	1	---
3279 inorganic chem. nec	0	---	0	---
3282 pigments & paints	1	---	1	---
3283 coloring mat. nec	0	0	0	---
3284 medicines	0	---	0	---
3285 perfumes & cleansers	1	0	1	---
3286 plastics	10	0	10	---
3291 pesticides	0	0	0	---
3292 starches, gluten, glue	1	---	1	---
3293 explosives	0	---	0	---
3297 chemical additives	0	---	0	---
3298 wood & resin chem.	0	---	0	---
3299 chem. products nec	1	0	1	---
Total crude materials, inedible except fuels	58	3	55	---
Subtotal forest products, wood and chips	18	1	17	---
4110 rubber & gums	0	---	0	---
4150 fuel wood	0	---	0	---
4161 wood chips	1	---	1	---
4170 wood in the rough	11	0	11	---
4189 lumber	5	1	5	---
4190 forest products nec	0	---	0	---
Subtotal pulp and waste paper	35	---	35	---
4225 pulp & waste paper	35	---	35	---
Subtotal soil, sand, gravel, rock and stone	0	0	0	---
4310 building stone	0	---	0	---
4323 gypsum	0	---	0	---
4331 sand & gravel	0	0	0	---
Subtotal marine shells	0	---	0	---
4515 marine shells	0	---	0	---
Subtotal non-ferrous ores and scrap	2	2	---	---
4680 non-ferrous scrap	2	2	---	---
Subtotal sulphur, clay and salt	2	---	2	---
4741 sulphur, (dry)	1	---	1	---
4782 clay & refrac. mat.	1	---	1	---
Subtotal other non-metal. min.	1	---	1	---
4900 non-metal. min. nec	1	---	1	---
Total primary manufactured goods	296	38	258	---
Subtotal paper products	248	2	246	---
5110 newsprint	2	---	2	---
5120 paper & paperboard	239	2	238	---
5190 paper products nec	6	0	6	---

FERNANDINA HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic
		Imports*	Exports*	Internal Receipts
Subtotal lime, cement and glass	36	33	3	---
5240 glass & glass prod.	33	32	0	---
5290 misc. mineral prod.	3	0	3	---
Subtotal primary iron and steel products	5	2	3	---
5312 pig iron	0	---	0	---
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	1	---	1	---
5390 primary i&s nec	2	2	---	---
Subtotal primary non-ferrous metal products	4	0	4	---
5421 copper	0	---	0	---
5422 aluminum	0	---	0	---
5429 smelted prod. nec	0	---	0	---
5480 fab. metal products	3	0	3	---
Subtotal primary wood products	4	1	3	---
5540 primary wood prod.	4	1	3	---
Total food and farm products	32	4	25	3
Subtotal fish	4	0	0	3
6134 fish (not shellfish)	0	0	0	0
6136 shellfish	3	0	0	3
Subtotal grain	0	---	0	---
6241 wheat	0	---	0	---
6344 corn	0	---	0	---
6442 rice	0	---	0	---
6447 sorghum grains	0	---	0	---
Subtotal oilseeds	1	---	1	---
6521 peanuts	1	---	1	---
Subtotal vegetable products	2	0	2	---
6653 vegetable oils	1	---	1	---
6654 vegetables & prod.	1	0	1	---
Subtotal processed grain and animal feed	6	0	6	---
6746 wheat flour	1	---	1	---
6747 grain mill products	1	0	1	---
6781 hay & fodder	1	---	1	---
6782 animal feed, prep.	3	---	3	---
Subtotal other agricultural products	19	4	15	---
6811 meat, fresh, frozen	3	---	3	---
6817 meat, prepared	1	---	1	---
6822 dairy products	0	---	0	---
6835 fish, prepared	0	---	0	---
6838 tallow, animal oils	3	---	3	---
6839 animals & prod. nec	0	---	0	---
6856 bananas & plantains	3	3	---	---
6857 fruit & nuts nec	0	0	0	---
6858 fruit juices	1	0	1	---
6871 coffee	0	0	0	---
6872 cocoa beans	0	---	0	---
6885 alcoholic beverages	1	0	1	---
6888 water & ice	0	---	0	---
6889 food products nec	5	0	5	---
6899 farm products nec	0	---	0	---
Total all manufactured equipment, machinery and products	82	56	25	---
7110 machinery (not elec)	4	0	3	---
7120 electrical machinery	3	0	3	---
7210 vehicles & parts	56	53	3	---
7230 ships & boats	0	0	0	---
7400 manufac. wood prod.	3	---	3	---
7500 textile products	9	0	9	---
7600 rubber & plastic pr.	5	3	2	---
7900 manufac. prod. nec	2	0	2	---
Total unknown or not elsewhere classified	2	0	2	---
9900 unknown or nec	2	0	2	---

*Includes 0 (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
1990	461	1993	532	1996	530	1999	521
1991	351	1994	602	1997	468		
1992	359	1995	492	1998	484		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Domestic					
		Coastwise		Internal			
		Through		Inbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	521	29	25	140	2	321	3
Total petroleum and petroleum products	405	5	---	81	---	319	---
Subtotal petroleum products	405	5	---	81	---	319	---
2211 gasoline	21	---	---	---	---	21	---
2330 distillate fuel oil	4	---	---	---	---	4	---
2340 residual fuel oil	380	5	---	81	---	294	---
Total chemicals and related products	58	---	---	58	---	---	---
Subtotal other chemicals and related products	58	---	---	58	---	---	---
3274 sodium hydroxide	58	---	---	58	---	---	---
Total crude materials, inedible except fuels	0	---	---	---	---	---	0
Subtotal pulp and waste paper	0	---	---	---	---	---	0
4225 pulp & waste paper	0	---	---	---	---	---	0
Total primary manufactured goods	19	12	3	---	---	2	3
Subtotal lime, cement and glass	1	---	---	---	---	1	---
5290 misc. mineral prod.	1	---	---	---	---	1	---
Subtotal primary iron and steel products	2	---	0	---	---	---	2
5360 i&s bars & shapes	2	---	---	---	---	---	2
5370 i&s pipe & tube	0	---	0	---	---	---	---
Subtotal primary non-ferrous metal products	16	12	3	---	---	0	1
5480 fab. metal products	16	12	3	---	---	0	1
Total food and farm products	3	---	---	1	2	---	---
Subtotal fish	3	---	---	1	2	---	---
6134 fish (not shellfish)	0	---	---	0	0	---	---
6136 shellfish	3	---	---	1	2	---	---
Total all manufactured equipment, machinery and products	35	13	22	---	---	---	---
7120 electrical machinery	0	---	0	---	---	---	---
7210 vehicles & parts	11	0	11	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---
7500 textile products	1	---	1	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---
7900 manufac. prod. nec	23	13	10	---	---	---	---
Ton-miles (x1000)	13,091	766	655	3,239	7	8,334	89
Tons All Traffic (x1000)	521						
Ton-miles All Traffic (x1000)	13,091						

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
1990	15,120	1993	18,850	1996	16,737	1999	19,257
1991	16,364	1994	18,914	1997	18,186		
1992	17,209	1995	15,693	1998	21,190		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
Total, all commodities	9,191	7,181	911	1,099
Total coal	1,361	1,361	—	—
1100 coal lignite	1,361	1,361	—	—
Total petroleum and petroleum products	3,365	3,260	10	96
Subtotal petroleum products	3,365	3,260	10	96
2211 gasoline	879	879	0	—
2221 kerosene	6	6	—	—
2330 distillate fuel oil	1,068	973	0	96
2340 residual fuel oil	1,394	1,393	1	—
2350 lube oil & greases	8	—	8	—
2410 petro. jelly & waxes	0	—	0	—
2429 naphtha & solvents	0	—	0	—
2430 asphalt, tar & pitch	0	—	0	—
2540 petroleum coke	9	9	0	—
2640 liquid natural gas	0	—	0	—
Total chemicals and related products	304	79	218	7
Subtotal fertilizers	6	0	6	—
3110 nitrogenous fert.	6	—	6	—
3130 potassic fert.	0	0	0	—
3190 fert. & mixes nec	0	0	0	—
Subtotal other chemicals and related products	298	79	212	7
3211 acyclic hydrocarbons	1	—	1	—
3212 benzene & toluene	0	—	0	—
3219 other hydrocarbons	2	0	1	—
3220 alcohols	6	0	6	—
3230 carboxylic acids	24	2	22	—
3240 nitrogen func. comp.	5	1	4	—
3250 organo - inorg. comp.	7	4	3	—
3260 organic comp. nec	4	1	4	—
3272 sulphuric acid	0	—	0	—
3273 ammonia	1	1	0	—
3274 sodium hydroxide	27	18	2	7
3275 inorg. elem., oxides, & halogen salts	38	5	33	—
3276 metallic salts	34	3	31	—
3279 inorganic chem. nec	2	2	1	—
3281 radioactive material	0	0	—	—
3282 pigments & paints	9	1	8	—
3283 coloring mat. nec	1	0	1	—
3284 medicines	11	1	10	—
3285 perfumes & cleansers	29	15	14	—
3286 plastics	61	15	46	—
3291 pesticides	10	6	4	—
3292 starches, gluten, glue	8	1	7	—
3293 explosives	0	—	0	—
3297 chemical additives	2	0	2	—
3298 wood & resin chem.	4	2	2	—
3299 chem. products nec	12	2	10	—
Total crude materials, inedible except fuels	1,913	803	113	997
Subtotal forest products, wood and chips	47	11	36	—
4110 rubber & gums	0	—	0	—
4150 fuel wood	1	—	1	—
4170 wood in the rough	2	0	2	—
4189 lumber	43	11	33	—
4190 forest products nec	0	0	0	—
Subtotal pulp and waste paper	296	248	48	—
4225 pulp & waste paper	296	248	48	—
Subtotal soil, sand, gravel, rock and stone	1,509	495	17	997
4310 building stone	0	0	—	—
4322 limestone	616	494	—	122
4323 gypsum	482	—	0	482
4327 phosphate rock	16	—	16	—
4331 sand & gravel	393	1	0	392
Subtotal iron ore and scrap	2	0	2	—
4410 iron ore	0	0	—	—
4420 iron & steel scrap	2	—	2	—
Subtotal non-ferrous ores and scrap	7	5	2	—
4650 aluminum ore	1	0	1	—

JACKSONVILLE HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
4670 manganese ore	0	0	—	—
4680 non-ferrous scrap	5	4	1	—
4690 non-ferrous ores nec	0	0	0	—
Subtotal sulphur, clay and salt	7	0	7	—
4741 sulphur, (dry)	1	—	1	—
4782 clay & refrac. mat.	7	0	6	—
Subtotal other non-metal. min.	45	44	1	—
4900 non-metal. min. nec	45	44	1	—
Total primary manufactured goods	912	801	111	—
Subtotal paper products	60	16	44	—
5110 newsprint	7	—	7	—
5120 paper & paperboard	42	13	30	—
5190 paper products nec	11	3	7	—
Subtotal lime, cement and glass	570	552	18	—
5210 lime	0	—	0	—
5220 cement & concrete	490	490	0	—
5240 glass & glass prod.	27	22	4	—
5290 misc. mineral prod.	53	39	14	—
Subtotal primary iron and steel products	171	169	2	—
5312 pig iron	0	0	—	—
5315 ferro alloys	8	8	—	—
5320 i&s primary forms	1	0	0	—
5330 i&s plates & sheets	5	5	0	—
5360 i&s bars & shapes	148	148	0	—
5370 i&s pipe & tube	3	2	1	—
5390 primary i&s nec	6	6	0	—
Subtotal primary non-ferrous metal products	80	42	38	—
5421 copper	1	1	0	—
5422 aluminum	57	26	31	—
5429 smelted prod. nec	0	0	0	—
5480 fab. metal products	22	15	6	—
Subtotal primary wood products	30	22	9	—
5540 primary wood prod.	30	22	9	—
Total food and farm products	409	173	236	0
Subtotal fish	7	6	1	—
6134 fish (not shellfish)	3	3	0	—
6136 shellfish	4	3	1	—
Subtotal grain	12	4	8	—
6241 wheat	0	—	0	—
6344 corn	5	4	0	—
6442 rice	7	0	7	—
6445 oats	0	0	—	—
6447 sorghum grains	0	—	0	—
Subtotal oilseeds	9	0	8	—
6521 peanuts	8	0	8	—
6522 soybeans	0	0	—	—
6590 oilseeds nec	0	0	0	—
Subtotal vegetable products	41	14	28	—
6653 vegetable oils	10	5	5	—
6654 vegetables & prod.	31	9	22	—
Subtotal processed grain and animal feed	43	6	38	—
6746 wheat flour	0	—	0	—
6747 grain mill products	15	5	9	—
6781 hay & fodder	1	—	1	—
6782 animal feed, prep.	28	0	28	—
Subtotal other agricultural products	297	143	154	0
6811 meat, fresh, frozen	94	4	90	—
6817 meat, prepared	8	6	2	—
6822 dairy products	2	0	2	—
6835 fish, prepared	1	1	0	—
6838 tallow, animal oils	1	0	1	—
6839 animals & prod. nec	1	1	0	—
6856 bananas & plantains	0	0	—	—
6857 fruit & nuts nec	16	1	15	—
6858 fruit juices	23	13	10	0
6861 sugar	7	7	1	—
6865 molasses	0	0	—	—
6871 coffee	63	63	0	—
6872 cocoa beans	1	0	0	—
6885 alcoholic beverages	42	37	5	—
6888 water & ice	1	1	0	—
6889 food products nec	27	7	20	—
6891 tobacco & products	2	2	1	—
6893 cotton	3	0	3	—
6894 natural fibers nec	0	0	0	—
6899 farm products nec	4	0	4	—
Total all manufactured equipment, machinery and products	914	699	215	0
7110 machinery (not elec)	64	33	31	0
7120 electrical machinery	24	11	13	0
7210 vehicles & parts	691	585	106	—
7220 aircraft & parts	0	0	0	—
7230 ships & boats	3	0	3	—
7300 ordnance & access.	0	0	0	—

JACKSONVILLE HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
7400 manufac. wood prod.	16	4	12	—
7500 textile products	40	15	26	—
7600 rubber & plastic pr.	40	29	11	0
7900 manufac. prod. nec	35	22	13	0
Total unknown or not elsewhere classified	13	6	7	0
9900 unknown or nec	13	6	7	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	10,067	5,521	2,384	7	1,284	870
Total coal	0	—	0	—	—	—
1200 coal coke	0	—	0	—	—	—
Total petroleum and petroleum products	6,515	4,419	28	2	1,207	859
Subtotal petroleum products	6,515	4,419	28	2	1,207	859
2211 gasoline	2,498	2,470	8	—	20	—
2221 kerosene	21	21	0	—	—	—
2330 distillate fuel oil	896	890	1	—	6	—
2340 residual fuel oil	2,672	623	7	2	1,181	859
2350 lube oil & greases	8	0	8	—	—	—
2410 petro. jelly & waxes	1	0	0	—	—	—
2429 naphtha & solvents	1	0	1	—	—	—
2430 asphalt, tar & pitch	203	203	0	—	—	—
2540 petroleum coke	212	212	0	—	—	—
2640 liquid natural gas	3	0	3	—	—	—
2990 petro. products nec	0	0	0	—	—	—
Total chemicals and related products	587	330	199	—	58	—
Subtotal fertilizers	2	0	2	—	—	—
3110 nitrogenous fert.	1	0	0	—	—	—
3130 potassic fert.	0	—	0	—	—	—
3190 fert. & mixes nec	1	0	1	—	—	—
Subtotal other chemicals and related products	586	330	197	—	58	—
3211 acyclic hydrocarbons	0	—	0	—	—	—
3212 benzene & toluene	0	—	0	—	—	—
3219 other hydrocarbons	3	2	1	—	—	—
3220 alcohols	3	0	3	—	—	—
3230 carboxylic acids	6	0	6	—	—	—
3240 nitrogen func. comp.	1	0	1	—	—	—
3250 organo - inorg. comp.	0	0	0	—	—	—
3260 organic comp. nec	7	0	7	—	—	—
3272 sulphuric acid	0	—	0	—	—	—
3273 ammonia	0	—	0	—	—	—
3274 sodium hydroxide	266	207	0	—	58	—
3275 inorg. elem.,oxides, & halogen salts	21	4	17	—	—	—
3276 metallic salts	3	0	3	—	—	—
3279 inorganic chem. nec	1	—	1	—	—	—
3281 radioactive material	0	—	0	—	—	—
3282 pigments & paints	21	0	21	—	—	—
3283 coloring mat. nec	1	—	1	—	—	—
3284 medicines	62	30	32	—	—	—
3285 perfumes & cleansers	60	13	47	—	—	—
3286 plastics	20	1	20	—	—	—
3291 pesticides	6	3	4	—	—	—
3292 starches, gluten, glue	8	1	7	—	—	—
3293 explosives	0	0	0	—	0	—
3297 chemical additives	0	—	0	—	—	—
3298 wood & resin chem.	37	33	4	—	—	—
3299 chem. products nec	55	36	19	—	—	—
Total crude materials, inedible except fuels	69	18	51	0	—	—
Subtotal forest products, wood and chips	31	3	28	—	—	—
4110 rubber & gums	3	1	1	—	—	—
4150 fuel wood	8	—	8	—	—	—
4161 wood chips	0	—	0	—	—	—
4170 wood in the rough	2	0	2	—	—	—
4189 lumber	16	2	14	—	—	—
4190 forest products nec	3	0	3	—	—	—
Subtotal pulp and waste paper	10	9	1	0	—	—
4225 pulp & waste paper	10	9	1	0	—	—
Subtotal soil, sand, gravel, rock and stone	10	—	10	—	—	—
4310 building stone	0	—	0	—	—	—
4322 limestone	1	—	1	—	—	—
4323 gypsum	1	—	1	—	—	—
4327 phosphate rock	0	—	0	—	—	—
4331 sand & gravel	9	—	9	—	—	—
4338 soil & fill dirt	0	—	0	—	—	—

JACKSONVILLE HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal iron ore and scrap	5	4	1	---	---	---
4410 iron ore	0	---	0	---	---	---
4420 iron & steel scrap	5	4	1	---	---	---
Subtotal marine shells	0	---	0	---	---	---
4515 marine shells	0	---	0	---	---	---
Subtotal non-ferrous ores and scrap	2	1	1	---	---	---
4630 copper ore	0	0	0	---	---	---
4650 aluminum ore	1	---	1	---	---	---
4680 non-ferrous scrap	1	1	0	---	---	---
Subtotal sulphur, clay and salt	5	0	5	---	---	---
4782 clay & refrac. mat.	5	0	5	---	---	---
Subtotal other non-metal. min.	6	---	6	---	---	---
4900 non-metal. min. nec	6	---	6	---	---	---
Total primary manufactured goods	531	179	323	2	18	9
Subtotal paper products	143	6	137	---	---	---
5110 newsprint	3	1	2	---	---	---
5120 paper & paperboard	93	2	90	---	---	---
5190 paper products nec	48	3	45	---	---	---
Subtotal lime, cement and glass	199	123	60	---	16	---
5220 cement & concrete	130	120	9	---	---	---
5240 glass & glass prod.	16	1	14	---	---	---
5290 misc. mineral prod.	54	2	36	---	16	---
Subtotal primary iron and steel products	19	2	15	2	1	---
5312 pig iron	0	---	0	---	---	---
5320 i&s primary forms	0	---	0	---	---	---
5330 i&s plates & sheets	1	0	0	---	---	---
5360 i&s bars & shapes	7	1	4	2	1	---
5370 i&s pipe & tube	9	---	9	---	0	---
5390 primary i&s nec	2	0	2	---	---	---
Subtotal primary non-ferrous metal products	159	48	101	---	1	9
5421 copper	1	0	1	---	---	---
5422 aluminum	9	0	9	---	---	---
5429 smelted prod. nec	2	---	2	---	---	---
5480 fab. metal products	147	48	89	---	1	9
Subtotal primary wood products	10	---	10	---	---	---
5540 primary wood prod.	10	---	10	---	---	---
Total food and farm products	883	126	754	3	---	---
Subtotal fish	5	2	0	3	---	---
6134 fish (not shellfish)	3	2	0	1	---	---
6136 shellfish	2	0	0	2	---	---
Subtotal grain	19	0	19	---	---	---
6344 corn	0	---	0	---	---	---
6442 rice	18	0	18	---	---	---
6445 oats	0	---	0	---	---	---
6447 sorghum grains	0	---	0	---	---	---
Subtotal oilseeds	14	2	12	---	---	---
6521 peanuts	0	---	0	---	---	---
6522 soybeans	3	---	3	---	---	---
6590 oilseeds nec	11	2	9	---	---	---
Subtotal vegetable products	91	4	87	---	---	---
6653 vegetable oils	35	0	35	---	---	---
6654 vegetables & prod.	56	4	52	---	---	---
Subtotal processed grain and animal feed	41	0	41	---	---	---
6746 wheat flour	3	---	3	---	---	---
6747 grain mill products	18	0	18	---	---	---
6781 hay & fodder	1	---	1	---	---	---
6782 animal feed, prep.	18	0	18	---	---	---
Subtotal other agricultural products	713	117	596	---	---	---
6811 meat, fresh, frozen	85	1	84	---	---	---
6817 meat, prepared	26	0	26	---	---	---
6822 dairy products	30	0	30	---	---	---
6835 fish, prepared	4	3	0	---	---	---
6838 tallow, animal oils	1	---	1	---	---	---
6839 animals & prod. nec	4	0	4	---	---	---
6857 fruit & nuts nec	18	1	17	---	---	---
6858 fruit juices	27	0	27	---	---	---
6861 sugar	16	0	16	---	---	---
6865 molasses	30	0	29	---	---	---
6871 coffee	9	1	8	---	---	---
6872 cocoa beans	0	0	0	---	---	---
6885 alcoholic beverages	81	17	63	---	---	---
6887 groceries	121	61	60	---	---	---
6888 water & ice	1	0	1	---	---	---
6889 food products nec	246	22	223	---	---	---
6891 tobacco & products	8	3	5	---	---	---
6893 cotton	5	5	0	---	---	---
6894 natural fibers nec	0	---	0	---	---	---
6899 farm products nec	1	0	1	---	---	---
Total all manufactured equipment, machinery and products	1,480	448	1,028	0	1	3
7110 machinery (not elec)	84	39	45	0	0	0
7120 electrical machinery	79	30	49	---	---	---

JACKSONVILLE HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intransport
7210 vehicles & parts	136	35	101	—	—	0
7220 aircraft & parts	0	0	0	—	—	—
7230 ships & boats	0	0	0	—	—	—
7300 ordnance & access.	0	—	0	—	—	—
7400 manufac. wood prod.	36	1	35	—	—	—
7500 textile products	76	35	41	—	—	—
7600 rubber & plastic pr.	31	6	25	—	—	—
7800 empty containers	0	0	0	—	—	—
7900 manufac. prod. nec	1,038	302	732	—	1	3
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	—	—	—

*Includes 71 (x1000) tons of foreign inbound in-transits; Includes 9 (x1000) tons of foreign outbound 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
1990	707	1993	1,220	1996	703	1999	871
1991	891	1994	1,068	1997	640		
1992	823	1995	527	1998	855		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal			
		Inbound	Outbound	Through	Intra
		Upbound	Downbnd	Upbound	Upbound
Total, all commodities	871	687	5	177	2
Total petroleum and petroleum products	870	687	4	177	2
Subtotal petroleum products	870	687	4	177	2
2211 gasoline	1	—	1	—	—
2340 residual fuel oil	868	687	2	177	2
Total primary manufactured goods	1	—	1	—	—
Subtotal primary non-ferrous metal products	1	—	1	—	—
5480 fab. metal products	1	—	1	—	—
Total food and farm products	0	—	0	—	—
Subtotal fish	0	—	0	—	—
6134 fish (not shellfish)	0	—	0	—	—
Total all manufactured equipment, machinery and products	0	0	0	—	—
7110 machinery (not elec)	0	0	0	—	—
7900 manufac. prod. nec	0	0	—	—	—
Ton-miles (x1000)	103,027	93,454	368	9,010	194

Tons All Traffic (x1000) 871
Ton-miles All Traffic (x1000) 103,044

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
1990	817	1993	1,029	1996	585	1999	833
1991	713	1994	1,145	1997	424		
1992	765	1995	435	1998	694		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign
		Exports
Total, all commodities	1	1
Total primary manufactured goods	0	0
Subtotal lime, cement and glass	0	0
5240 glass & glass prod.	0	0
Subtotal primary iron and steel products	0	0
5360 i&s bars & shapes	0	0
Total food and farm products	0	0
Subtotal other agricultural products	0	0
6811 meat, fresh, frozen	0	0
Total all manufactured equipment, machinery and products	1	1
7110 machinery (not elec)	1	1
7120 electrical machinery	0	0
7210 vehicles & parts	0	0
7230 ships & boats	0	0
Total unknown or not elsewhere classified	0	0
9900 unknown or nec	0	0
Ton-miles (x1000)	6	6
Foreign		

Commodity	Total	Domestic
		Coastwise Through Downbnd
Total, all commodities	17	17
Total petroleum and petroleum products	15	15
Subtotal petroleum products	15	15
2640 liquid natural gas	15	15
Total primary manufactured goods	1	1
Subtotal primary iron and steel products	0	0
5370 i&s pipe & tube	0	0
Subtotal primary non-ferrous metal products	1	1
5480 fab. metal products	1	1
Total all manufactured equipment, machinery and products	1	1
7230 ships & boats	0	0
7500 textile products	1	1
7600 rubber & plastic pr.	0	0
Ton-miles (x1000)	1,789	1,789
Coastwise		

Commodity	Total	Domestic							
		Internal							
		Inbound		Outbound		Through		Intra	
Upbound	Downbnd	Upbound	Upbound	Downbnd	Upbound	Downbnd			
Total, all commodities	814	436	76	2	186	21	16	77	
Total petroleum and petroleum products	782	435	72	---	185	2	12	76	
Subtotal crude petroleum	75	---	---	---	---	---	---	75	
2100 crude petroleum	75	---	---	---	---	---	---	75	
Subtotal petroleum products	707	435	72	---	185	2	12	1	
2330 distillate fuel oil	13	---	0	---	10	2	---	1	
2340 residual fuel oil	693	435	72	---	174	---	12	---	

INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic							
		Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Upbound	Downbnd	Upbound	Downbnd	
Total chemicals and related products	0	---	---	---	---	0	---	---	
Subtotal other chemicals and related products	0	---	---	---	---	0	---	---	
3293 explosives	0	---	---	---	---	0	---	---	
Total primary manufactured goods	19	---	1	---	---	18	---	---	
Subtotal lime, cement and glass	15	---	---	---	---	15	---	---	
5290 misc. mineral prod.	15	---	---	---	---	15	---	---	
Subtotal primary iron and steel products	1	---	---	---	---	1	---	---	
5360 i&s bars & shapes	1	---	---	---	---	1	---	---	
5370 i&s pipe & tube	0	---	---	---	---	0	---	---	
Subtotal primary non-ferrous metal products	4	---	1	---	---	2	---	---	
5480 fab. metal products	4	---	1	---	---	2	---	---	
Total food and farm products	13	1	3	2	1	---	4	1	
Subtotal fish	11	1	2	2	1	---	4	---	
6134 fish (not shellfish)	6	1	2	0	0	---	3	---	
6136 shellfish	5	0	0	2	1	---	1	---	
Subtotal other agricultural products	2	---	1	---	---	---	---	1	
6888 water & ice	2	---	1	---	---	---	---	1	
Total all manufactured equipment, machinery and products	1	---	---	---	---	1	---	---	
7110 machinery (not elec)	0	---	---	---	---	0	---	---	
7900 manufac. prod. nec	1	---	---	---	---	1	---	---	
Ton-miles (x1000) Internal	38,873	1,305	11,115	12	21,532	4,229	66	614	

Tons All Traffic (x1000) 833
Ton-miles All Traffic (x1000) 40,669

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

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
1990	2,992	1993	3,454	1996	3,567	1999	3,916
1991	3,004	1994	3,625	1997	3,147		
1992	2,968	1995	2,817	1998	3,795		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports*	Coastwise		Internal		
					Receipts	Shipments	Receipts	Shipments	
Total, all commodities	3,916	1,876	257	334	1,449	856	21	8	564
Total petroleum and petroleum products	1,988	508	0	55	1,425	856	---	6	564
Subtotal petroleum products	1,988	508	0	55	1,425	856	---	6	564
2211 gasoline	385	173	---	---	213	213	---	---	---
2330 distillate fuel oil	188	99	0	---	88	84	---	4	---
2340 residual fuel oil	1,358	226	---	55	1,077	512	---	2	564
2350 lube oil & greases	0	---	0	---	---	---	---	---	---
2430 asphalt, tar & pitch	47	---	---	---	47	47	---	---	---

CANAVERAL HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports*	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
2540 petroleum coke	10	10	—	—	—	—	—	—	—
Total chemicals and related products	2	1	1	—	—	—	—	—	—
Subtotal fertilizers	0	—	0	—	—	—	—	—	—
3120 phosphatic fert.	0	—	0	—	—	—	—	—	—
Subtotal other chemicals and related products	2	1	1	—	—	—	—	—	—
3273 ammonia	0	0	—	—	—	—	—	—	—
3282 pigments & paints	0	0	—	—	—	—	—	—	—
3284 medicines	0	—	0	—	—	—	—	—	—
3285 perfumes & cleansers	2	1	1	—	—	—	—	—	—
3286 plastics	0	—	0	—	—	—	—	—	—
3291 pesticides	0	—	0	—	—	—	—	—	—
Total crude materials, inedible except fuels	453	335	58	40	21	—	21	—	—
Subtotal forest products, wood and chips	6	—	—	6	—	—	—	—	—
4189 lumber	6	—	—	6	—	—	—	—	—
Subtotal pulp and waste paper	3	—	3	—	—	—	—	—	—
4225 pulp & waste paper	3	—	3	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	89	—	55	33	—	—	—	—	—
4331 sand & gravel	89	—	55	33	—	—	—	—	—
Subtotal iron ore and scrap	21	—	—	—	21	—	21	—	—
4420 iron & steel scrap	21	—	—	—	21	—	21	—	—
Subtotal other non-metal. min.	335	335	—	—	—	—	—	—	—
4900 non-metal. min. nec	335	335	—	—	—	—	—	—	—
Total primary manufactured goods	1,236	994	2	240	1	—	—	1	—
Subtotal paper products	286	46	0	240	—	—	—	—	—
5110 newsprint	269	38	—	232	—	—	—	—	—
5120 paper & paperboard	11	3	0	8	—	—	—	—	—
5190 paper products nec	6	6	0	—	—	—	—	—	—
Subtotal lime, cement and glass	919	917	0	—	1	—	—	1	—
5220 cement & concrete	803	803	0	—	—	—	—	—	—
5240 glass & glass prod.	0	0	—	—	—	—	—	—	—
5290 misc. mineral prod.	115	114	0	—	1	—	—	1	—
Subtotal primary iron and steel products	28	28	0	—	—	—	—	—	—
5320 i&s primary forms	0	—	0	—	—	—	—	—	—
5360 i&s bars & shapes	28	28	0	—	—	—	—	—	—
5370 i&s pipe & tube	0	—	0	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	3	2	1	—	—	—	—	—	—
5421 copper	0	—	0	—	—	—	—	—	—
5422 aluminum	1	1	0	—	—	—	—	—	—
5429 smelted prod. nec	0	—	0	—	—	—	—	—	—
5480 fab. metal products	2	1	1	—	—	—	—	—	—

CANAVERAL HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports*	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Subtotal primary wood products	0	---	0	---	---	---	---	---	---
5540 primary wood prod.	0	---	0	---	---	---	---	---	---
Total food and farm products	226	37	188	0	1	---	---	1	---
Subtotal fish	1	---	---	---	1	---	---	1	---
6134 fish (not shellfish)	0	---	---	---	0	---	---	0	---
6136 shellfish	1	---	---	---	1	---	---	1	---
Subtotal grain	1	---	1	---	---	---	---	---	---
6442 rice	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	---	---	---	---	---	---
6781 hay & fodder	0	---	0	---	---	---	---	---	---
Subtotal other agricultural products	223	37	186	0	---	---	---	---	---
6811 meat, fresh, frozen	2	---	2	---	---	---	---	---	---
6817 meat, prepared	1	---	1	---	---	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---	---	---
6835 fish, prepared	0	---	0	---	---	---	---	---	---
6857 fruit & nuts nec	84	---	84	---	---	---	---	---	---
6858 fruit juices	136	37	99	0	---	---	---	---	---
6885 alcoholic beverages	0	0	0	---	---	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---	---	---
6893 cotton	0	---	0	---	---	---	---	---	---
6899 farm products nec	0	---	0	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	10	2	8	---	0	---	0	---	---
7110 machinery (not elec)	1	0	1	---	---	---	---	---	---
7120 electrical machinery	0	0	0	---	---	---	---	---	---
7210 vehicles & parts	7	1	6	---	0	---	0	---	---
7220 aircraft & parts	0	0	0	---	---	---	---	---	---
7230 ships & boats	1	0	1	---	---	---	---	---	---
7400 manufac. wood prod.	1	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	---	---	---	---	---	---

*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.

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
1990	2,466	1993	2,816	1996	2,294	1999	3,352
1991	2,075	1994	2,884	1997	2,922		
1992	2,646	1995	2,972	1998	3,149		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports*	Imports	Total	Coastwise		Internal Receipts
						Receipts	Shipments	
Total, all commodities	3,352	412	805	1	2,134	1,220	913	1
Total coal	0	---	0	---	---	---	---	---
1100 coal lignite	0	---	0	---	---	---	---	---
Total petroleum and petroleum products	1,244	17	7	---	1,220	1,220	---	---
Subtotal crude petroleum	0	---	0	---	---	---	---	---
2100 crude petroleum	0	---	0	---	---	---	---	---
Subtotal petroleum products	1,244	17	7	---	1,220	1,220	---	---
2211 gasoline	2	---	2	---	---	---	---	---
2221 kerosene	0	---	0	---	---	---	---	---
2330 distillate fuel oil	17	17	0	---	---	---	---	---
2340 residual fuel oil	1,220	---	0	---	1,220	1,220	---	---
2350 lube oil & greases	1	---	1	---	---	---	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---	---	---
2429 naphtha & solvents	1	0	1	---	---	---	---	---
2430 asphalt, tar & pitch	1	---	1	---	---	---	---	---
2540 petroleum coke	0	---	0	---	---	---	---	---
2640 liquid natural gas	1	---	1	---	---	---	---	---
Total chemicals and related products	99	52	47	---	---	---	---	---
Subtotal fertilizers	41	23	18	---	---	---	---	---
3110 nitrogenous fert.	2	1	1	---	---	---	---	---
3120 phosphatic fert.	0	---	0	---	---	---	---	---
3130 potassic fert.	0	---	0	---	---	---	---	---
3190 fert. & mixes nec	39	22	17	---	---	---	---	---
Subtotal other chemicals and related products	58	29	29	---	---	---	---	---
3211 acyclic hydrocarbons	0	---	0	---	---	---	---	---
3219 other hydrocarbons	1	0	1	---	---	---	---	---
3220 alcohols	4	1	2	---	---	---	---	---
3230 carboxylic acids	1	0	1	---	---	---	---	---
3240 nitrogen func. comp.	0	0	0	---	---	---	---	---
3250 organo - inorg. comp.	0	---	0	---	---	---	---	---
3260 organic comp. nec	1	---	1	---	---	---	---	---
3272 sulphuric acid	1	---	1	---	---	---	---	---
3274 sodium hydroxide	2	---	2	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	3	0	3	---	---	---	---	---
3276 metallic salts	1	0	1	---	---	---	---	---
3279 inorganic chem. nec	0	---	0	---	---	---	---	---
3281 radioactive material	0	---	0	---	---	---	---	---
3282 pigments & paints	3	0	3	---	---	---	---	---
3283 coloring mat. nec	0	0	0	---	---	---	---	---
3284 medicines	0	0	0	---	---	---	---	---
3285 perfumes & cleansers	6	1	5	---	---	---	---	---
3286 plastics	32	25	7	---	---	---	---	---
3291 pesticides	1	0	0	---	---	---	---	---
3292 starches, gluten, glue	1	0	1	---	---	---	---	---
3293 explosives	0	---	0	---	---	---	---	---
3297 chemical additives	0	---	0	---	---	---	---	---
3298 wood & resin chem.	0	---	0	---	---	---	---	---
3299 chem. products nec	2	1	1	---	---	---	---	---
Total crude materials, inedible except fuels	31	1	30	---	---	---	---	---
Subtotal forest products, wood and chips	20	1	19	---	---	---	---	---
4110 rubber & gums	0	---	0	---	---	---	---	---
4150 fuel wood	0	---	0	---	---	---	---	---
4161 wood chips	2	---	2	---	---	---	---	---
4170 wood in the rough	2	---	2	---	---	---	---	---
4189 lumber	15	0	15	---	---	---	---	---
4190 forest products nec	1	0	0	---	---	---	---	---
Subtotal pulp and waste paper	3	---	3	---	---	---	---	---
4225 pulp & waste paper	3	---	3	---	---	---	---	---

PALM BEACH HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports*	Imports	Total	Coastwise		Internal Receipts
						Receipts	Shipments	
Subtotal soil, sand, gravel, rock and stone	7	0	7	---	---	---	---	
4310 building stone	1	0	1	---	---	---	---	
4322 limestone	0	---	0	---	---	---	---	
4323 gypsum	4	---	4	---	---	---	---	
4331 sand & gravel	1	0	1	---	---	---	---	
Subtotal iron ore and scrap	0	0	---	---	---	---	---	
4420 iron & steel scrap	0	0	---	---	---	---	---	
Subtotal marine shells	0	0	---	---	---	---	---	
4515 marine shells	0	0	---	---	---	---	---	
Subtotal non-ferrous ores and scrap	1	0	1	---	---	---	---	
4630 copper ore	0	---	0	---	---	---	---	
4650 aluminum ore	0	---	0	---	---	---	---	
4680 non-ferrous scrap	1	0	1	---	---	---	---	
4690 non-ferrous ores nec	0	---	0	---	---	---	---	
Subtotal sulphur, clay and salt	0	---	0	---	---	---	---	
4741 sulphur, (dry)	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	293	211	82	---	---	---	---	
Subtotal paper products	15	0	15	---	---	---	---	
5110 newsprint	0	---	0	---	---	---	---	
5120 paper & paperboard	4	0	4	---	---	---	---	
5190 paper products nec	11	0	11	---	---	---	---	
Subtotal lime, cement and glass	254	207	47	---	---	---	---	
5220 cement & concrete	231	206	26	---	---	---	---	
5240 glass & glass prod.	3	0	2	---	---	---	---	
5290 misc. mineral prod.	19	1	19	---	---	---	---	
Subtotal primary iron and steel products	8	2	5	---	---	---	---	
5312 pig iron	0	---	0	---	---	---	---	
5320 i&s primary forms	3	2	1	---	---	---	---	
5330 i&s plates & sheets	0	0	0	---	---	---	---	
5360 i&s bars & shapes	3	---	3	---	---	---	---	
5370 i&s pipe & tube	1	0	1	---	---	---	---	
5390 primary i&s nec	1	0	1	---	---	---	---	
Subtotal primary non-ferrous metal products	12	2	10	---	---	---	---	
5421 copper	2	2	0	---	---	---	---	
5422 aluminum	1	---	1	---	---	---	---	
5429 smelted prod. nec	0	0	0	---	---	---	---	
5480 fab. metal products	10	1	9	---	---	---	---	
Subtotal primary wood products	4	0	4	---	---	---	---	
5540 primary wood prod.	4	0	4	---	---	---	---	
Total food and farm products	1,557	86	557	0	914	---	913	
Subtotal fish	5	3	1	---	1	---	1	
6134 fish (not shellfish)	2	0	1	---	1	---	1	
6136 shellfish	3	3	0	---	0	---	0	
Subtotal grain	27	0	27	---	---	---	---	
6344 corn	18	---	18	---	---	---	---	
6442 rice	9	0	9	---	---	---	---	
6445 oats	0	---	0	---	---	---	---	
Subtotal oilseeds	1	---	1	---	---	---	---	
6521 peanuts	0	---	0	---	---	---	---	
6522 soybeans	1	---	1	---	---	---	---	
6590 oilseeds nec	0	---	0	---	---	---	---	
Subtotal vegetable products	19	4	15	---	---	---	---	
6653 vegetable oils	4	---	4	---	---	---	---	
6654 vegetables & prod.	15	4	11	---	---	---	---	
Subtotal processed grain and animal feed	57	0	57	---	---	---	---	
6746 wheat flour	6	---	6	---	---	---	---	
6747 grain mill products	4	0	4	---	---	---	---	
6781 hay & fodder	0	---	0	---	---	---	---	
6782 animal feed, prep.	47	0	47	---	---	---	---	
Subtotal other agricultural products	1,447	79	455	0	913	---	913	
6811 meat, fresh, frozen	35	0	35	---	---	---	---	
6817 meat, prepared	3	1	2	---	---	---	---	
6822 dairy products	13	0	13	---	---	---	---	
6835 fish, prepared	1	0	1	---	---	---	---	
6838 tallow, animal oils	0	---	0	---	---	---	---	
6839 animals & prod. nec	4	0	4	---	---	---	---	
6856 bananas & plantains	0	0	0	---	---	---	---	
6857 fruit & nuts nec	61	59	2	---	---	---	---	

PALM BEACH HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports*	Imports	Total	Coastwise		Internal Receipts
						Receipts	Shipments	
6858 fruit juices	11	1	10	0	—	—	—	—
6861 sugar	899	—	7	—	893	—	893	—
6865 molasses	306	—	286	—	20	—	20	—
6871 coffee	2	2	0	—	—	—	—	—
6872 cocoa beans	4	4	0	—	—	—	—	—
6885 alcoholic beverages	20	5	14	—	—	—	—	—
6888 water & ice	1	0	1	—	—	—	—	—
6889 food products nec	75	3	72	—	—	—	—	—
6891 tobacco & products	4	3	2	—	—	—	—	—
6893 cotton	0	0	0	—	—	—	—	—
6894 natural fibers nec	0	—	0	—	—	—	—	—
6899 farm products nec	7	—	7	—	—	—	—	—
Total all manufactured equipment, machinery and products	119	43	75	1	—	—	—	—
7110 machinery (not elec)	9	1	8	1	—	—	—	—
7120 electrical machinery	8	0	8	0	—	—	—	—
7210 vehicles & parts	7	0	7	—	—	—	—	—
7220 aircraft & parts	0	0	0	0	—	—	—	—
7230 ships & boats	1	0	1	0	—	—	—	—
7300 ordnance & access.	0	—	0	—	—	—	—	—
7400 manufac. wood prod.	8	0	8	—	—	—	—	—
7500 textile products	64	38	26	—	—	—	—	—
7600 rubber & plastic pr.	6	1	6	—	—	—	—	—
7900 manufac. prod. nec	14	2	12	0	—	—	—	—
Total unknown or not elsewhere classified	9	3	6	—	—	—	—	—
9900 unknown or nec	9	3	6	—	—	—	—	—

*Includes 32 (x1000) tons of foreign inbound in-transits; Includes 93 (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
1990	14,145	1993	16,297	1996	18,897	1999	22,054
1991	14,499	1994	18,135	1997	19,925		
1992	14,508	1995	18,367	1998	21,782		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	9,499	7,001	2,120	377	1
Total coal	3	0	3	—	—
1100 coal lignite	2	0	2	—	—
1200 coal coke	1	—	1	—	—
Total petroleum and petroleum products	3,198	3,041	87	70	—
Subtotal crude petroleum	88	87	1	—	—
2100 crude petroleum	88	87	1	—	—
Subtotal petroleum products	3,111	2,954	86	70	—
2211 gasoline	805	804	1	—	—
2221 kerosene	1,164	1,163	1	—	—
2330 distillate fuel oil	246	188	58	—	—
2340 residual fuel oil	609	534	5	70	—
2350 lube oil & greases	8	0	8	—	—
2410 petro. jelly & waxes	1	0	0	—	—
2429 naphtha & solvents	2	0	2	—	—
2430 asphalt, tar & pitch	1	—	1	—	—
2540 petroleum coke	269	264	6	—	—
2640 liquid natural gas	6	—	6	—	—
Total chemicals and related products	212	71	142	—	0
Subtotal fertilizers	7	0	6	—	—
3110 nitrogenous fert.	0	0	0	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	0	0	0	—	—
3190 fert. & mixes nec	6	0	6	—	—
Subtotal other chemicals and related products	206	70	135	—	0
3211 acyclic hydrocarbons	0	0	0	—	—
3212 benzene & toluene	0	—	0	—	—
3219 other hydrocarbons	2	1	1	—	—
3220 alcohols	1	0	1	—	—
3230 carboxylic acids	2	1	1	—	—
3240 nitrogen func. comp.	4	1	2	—	0
3250 organo - inorg. comp.	1	0	1	—	—
3260 organic comp. nec	1	0	1	—	—
3271 sulphur (liquid)	0	—	0	—	—
3272 sulphuric acid	0	—	0	—	—
3273 ammonia	0	0	0	—	—
3274 sodium hydroxide	4	1	4	—	—
3275 inorg. elem., oxides, & halogen salts	12	6	7	—	—
3276 metallic salts	11	5	6	—	—
3279 inorganic chem. nec	4	2	1	—	—
3281 radioactive material	0	0	0	—	—
3282 pigments & paints	24	2	22	—	0
3283 coloring mat. nec	3	0	2	—	—
3284 medicines	6	2	4	—	—
3285 perfumes & cleansers	38	14	23	—	—
3286 plastics	60	25	35	—	0
3291 pesticides	9	4	6	—	—
3292 starches, gluten, glue	8	3	4	—	—
3293 explosives	0	0	0	—	—
3297 chemical additives	3	0	3	—	—
3298 wood & resin chem.	1	0	1	—	—
3299 chem. products nec	11	2	9	—	—
Total crude materials, inedible except fuels	1,107	271	531	305	0
Subtotal forest products, wood and chips	111	35	50	27	0
4110 rubber & gums	0	0	0	—	—
4150 fuel wood	1	0	1	—	—
4161 wood chips	0	0	0	—	—
4170 wood in the rough	6	3	3	—	—
4189 lumber	102	31	44	27	0
4190 forest products nec	2	1	2	—	—
Subtotal pulp and waste paper	35	0	35	—	—
4225 pulp & waste paper	35	0	35	—	—
Subtotal soil, sand, gravel, rock and stone	635	71	410	153	—
4310 building stone	3	1	2	—	—
4322 limestone	85	—	0	85	—
4323 gypsum	409	30	378	0	—
4331 sand & gravel	138	40	30	68	—

PORT EVERGLADES HARBOR, FL
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Subtotal iron ore and scrap	19	0	19	---	---
4410 iron ore	0	0	0	---	---
4420 iron & steel scrap	19	0	19	---	---
Subtotal marine shells	0	0	0	---	---
4515 marine shells	0	0	0	---	---
Subtotal non-ferrous ores and scrap	45	43	2	---	---
4630 copper ore	0	---	0	---	---
4650 aluminum ore	1	0	1	---	---
4680 non-ferrous scrap	44	43	1	---	---
4690 non-ferrous ores nec	0	---	0	---	---
Subtotal sulphur, clay and salt	4	0	4	---	---
4741 sulphur, (dry)	0	---	0	---	---
4782 clay & refrac. mat.	4	0	4	---	---
Subtotal slag	3	3	0	---	---
4860 slag	3	3	0	---	---
Subtotal other non-metal. min.	254	118	12	125	---
4900 non-metal. min. nec	254	118	12	125	---
Total primary manufactured goods	2,658	2,360	298	---	0
Subtotal paper products	142	23	119	---	---
5110 newsprint	6	0	6	---	---
5120 paper & paperboard	86	17	69	---	---
5190 paper products nec	50	6	44	---	---
Subtotal lime, cement and glass	2,138	2,050	88	---	---
5210 lime	2	2	1	---	---
5220 cement & concrete	1,904	1,891	13	---	---
5240 glass & glass prod.	34	15	19	---	---
5290 misc. mineral prod.	198	143	55	---	---
Subtotal primary iron and steel products	234	215	19	---	---
5312 pig iron	1	---	1	---	---
5315 ferro alloys	1	1	0	---	---
5320 i&s primary forms	2	0	2	---	---
5330 i&s plates & sheets	18	14	4	---	---
5360 i&s bars & shapes	203	196	7	---	---
5370 i&s pipe & tube	6	2	4	---	---
5390 primary i&s nec	4	3	1	---	---
Subtotal primary non-ferrous metal products	86	36	50	---	---
5421 copper	2	1	2	---	---
5422 aluminum	19	12	7	---	---
5429 smelted prod. nec	3	2	0	---	---
5480 fab. metal products	63	21	41	---	---
Subtotal primary wood products	58	36	22	---	0
5540 primary wood prod.	58	36	22	---	0
Total food and farm products	1,113	725	387	0	1
Subtotal fish	54	44	9	---	---
6134 fish (not shellfish)	21	14	7	---	---
6136 shellfish	33	31	2	---	---
Subtotal grain	8	1	7	---	---
6241 wheat	0	---	0	---	---
6344 corn	1	0	1	---	---
6442 rice	7	1	6	---	---
6443 barley & rye	0	---	0	---	---
6445 oats	0	0	0	---	---
6447 sorghum grains	0	0	0	---	---
Subtotal oilseeds	13	12	1	---	---
6521 peanuts	1	1	0	---	---
6522 soybeans	0	0	0	---	---
6590 oilseeds nec	12	11	1	---	---
Subtotal vegetable products	163	96	67	---	---
6653 vegetable oils	18	0	18	---	---
6654 vegetables & prod.	145	96	49	---	---
Subtotal processed grain and animal feed	74	12	63	---	---
6746 wheat flour	3	0	3	---	---
6747 grain mill products	31	11	20	---	---
6781 hay & fodder	2	0	2	---	---
6782 animal feed, prep.	37	0	37	---	---
Subtotal other agricultural products	800	559	239	0	1
6811 meat, fresh, frozen	76	16	61	---	---
6817 meat, prepared	8	1	6	---	---
6822 dairy products	24	13	12	---	---
6835 fish, prepared	7	4	3	---	---
6838 tallow, animal oils	13	0	12	---	1
6839 animals & prod. nec	3	3	1	---	---
6856 bananas & plantains	53	53	0	---	---
6857 fruit & nuts nec	172	166	6	---	---
6858 fruit juices	55	34	22	---	---
6861 sugar	8	3	5	---	---
6871 coffee	77	67	11	---	---
6872 cocoa beans	2	1	1	---	---
6885 alcoholic beverages	164	149	15	---	---
6888 water & ice	14	12	2	---	---
6889 food products nec	94	23	71	0	---
6891 tobacco & products	12	9	3	---	---
6893 cotton	1	0	1	---	---
6894 natural fibers nec	0	0	0	---	---

PORT EVERGLADES HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
6899 farm products nec	15	7	7	—	—
Total all manufactured equipment, machinery and products	1,144	514	627	2	0
7110 machinery (not elec)	131	34	97	—	0
7120 electrical machinery	128	24	104	—	—
7210 vehicles & parts	98	27	70	—	—
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	20	13	6	0	—
7300 ordnance & access.	1	0	1	—	—
7400 manufac. wood prod.	51	15	35	1	—
7500 textile products	516	329	186	1	0
7600 rubber & plastic pr.	70	17	52	0	0
7900 manufac. prod. nec	130	55	75	0	0
Total unknown or not elsewhere classified	65	19	46	0	0
9900 unknown or nec	65	19	46	0	0

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	12,554	12,106	394	53	2
Total petroleum and petroleum products	12,377	12,097	227	52	2
Subtotal crude petroleum	134	—	134	—	—
2100 crude petroleum	134	—	134	—	—
Subtotal petroleum products	12,243	12,097	92	52	2
2211 gasoline	8,115	8,115	—	—	—
2221 kerosene	71	71	—	—	—
2330 distillate fuel oil	2,673	2,655	8	8	2
2340 residual fuel oil	781	684	53	44	—
2410 petro. jelly & waxes	0	—	0	—	—
2430 asphalt, tar & pitch	124	94	31	—	—
2640 liquid natural gas	86	86	—	—	—
2990 petro. products nec	393	393	—	—	—
Total chemicals and related products	3	2	2	—	—
Subtotal fertilizers	0	—	0	—	—
3190 fert. & mixes nec	0	—	0	—	—
Subtotal other chemicals and related products	3	2	2	—	—
3220 alcohols	0	—	0	—	—
3282 pigments & paints	0	0	0	—	—
3284 medicines	0	0	0	—	—
3285 perfumes & cleansers	1	1	1	—	—
3291 pesticides	0	—	0	—	—
3292 starches, gluten, glue	0	0	0	—	—
3299 chem. products nec	1	0	1	—	—
Total crude materials, inedible except fuels	5	0	5	—	—
Subtotal forest products, wood and chips	5	0	5	—	—
4189 lumber	5	0	5	—	—
4190 forest products nec	0	0	0	—	—
Subtotal soil, sand, gravel, rock and stone	0	—	0	—	—
4331 sand & gravel	0	—	0	—	—
Total primary manufactured goods	36	1	35	1	—
Subtotal paper products	5	0	4	—	—
5120 paper & paperboard	1	0	1	—	—
5190 paper products nec	4	0	3	—	—
Subtotal lime, cement and glass	1	—	1	—	—
5220 cement & concrete	0	—	0	—	—
5240 glass & glass prod.	1	—	1	—	—
Subtotal primary iron and steel products	0	—	0	—	—
5370 i&s pipe & tube	0	—	0	—	—
Subtotal primary non-ferrous metal products	30	0	29	1	—
5480 fab. metal products	30	0	29	1	—
Total food and farm products	43	3	40	—	—
Subtotal processed grain and animal feed	2	—	2	—	—
6782 animal feed, prep.	2	—	2	—	—
Subtotal other agricultural products	41	3	38	—	—
6839 animals & prod. nec	0	0	—	—	—
6885 alcoholic beverages	0	0	0	—	—
6887 groceries	3	0	3	—	—
6888 water & ice	0	0	—	—	—
6889 food products nec	38	3	35	—	—
6891 tobacco & products	0	—	0	—	—
6899 farm products nec	0	0	—	—	—
Total all manufactured equipment, machinery and products	90	4	86	—	—
7110 machinery (not elec)	4	0	4	—	—

PORT EVERGLADES HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
7120 electrical machinery	4	0	4	—	—
7210 vehicles & parts	9	1	8	—	—
7220 aircraft & parts	0	—	0	—	—
7230 ships & boats	1	0	1	—	—
7400 manufac. wood prod.	16	1	16	—	—
7500 textile products	0	0	0	—	—
7600 rubber & plastic pr.	3	0	3	—	—
7900 manufac. prod. nec	52	2	50	—	—

*Includes 302 (x1000) tons of foreign inbound in-transits; Includes 179 (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
1990	4,296	1993	6,696	1996	5,719	1999	7,723
1991	4,720	1994	6,517	1997	6,612		
1992	6,451	1995	6,579	1998	7,392		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	6,099	3,562	2,440	64	34
Total coal	2	0	2	0	—
1100 coal lignite	2	0	2	0	—
1200 coal coke	0	—	0	—	—
Total petroleum and petroleum products	549	426	66	25	31
Subtotal crude petroleum	0	—	0	—	—
2100 crude petroleum	0	—	0	—	—
Subtotal petroleum products	548	426	66	25	31
2211 gasoline	0	—	0	—	—
2221 kerosene	29	29	0	—	—
2330 distillate fuel oil	28	25	3	—	—
2340 residual fuel oil	408	351	32	24	—
2350 lube oil & greases	19	0	19	—	0
2410 petro. jelly & waxes	3	2	1	—	—
2429 naphtha & solvents	22	15	6	0	—
2430 asphalt, tar & pitch	1	0	1	—	—
2540 petroleum coke	33	0	1	—	31
2640 liquid natural gas	5	5	1	—	0
Total chemicals and related products	318	109	207	3	0
Subtotal fertilizers	21	4	17	0	—
3110 nitrogenous fert.	1	0	1	—	—
3120 phosphatic fert.	0	0	0	—	—
3130 potassic fert.	0	0	0	—	—
3190 fert. & mixes nec	19	3	16	0	—
Subtotal other chemicals and related products	298	105	190	3	0
3211 acyclic hydrocarbons	0	0	0	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	5	3	2	—	—
3220 alcohols	4	2	3	—	0
3230 carboxylic acids	5	3	2	0	—
3240 nitrogen func. comp.	8	3	4	0	0
3250 organo - inorg. comp.	8	5	3	0	—
3260 organic comp. nec	4	2	2	0	0
3272 sulphuric acid	0	0	0	—	—
3273 ammonia	1	0	1	—	—
3274 sodium hydroxide	4	0	4	—	—
3275 inorg. elem., oxides, & halogen salts	27	12	14	0	0
3276 metallic salts	17	6	11	0	—
3279 inorganic chem. nec	3	2	1	—	—
3281 radioactive material	0	0	0	—	—
3282 pigments & paints	24	4	20	—	0
3283 coloring mat. nec	4	2	3	—	—

MIAMI HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
3284 medicines	9	3	5	1	0
3285 perfumes & cleansers	55	25	30	0	0
3286 plastics	68	20	46	1	0
3291 pesticides	11	4	7	0	—
3292 starches, gluten, glue	12	3	9	—	0
3293 explosives	1	1	0	—	—
3297 chemical additives	6	0	6	—	—
3298 wood & resin chem.	2	0	2	—	—
3299 chem. products nec	17	4	13	0	—
Total crude materials, inedible except fuels	362	127	228	7	0
Subtotal forest products, wood and chips	145	84	57	4	—
4110 rubber & gums	5	5	0	—	—
4150 fuel wood	1	1	1	—	—
4161 wood chips	1	—	1	—	—
4170 wood in the rough	8	1	3	3	—
4189 lumber	124	75	48	1	—
4190 forest products nec	6	2	4	0	—
Subtotal pulp and waste paper	76	1	75	1	—
4225 pulp & waste paper	76	1	75	1	—
Subtotal soil, sand, gravel, rock and stone	66	10	54	2	0
4310 building stone	12	10	2	—	—
4322 limestone	0	0	0	—	—
4323 gypsum	44	0	44	—	0
4327 phosphate rock	1	—	1	—	—
4331 sand & gravel	9	0	7	2	—
Subtotal iron ore and scrap	13	1	12	—	—
4410 iron ore	0	0	—	—	—
4420 iron & steel scrap	12	0	12	—	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	38	26	12	—	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	3	3	0	—	—
4680 non-ferrous scrap	35	23	11	—	—
4690 non-ferrous ores nec	0	—	0	—	—
Subtotal sulphur, clay and salt	14	1	13	—	—
4741 sulphur, (dry)	0	0	0	—	—
4782 clay & refrac. mat.	13	1	13	—	—
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	11	4	7	1	—
4900 non-metal. min. nec	11	4	7	1	—
Total primary manufactured goods	1,255	943	306	6	0
Subtotal paper products	193	85	104	5	0
5110 newsprint	6	2	2	2	—
5120 paper & paperboard	138	67	68	3	0
5190 paper products nec	49	16	34	0	—
Subtotal lime, cement and glass	768	688	80	1	0
5210 lime	1	0	1	—	—
5220 cement & concrete	22	5	17	—	—
5240 glass & glass prod.	37	28	8	0	0
5290 misc. mineral prod.	709	654	54	0	0
Subtotal primary iron and steel products	58	30	28	0	—
5312 pig iron	1	1	1	—	—
5315 ferro alloys	2	2	0	—	—
5320 i&s primary forms	3	1	2	—	—
5330 i&s plates & sheets	22	15	7	0	—
5360 i&s bars & shapes	12	4	8	0	—
5370 i&s pipe & tube	11	3	7	0	—
5390 primary i&s nec	7	5	3	—	—
Subtotal primary non-ferrous metal products	172	100	72	0	0
5421 copper	7	2	5	—	—
5422 aluminum	24	15	9	0	—
5429 smelted prod. nec	5	3	2	—	0
5480 fab. metal products	136	79	56	0	0
Subtotal primary wood products	64	41	24	0	—
5540 primary wood prod.	64	41	24	0	—
Total food and farm products	1,809	1,021	772	16	0
Subtotal fish	86	77	8	1	0
6134 fish (not shellfish)	22	16	4	1	0
6136 shellfish	65	61	3	—	—
Subtotal grain	80	6	74	0	0
6241 wheat	0	—	0	—	—
6344 corn	5	0	5	—	0
6442 rice	74	5	69	—	—
6443 barley & rye	0	—	0	0	—
6445 oats	1	0	0	0	—
Subtotal oilseeds	6	3	3	0	—
6521 peanuts	3	1	2	—	—
6522 soybeans	0	0	0	—	—
6534 flaxseed	0	—	0	0	—
6590 oilseeds nec	3	1	1	0	—
Subtotal vegetable products	257	132	121	5	—

MIAMI HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
6653 vegetable oils	50	12	39	—	—
6654 vegetables & prod.	207	120	82	5	—
Subtotal processed grain and animal feed	176	19	157	0	0
6746 wheat flour	80	1	80	0	—
6747 grain mill products	44	18	26	0	0
6781 hay & fodder	2	—	2	—	—
6782 animal feed, prep.	49	1	49	0	0
Subtotal other agricultural products	1,203	784	409	10	0
6811 meat, fresh, frozen	60	12	46	2	—
6817 meat, prepared	10	3	6	1	—
6822 dairy products	37	26	11	1	0
6835 fish, prepared	14	11	3	0	—
6838 tallow, animal oils	7	0	7	0	—
6839 animals & prod. nec	8	2	4	2	—
6856 bananas & plantains	219	219	1	—	—
6857 fruit & nuts nec	220	78	142	0	—
6858 fruit juices	153	107	46	0	—
6861 sugar	5	2	3	—	—
6865 molasses	0	—	0	—	—
6871 coffee	112	98	14	0	—
6872 cocoa beans	2	2	0	—	—
6885 alcoholic beverages	141	120	21	0	0
6888 water & ice	41	38	3	0	—
6889 food products nec	128	41	84	3	0
6891 tobacco & products	14	10	4	0	—
6893 cotton	15	7	8	—	—
6894 natural fibers nec	3	2	1	—	—
6899 farm products nec	12	7	5	1	—
Total all manufactured equipment, machinery and products	1,702	905	790	6	2
7110 machinery (not elec)	236	99	136	1	0
7120 electrical machinery	246	83	163	0	1
7210 vehicles & parts	138	51	87	1	0
7220 aircraft & parts	1	0	0	—	—
7230 ships & boats	9	6	3	0	—
7300 ordnance & access.	2	1	1	—	0
7400 manufac. wood prod.	50	37	13	0	0
7500 textile products	576	341	233	2	0
7600 rubber & plastic pr.	133	73	60	1	1
7900 manufac. prod. nec	311	215	94	1	0
Total unknown or not elsewhere classified	102	31	69	2	0
9900 unknown or nec	102	31	69	2	0

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	1,623	947	93	2	581
Total petroleum and petroleum products	1,335	699	54	—	581
Subtotal petroleum products	1,335	699	54	—	581
2211 gasoline	5	5	—	—	—
2330 distillate fuel oil	64	37	19	—	8
2340 residual fuel oil	1,265	657	35	—	573
2430 asphalt, tar & pitch	0	0	—	—	—
Total chemicals and related products	4	4	—	—	—
Subtotal other chemicals and related products	4	4	—	—	—
3211 acyclic hydrocarbons	0	0	—	—	—
3260 organic comp. nec	0	0	—	—	—
3285 perfumes & cleansers	1	1	—	—	—
3286 plastics	3	3	—	—	—
3292 starches, gluten, glue	0	0	—	—	—
3299 chem. products nec	0	0	—	—	—
Total crude materials, inedible except fuels	6	6	—	—	—
Subtotal forest products, wood and chips	4	4	—	—	—
4110 rubber & gums	0	0	—	—	—
4170 wood in the rough	0	0	—	—	—
4189 lumber	0	0	—	—	—
4190 forest products nec	3	3	—	—	—
Subtotal iron ore and scrap	1	1	—	—	—
4420 iron & steel scrap	1	1	—	—	—
Subtotal non-ferrous ores and scrap	1	1	—	—	—
4680 non-ferrous scrap	1	1	—	—	—
Total primary manufactured goods	38	6	31	1	—
Subtotal paper products	5	5	—	—	—
5110 newsprint	0	0	—	—	—
5120 paper & paperboard	4	4	—	—	—

MIAMI HARBOR, FL
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
5190 paper products nec	1	1	—	—	—
Subtotal lime, cement and glass	1	1	—	—	—
5240 glass & glass prod.	0	0	—	—	—
5290 misc. mineral prod.	1	1	—	—	—
Subtotal primary iron and steel products	0	0	—	—	—
5360 i&s bars & shapes	0	0	—	—	—
Subtotal primary non-ferrous metal products	32	1	31	1	—
5422 aluminum	0	0	—	—	—
5480 fab. metal products	32	0	31	1	—
Total food and farm products	61	60	—	1	—
Subtotal fish	1	0	—	1	—
6134 fish (not shellfish)	0	0	—	0	—
6136 shellfish	0	—	—	0	—
Subtotal oilseeds	2	2	—	—	—
6590 oilseeds nec	2	2	—	—	—
Subtotal vegetable products	1	1	—	—	—
6654 vegetables & prod.	1	1	—	—	—
Subtotal processed grain and animal feed	0	0	—	—	—
6747 grain mill products	0	0	—	—	—
6782 animal feed, prep.	0	0	—	—	—
Subtotal other agricultural products	57	57	—	—	—
6811 meat, fresh, frozen	10	10	—	—	—
6822 dairy products	0	0	—	—	—
6835 fish, prepared	1	1	—	—	—
6839 animals & prod. nec	0	0	—	—	—
6856 bananas & plantains	2	2	—	—	—
6857 fruit & nuts nec	1	1	—	—	—
6858 fruit juices	3	3	—	—	—
6871 coffee	5	5	—	—	—
6872 cocoa beans	0	0	—	—	—
6885 alcoholic beverages	24	24	—	—	—
6888 water & ice	5	5	—	—	—
6889 food products nec	3	3	—	—	—
6891 tobacco & products	0	0	—	—	—
6899 farm products nec	6	6	—	—	—
Total all manufactured equipment, machinery and products	179	171	8	—	—
7110 machinery (not elec)	1	1	—	—	—
7120 electrical machinery	0	0	—	—	—
7210 vehicles & parts	0	0	—	—	—
7400 manufac. wood prod.	1	1	—	—	—
7500 textile products	24	24	—	—	—
7600 rubber & plastic pr.	1	1	—	—	—
7900 manufac. prod. nec	152	144	8	—	—

*Includes 381 (x1000) tons of foreign inbound in-transits; Includes 176 (x1000) tons of foreign outbound in-transits;
Includes 32 (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
1990	582	1993	739	1996	593	1999	344
1991	586	1994	615	1997	723		
1992	680	1995	884	1998	507		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports*	Exports*	Exports	Internal
					Inbound
Upbound					
Total, all commodities	344	25	287	31	1
Total coal	0	—	0	—	—
1100 coal lignite	0	—	0	—	—
1200 coal coke	0	—	0	—	—
Total petroleum and petroleum products	36	—	4	31	—
Subtotal petroleum products	36	—	4	31	—
2221 kerosene	0	—	0	—	—
2340 residual fuel oil	1	—	1	—	—
2350 lube oil & greases	2	—	2	—	—
2429 naphtha & solvents	2	—	2	—	—

MIAMI RIVER, FL (INCLUDED IN TRAFFIC OF MIAMI HARBOR, FL)
Freight Traffic, 1999 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports*	Exports*	Exports	Internal
					Inbound
				Upbound	
2430 asphalt, tar & pitch	0	---	0	---	---
2540 petroleum coke	31	---	0	31	---
2640 liquid natural gas	0	---	0	---	---
Total chemicals and related products	16	0	16	---	---
Subtotal fertilizers	1	---	1	---	---
3110 nitrogenous fert.	1	---	1	---	---
3190 fert. & mixes nec	0	---	0	---	---
Subtotal other chemicals and related products	15	0	15	---	---
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 - inorg. comp.	0	---	0	---	---
3260 organic comp. nec	0	---	0	---	---
3272 sulphuric acid	0	---	0	---	---
3273 ammonia	0	---	0	---	---
3274 sodium hydroxide	1	---	1	---	---
3275 inorg. elem., oxides, & halogen salts	2	---	2	---	---
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	2	0	2	---	---
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	---	---
3299 chem. products nec	2	---	2	---	---
Total crude materials, inedible except fuels	13	0	12	---	---
Subtotal forest products, wood and chips	8	0	8	---	---
4110 rubber & gums	0	---	0	---	---
4170 wood in the rough	0	---	0	---	---
4189 lumber	8	0	8	---	---
4190 forest products nec	0	---	0	---	---
Subtotal pulp and waste paper	0	---	0	---	---
4225 pulp & waste paper	0	---	0	---	---
Subtotal soil, sand, gravel, rock and stone	1	---	1	---	---
4310 building stone	0	---	0	---	---
4323 gypsum	0	---	0	---	---
4331 sand & gravel	1	---	1	---	---
Subtotal iron ore and scrap	0	---	0	---	---
4420 iron & steel scrap	0	---	0	---	---
Subtotal marine shells	0	0	---	---	---
4515 marine shells	0	0	---	---	---
Subtotal non-ferrous ores and scrap	0	0	0	---	---
4680 non-ferrous scrap	0	0	0	---	---
4690 non-ferrous ores nec	0	---	0	---	---
Subtotal sulphur, clay and salt	2	---	2	---	---
4782 clay & refrac. mat.	2	---	2	---	---
Subtotal other non-metal. min.	1	---	1	---	---
4900 non-metal. min. nec	1	---	1	---	---
Total primary manufactured goods	39	1	39	---	---
Subtotal paper products	7	---	7	---	---
5110 newsprint	0	---	0	---	---
5120 paper & paperboard	3	---	3	---	---
5190 paper products nec	3	---	3	---	---
Subtotal lime, cement and glass	14	0	14	---	---
5210 lime	0	---	0	---	---
5220 cement & concrete	6	---	6	---	---
5240 glass & glass prod.	1	0	1	---	---
5290 misc. mineral prod.	7	0	7	---	---
Subtotal primary iron and steel products	6	---	6	---	---
5312 pig iron	0	---	0	---	---
5315 ferro alloys	0	---	0	---	---
5320 i&s primary forms	0	---	0	---	---
5330 i&s plates & sheets	2	---	2	---	---
5360 i&s bars & shapes	3	---	3	---	---
5370 i&s pipe & tube	1	---	1	---	---
5390 primary i&s nec	0	---	0	---	---
Subtotal primary non-ferrous metal products	8	0	8	---	---
5421 copper	1	---	1	---	---
5422 aluminum	1	---	1	---	---
5429 smelted prod. nec	0	---	0	---	---
5480 fab. metal products	5	0	5	---	---

MIAMI RIVER, FL (INCLUDED IN TRAFFIC OF MIAMI HARBOR, FL)
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports*	Exports*	Exports	Internal
					Inbound
					Upbound
Subtotal primary wood products	4	0	4	---	---
5540 primary wood prod.	4	0	4	---	---
Total food and farm products	132	5	127	---	1
Subtotal fish	4	3	0	---	1
6134 fish (not shellfish)	1	0	0	---	0
6136 shellfish	3	3	0	---	0
Subtotal grain	28	---	28	---	---
6344 corn	0	---	0	---	---
6442 rice	27	---	27	---	---
6443 barley & rye	0	---	0	---	---
Subtotal oilseeds	0	---	0	---	---
6521 peanuts	0	---	0	---	---
6590 oilseeds nec	0	---	0	---	---
Subtotal vegetable products	26	0	26	---	---
6653 vegetable oils	13	---	13	---	---
6654 vegetables & prod.	12	0	12	---	---
Subtotal processed grain and animal feed	40	0	40	---	---
6746 wheat flour	33	---	33	---	---
6747 grain mill products	4	0	4	---	---
6782 animal feed, prep.	2	---	2	---	---
Subtotal other agricultural products	35	1	34	---	---
6811 meat, fresh, frozen	7	---	7	---	---
6817 meat, prepared	1	---	1	---	---
6822 dairy products	1	---	1	---	---
6835 fish, prepared	0	0	0	---	---
6838 tallow, animal oils	0	---	0	---	---
6839 animals & prod. nec	0	---	0	---	---
6857 fruit & nuts nec	2	---	2	---	---
6858 fruit juices	6	0	6	---	---
6861 sugar	1	---	1	---	---
6871 coffee	1	0	0	---	---
6872 cocoa beans	0	---	0	---	---
6885 alcoholic beverages	2	0	2	---	---
6888 water & ice	0	---	0	---	---
6889 food products nec	11	0	11	---	---
6891 tobacco & products	1	0	1	---	---
6893 cotton	1	---	1	---	---
6899 farm products nec	1	0	1	---	---
Total all manufactured equipment, machinery and products	97	19	78	---	---
7110 machinery (not elec)	9	0	9	---	---
7120 electrical machinery	11	0	11	---	---
7210 vehicles & parts	9	0	9	---	---
7220 aircraft & parts	0	---	0	---	---
7230 ships & boats	0	0	0	---	---
7300 ordnance & access.	0	0	0	---	---
7400 manufac. wood prod.	2	0	2	---	---
7500 textile products	53	18	35	---	---
7600 rubber & plastic pr.	5	0	5	---	---
7900 manufac. prod. nec	7	1	7	---	---
Total unknown or not elsewhere classified	11	0	11	---	---
9900 unknown or nec	11	0	11	---	---
Ton-miles (x1000)	1,031	74	861	94	1

Tons All Traffic (x1000) **344**
Ton-miles All Traffic (x1000) **1,031**

*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 4 (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
1990	305	1993	441	1996	267	1999	530
1991	8	1994	664	1997	317		
1992	1	1995	293	1998	544		

Freight Traffic, 1999 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Downbnd
Total, all commodities	530	530	
Total petroleum and petroleum products	528	528	
Subtotal petroleum products	528	528	
2340 residual fuel oil	528	528	
Total food and farm products	1	1	
Subtotal fish	1	1	
6134 fish (not shellfish)	1	1	
6136 shellfish	0	0	
Ton-miles (x1000)	12,698	12,698	
Tons All Traffic (x1000)	530		
Ton-miles All Traffic (x1000)	12,718		

Other Harbors and Waterways 1999 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
MELBOURNE HARBOR, FL - continued	6136 shellfish	2
	Total Tons(x1000)	3
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	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
RICE CREEK, FL	2340 residual fuel oil	177
	Total Tons(x1000)	177
	Total Ton-miles(x1000)	707
ST. AUGUSTINE HARBOR, FL	3293 explosives	0
	5290 misc. mineral prod.	2
	5360 i&s bars & shapes	1
	5480 fab. metal products	1
	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	5
ST. LUCIE INLET, FL	6134 fish (not shellfish)	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	5

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
1990	4,168	1993	3,784	1996	4,275	1999	3,380
1991	4,708	1994	3,709	1997	3,590		
1992	3,705	1995	3,597	1998	3,803		

Freight Traffic, 1999 (thousand short tons)

Commodity	Total	Coastwise	
		Through	
		Upbound	Downbnd
Total, all commodities	54	29	25
Total petroleum and petroleum products	5	5	—
Subtotal petroleum products	5	5	—
2340 residual fuel oil	5	5	—
Total primary manufactured goods	15	12	3
Subtotal primary iron and steel products	0	—	0
5370 i&s pipe & tube	0	—	0
Subtotal primary non-ferrous metal products	14	12	3
5480 fab. metal products	14	12	3
Total all manufactured equipment, machinery and products	35	13	22
7120 electrical machinery	0	—	0
7210 vehicles & parts	11	0	11
7230 ships & boats	0	—	0
7500 textile products	1	—	1
7600 rubber & plastic pr.	0	—	0
7900 manufac. prod. nec	23	13	10
Ton-miles (x1000) Coastwise	35,881	17,991	17,890

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	3,325	166	834	4	2	1,055	1,263	1	1
Total petroleum and petroleum products	701	99	52	—	—	462	88	—	—
Subtotal petroleum products	701	99	52	—	—	462	88	—	—
2211 gasoline	67	18	39	—	—	3	6	—	—
2330 distillate fuel oil	74	—	2	—	—	48	23	—	—
2340 residual fuel oil	560	81	11	—	—	410	58	—	—
2540 petroleum coke	0	—	—	—	—	—	0	—	—
Total chemicals and related products	1,694	58	—	2	—	566	1,069	—	—
Subtotal fertilizers	1,122	—	—	2	—	139	982	—	—
3110 nitrogenous fert.	57	—	—	2	—	24	32	—	—
3120 phosphatic fert.	1,058	—	—	—	—	108	950	—	—
3190 fert. & mixes nec	7	—	—	—	—	7	—	—	—
Subtotal other chemicals and related products	572	58	—	—	—	427	87	—	—
3271 sulphur (liquid)	360	—	—	—	—	360	—	—	—
3272 sulphuric acid	67	—	—	—	—	67	—	—	—
3274 sodium hydroxide	58	58	—	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	87	—	—	—	—	—	87	—	—
3293 explosives	0	—	—	—	—	0	—	—	—

ATLANTIC INTRACOASTAL WATERWAY (CONSOLIDATED REPORT) BETWEEN NORFOLK, VA AND THE ST. JOHNS RIVER, FL
 Freight Traffic, 1999 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total crude materials, inedible except fuels	837	---	760	---	---	3	74	---	---
Subtotal pulp and waste paper	75	---	---	---	---	1	74	---	---
4225 pulp & waste paper	75	---	---	---	---	1	74	---	---
Subtotal soil, sand, gravel, rock and stone	760	---	760	---	---	---	---	---	---
4331 sand & gravel	760	---	760	---	---	---	---	---	---
Subtotal sulphur, clay and salt	1	---	---	---	---	1	---	---	---
4782 clay & refrac. mat.	1	---	---	---	---	1	---	---	---
Total primary manufactured goods	31	---	---	0	---	21	10	---	---
Subtotal paper products	7	---	---	---	---	7	---	---	---
5120 paper & paperboard	0	---	---	---	---	0	---	---	---
5190 paper products nec	7	---	---	---	---	7	---	---	---
Subtotal lime, cement and glass	12	---	---	0	---	11	1	---	---
5290 misc. mineral prod.	12	---	---	0	---	11	1	---	---
Subtotal primary iron and steel products	4	---	---	---	---	1	3	---	---
5360 i&s bars & shapes	3	---	---	---	---	1	2	---	---
5370 i&s pipe & tube	0	---	---	---	---	---	0	---	---
5390 primary i&s nec	0	---	---	---	---	---	0	---	---
Subtotal primary non-ferrous metal products	7	---	---	---	---	2	5	---	---
5422 aluminum	1	---	---	---	---	---	1	---	---
5480 fab. metal products	5	---	---	---	---	2	4	---	---
Subtotal primary wood products	1	---	---	---	---	---	1	---	---
5540 primary wood prod.	1	---	---	---	---	---	1	---	---
Total food and farm products	55	8	21	2	2	3	17	1	1
Subtotal fish	53	8	21	---	2	3	17	1	1
6134 fish (not shellfish)	16	1	6	---	0	1	8	0	0
6136 shellfish	37	8	15	---	2	2	9	1	1
Subtotal oilseeds	2	---	---	2	---	---	---	---	---
6522 soybeans	2	---	---	2	---	---	---	---	---
Total all manufactured equipment, machinery and products	7	---	0	---	---	1	6	---	---
7110 machinery (not elec)	1	---	---	---	---	0	1	---	---
7210 vehicles & parts	0	---	---	---	---	0	---	---	---
7900 manufac. prod. nec	6	---	0	---	---	0	6	---	---
Ton-miles Internal (x1000)	168,782	9,693	5,711	208	244	76,317	76,549	21	39
Tons All Traffic (x1000)				3,380					
Ton-miles All Traffic (x1000)				204,721					

Section 2

Trips and Drafts of Vessels

Trips and Drafts of Vessels, 1999
(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	136	—	2	75	—	59	129	—	3	75	—	51	
DOMESTIC													
Total	136	—	2	75	—	59	129	—	3	75	—	51	
33	1	—	1	—	—	—	—	—	—	—	—	—	
28	1	—	—	—	—	1	—	—	—	—	—	—	
27	3	—	—	—	—	3	—	—	—	—	—	—	
26	6	—	—	—	—	6	1	—	—	—	—	1	
25	1	—	—	—	—	1	2	—	—	—	—	1	
24	1	—	—	—	—	1	—	—	1	—	—	—	
23	3	—	—	—	—	3	—	—	—	—	—	—	
22	4	—	—	—	—	4	—	—	—	—	—	—	
21	10	—	—	—	—	10	—	—	—	—	—	—	
20	6	—	—	—	—	6	—	—	—	—	—	—	
19	1	—	—	—	—	1	—	—	—	—	—	—	
18	2	—	—	—	—	2	1	—	—	—	—	1	
17	3	—	—	—	—	3	4	—	—	—	—	4	
16	3	—	—	—	—	3	15	—	—	4	—	11	
15	14	—	1	12	—	1	12	—	1	8	—	3	
14	29	—	—	28	—	1	21	—	—	18	—	3	
13	22	—	—	22	—	—	30	—	—	29	—	1	
12	7	—	—	7	—	—	11	—	—	10	—	1	
11	3	—	—	3	—	—	3	—	—	3	—	—	
10	1	—	—	1	—	—	—	—	—	—	—	—	
9	—	—	—	—	—	—	1	—	—	1	—	—	
8	—	—	—	—	—	—	1	—	—	—	—	1	
6	2	—	—	—	—	2	1	—	—	—	—	1	
5	—	—	—	—	—	—	6	—	—	—	—	6	
4	1	—	—	—	—	1	11	—	1	—	—	10	
3	10	—	—	—	—	10	7	—	—	—	—	7	
2	2	—	—	2	—	2	2	—	—	2	—	—	
										Total trips:		265	

PENOBSCOT RIVER, ME													
			Upbound						Downbound				
Grand Total	178	2	21	83	1	71	172	3	16	82	—	71	
FOREIGN													
Total	23	2	17	2	1	1	20	3	13	2	—	2	
33	9	—	9	—	—	—	5	—	5	—	—	—	
32	1	—	1	—	—	—	2	—	2	—	—	—	
29	1	—	1	—	—	—	1	—	1	—	—	—	
28	1	—	1	—	—	—	—	—	—	—	—	—	
27	—	—	—	—	—	—	2	2	—	—	—	—	
26	1	—	1	—	—	—	1	—	1	—	—	—	
25	3	—	3	—	—	—	3	—	3	—	—	—	
24	1	—	1	—	—	—	1	—	1	—	—	—	
22	3	2	—	—	—	1	2	1	—	—	—	1	
16	1	—	—	1	—	—	—	—	—	—	—	—	
15	—	—	—	—	—	—	1	—	—	1	—	—	
14	1	—	—	1	—	—	—	—	—	1	—	—	
≤ 12	1	—	—	—	1	—	1	—	—	—	—	1	
DOMESTIC													
Total	155	—	4	81	—	70	152	—	3	80	—	69	
33	1	—	1	—	—	—	—	—	—	—	—	—	
28	1	—	—	—	—	1	—	—	—	—	—	—	
27	3	—	—	—	—	3	—	—	—	—	—	—	
26	6	—	—	—	—	6	1	—	—	—	—	1	
25	1	—	—	—	—	1	2	—	1	—	—	1	
24	1	—	—	—	—	1	—	—	—	—	—	—	
23	3	—	—	—	—	3	—	—	—	—	—	—	
22	4	—	—	—	—	4	—	—	—	—	—	—	
21	10	—	—	—	—	10	—	—	—	—	—	—	
20	6	—	—	—	—	6	—	—	—	—	—	—	
19	1	—	—	—	—	1	—	—	—	—	—	—	
18	2	—	—	—	—	2	1	—	—	—	—	1	
17	4	—	—	—	—	4	4	—	—	—	—	4	
16	20	—	—	—	—	20	4	—	—	4	—	—	
15	19	—	3	12	—	4	9	—	—	8	—	1	

Trips and Drafts of Vessels, 1999
(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					
DOMESTIC												
14	31	—	—	28	—	3	19	—	—	18	—	1
13	22	—	—	22	—	—	30	—	—	29	—	1
≤ 12	20	—	—	19	—	1	82	—	2	21	—	59
Total trips:											350	

SEARSPORT HARBOR, ME

Inbound							Outbound					
Grand Total	302	97	34	133	6	32	262	62	32	131	4	33

FOREIGN

Total	138	97	31	4	2	4	97	62	29	2	1	3
35	3	1	2	—	—	—	3	1	2	—	—	—
34	8	3	5	—	—	—	7	2	5	—	—	—
33	9	4	5	—	—	—	8	4	4	—	—	—
32	6	2	4	—	—	—	7	3	4	—	—	—
31	4	1	3	—	—	—	7	4	3	—	—	—
30	4	4	—	—	—	—	1	1	—	—	—	—
29	2	1	1	—	—	—	3	2	1	—	—	—
28	5	3	2	—	—	—	2	—	2	—	—	—
27	5	4	1	—	—	—	6	5	1	—	—	—
26	9	4	4	—	—	1	8	4	3	—	—	1
25	8	8	—	—	—	—	5	5	—	—	—	—
24	10	5	4	—	1	—	9	5	4	—	—	—
23	7	6	—	—	—	1	4	4	—	—	—	—
22	6	3	—	1	—	2	5	3	—	1	—	1
21	1	1	—	—	—	—	2	2	—	—	—	—
20	3	3	—	—	—	—	2	2	—	—	—	—
19	1	1	—	—	—	—	2	2	—	—	—	—
≤ 18	47	43	—	3	1	—	16	13	—	1	1	1

DOMESTIC

Total	164	—	3	129	4	28	165	—	3	129	3	30
36	1	—	1	—	—	—	1	—	1	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
32	1	—	—	1	—	—	1	—	—	1	—	—
31	1	—	—	—	—	1	1	—	—	—	—	1
30	1	—	—	—	—	—	—	—	—	—	—	—
29	1	—	—	—	—	1	1	—	1	—	—	—
27	3	—	—	—	—	3	—	—	—	—	—	—
26	6	—	—	—	—	6	2	—	—	—	—	2
25	4	—	—	—	—	4	1	—	1	—	—	—
24	2	—	1	—	—	1	—	—	—	—	—	—
23	1	—	—	—	—	1	—	—	—	—	—	—
22	—	—	—	—	—	—	2	—	—	—	—	2
21	1	—	—	—	—	1	—	—	—	—	—	—
20	3	—	—	—	3	—	1	—	—	—	—	1
19	2	—	—	—	1	1	1	—	—	—	—	1
≤ 18	136	—	—	128	—	8	154	—	—	128	3	23
Total trips:											564	

PORTLAND HARBOR, ME

Upbound							Downbound					
Grand Total	17,979	16,654	331	858	18	118	17,984	16,678	313	856	19	118

FOREIGN

Total	489	152	309	12	3	13	457	145	289	10	4	9
45	29	2	27	—	—	—	1	1	—	—	—	—
44	30	3	27	—	—	—	1	—	1	—	—	—
43	40	4	36	—	—	—	—	—	—	—	—	—
42	25	2	23	—	—	—	1	—	1	—	—	—
41	15	—	15	—	—	—	1	—	1	—	—	—
40	9	—	9	—	—	—	—	—	—	—	—	—
39	8	—	8	—	—	—	—	—	—	—	—	—
38	3	—	3	—	—	—	3	1	2	—	—	—
37	3	—	3	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 1999
(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 - continued

	Upbound						Downbound					
FOREIGN												
36	15	—	15	—	—	—	2	—	2	—	—	—
35	21	1	20	—	—	—	6	2	4	—	—	—
34	28	2	26	—	—	—	6	2	4	—	—	—
33	37	—	37	—	—	—	7	1	6	—	—	—
32	14	1	13	—	—	—	8	3	5	—	—	—
31	9	3	6	—	—	—	3	—	3	—	—	—
30	10	6	4	—	—	—	8	1	7	—	—	—
29	7	2	5	—	—	—	15	3	12	—	—	—
28	7	2	4	—	1	—	64	12	52	—	—	—
27	6	2	4	—	—	—	111	3	108	—	—	—
26	10	3	7	—	—	—	13	1	12	—	—	—
25	18	16	2	—	—	—	13	10	3	—	—	—
24	20	9	7	—	2	2	55	9	44	—	1	1
23	8	3	3	—	—	2	10	2	7	1	—	—
22	16	8	4	2	—	2	12	2	7	1	1	1
21	3	1	1	—	—	1	8	4	4	—	—	—
20	4	3	—	1	—	—	4	3	—	—	—	1
19	8	8	—	—	—	—	6	6	—	—	—	—
≤ 18	86	71	—	9	—	6	99	79	4	8	2	6

DOMESTIC

Total	17,490	16,502	22	846	15	105	17,527	16,533	24	846	15	109
36	1	—	1	—	—	—	—	—	—	—	—	—
35	2	—	2	—	—	—	—	—	—	—	—	—
32	1	—	—	—	—	1	—	—	—	—	—	—
31	1	—	1	—	—	—	1	—	1	—	—	—
29	1	—	—	—	—	1	2	—	2	—	—	—
28	2	—	—	—	—	2	1	—	—	—	—	1
27	1	—	1	—	—	—	—	—	—	—	—	—
26	3	—	1	—	—	2	1	—	1	—	—	—
25	3	—	—	—	—	3	2	—	1	—	—	1
24	7	—	—	—	—	7	3	—	3	—	—	—
23	6	—	—	—	—	6	—	—	—	—	—	—
22	13	—	—	—	—	13	1	—	—	—	—	1
21	9	—	—	2	1	6	3	—	—	2	—	1
20	20	—	—	—	9	11	5	—	—	—	2	3
19	9	—	—	—	3	6	1	—	—	—	—	1
≤ 18	17,411	16,502	16	844	2	47	17,507	16,533	16	844	13	101
Total trips:											35,963	

PORTSMOUTH HARBOR, NH

	Upbound						Downbound					
Grand Total	928	692	98	54	12	72	903	692	86	51	10	64
FOREIGN												
Total	190	77	92	10	1	10	177	77	81	8	3	8
36	4	—	4	—	—	—	—	—	—	—	—	—
35	16	4	12	—	—	—	—	—	—	—	—	—
34	48	28	20	—	—	—	2	1	1	—	—	—
33	22	10	12	—	—	—	—	—	1	—	—	—
32	10	5	4	—	—	1	1	—	1	—	—	—
31	8	4	4	—	—	—	3	1	2	—	—	—
30	8	3	5	—	—	—	6	4	2	—	—	—
29	5	2	3	—	—	—	7	2	5	—	—	—
28	6	—	6	—	—	—	11	5	6	—	—	—
27	2	—	2	—	—	—	7	—	7	—	—	—
26	6	—	6	—	—	—	16	5	11	—	—	—
25	5	2	3	—	—	—	13	8	5	—	—	—
24	10	3	2	2	—	3	50	17	30	—	—	3
23	6	—	5	—	—	1	6	4	2	—	—	—
22	4	1	3	—	—	—	6	3	3	—	—	—
21	2	1	1	—	—	—	7	4	3	—	—	—
20	6	4	—	1	—	1	5	4	1	—	—	—
19	2	1	—	—	—	1	5	4	1	—	—	—
≤ 18	20	9	—	7	1	3	31	15	—	8	3	5

Trips and Drafts of Vessels, 1999
(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

DOMESTIC

Total	738	615	6	44	11	62	726	615	5	43	7	56
36	1	—	1	—	—	—	—	—	—	—	—	—
35	2	—	1	—	—	1	—	—	—	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
32	1	—	—	1	—	—	—	—	—	—	—	—
30	2	—	1	—	—	1	—	—	—	—	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
28	4	—	—	—	—	4	—	—	—	—	—	—
27	3	—	1	—	—	2	—	—	—	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
25	3	—	—	—	—	3	—	—	—	—	—	—
24	5	—	—	—	—	5	1	—	1	—	—	—
23	3	—	—	—	—	3	2	—	—	—	—	2
22	11	—	—	—	—	11	—	—	—	—	—	—
21	3	—	—	—	—	3	1	—	1	—	—	—
20	5	—	—	—	1	4	—	—	—	—	—	—
19	4	—	—	—	3	1	—	—	—	—	—	—
≤ 18	688	615	1	43	7	22	722	615	3	43	7	54
										Total trips:		1,831

SALEM HARBOR, MA

Inbound

Outbound

Grand Total	86	26	5	17	—	38	74	18	6	14	1	35
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FOREIGN

Total	31	26	5	—	—	—	23	17	6	—	—	—
34	13	13	—	—	—	—	5	5	—	—	—	—
33	1	1	—	—	—	—	—	—	—	—	—	—
32	2	1	1	—	—	—	—	—	—	—	—	—
31	2	1	1	—	—	—	—	—	—	—	—	—
30	1	—	1	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	4	3	1	—	—	—
26	4	3	1	—	—	—	6	4	2	—	—	—
25	1	—	1	—	—	—	4	2	2	—	—	—
24	1	1	—	—	—	—	3	2	1	—	—	—
≤ 18	6	6	—	—	—	—	1	1	—	—	—	—

DOMESTIC

Total	55	—	—	17	—	38	51	1	—	14	1	35
28	1	—	—	—	—	1	—	—	—	—	—	—
27	1	—	—	—	—	1	—	—	—	—	—	—
26	8	—	—	—	—	8	—	—	—	—	—	—
25	5	—	—	—	—	5	—	—	—	—	—	—
24	4	—	—	—	—	4	—	—	—	—	—	—
23	1	—	—	—	—	1	—	—	—	—	—	—
21	3	—	—	2	—	1	2	—	—	2	—	—
19	1	—	—	—	—	1	1	1	—	—	—	—
≤ 18	31	—	—	15	—	16	48	—	—	12	1	35
										Total trips:		160

PORT OF BOSTON, MA

Inbound

Outbound

Grand Total	9,877	7,978	387	434	180	898	9,831	8,004	378	398	164	887
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FOREIGN

Total	865	481	363	12	7	2	846	471	361	7	2	5
42	2	2	—	—	—	—	2	2	—	—	—	—
40	5	2	3	—	—	—	4	1	3	—	—	—
39	5	3	2	—	—	—	2	1	1	—	—	—
38	31	13	18	—	—	—	10	6	4	—	—	—
37	30	24	6	—	—	—	19	18	1	—	—	—
36	69	21	48	—	—	—	28	16	12	—	—	—
35	54	25	29	—	—	—	22	17	5	—	—	—
34	38	17	21	—	—	—	42	25	17	—	—	—

Trips and Drafts of Vessels, 1999
(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 - continued												
	Inbound						Outbound					
FOREIGN												
33	59	13	46	—	—	—	32	17	15	—	—	—
32	39	10	29	—	—	—	26	16	10	—	—	—
31	20	7	13	—	—	—	12	6	6	—	—	—
30	10	6	4	—	—	—	14	8	6	—	—	—
29	22	9	13	—	—	—	13	7	6	—	—	—
28	11	7	4	—	—	—	18	6	12	—	—	—
27	31	23	8	—	—	—	27	22	5	—	—	—
26	54	40	12	2	—	—	44	28	15	1	—	—
25	48	39	8	—	1	—	50	34	16	—	—	—
24	47	21	25	—	1	—	144	24	120	—	—	—
23	67	15	52	—	—	—	73	9	64	—	—	—
22	27	24	2	—	—	1	34	27	7	—	—	—
21	10	9	1	—	—	—	21	15	6	—	—	—
20	25	21	2	1	1	—	33	27	5	—	—	1
19	9	9	—	—	—	—	7	7	—	—	—	—
≤ 18	152	121	17	9	4	1	169	132	25	6	2	4
DOMESTIC												
Total	9,012	7,497	24	422	173	896	8,985	7,533	17	391	162	882
39	1	—	1	—	—	—	—	—	—	—	—	—
38	1	—	1	—	—	—	—	—	—	—	—	—
37	1	—	1	—	—	—	—	—	—	—	—	—
36	4	—	4	—	—	—	7	7	—	—	—	—
35	4	—	2	—	—	2	4	4	—	—	—	—
34	—	—	—	—	—	—	6	6	—	—	—	—
33	2	—	2	—	—	—	1	1	—	—	—	—
32	3	1	2	—	—	—	3	—	1	—	1	1
31	2	—	2	—	—	—	2	1	1	—	—	—
30	—	—	—	—	—	—	19	19	—	—	—	—
29	12	—	—	—	—	12	4	—	2	—	—	2
28	6	—	—	—	—	6	2	—	—	—	—	2
27	30	—	—	—	28	2	1	—	—	—	—	1
26	15	—	—	—	4	11	2	—	—	—	1	1
25	33	—	—	—	1	32	5	—	—	—	—	5
24	33	—	—	—	3	30	5	—	1	—	1	3
23	41	—	—	—	5	36	7	—	—	1	—	6
22	43	—	—	—	3	40	2	—	—	—	—	2
21	30	—	—	4	1	25	9	—	2	2	1	4
20	53	—	—	2	3	48	10	—	2	—	3	5
19	14	—	—	—	1	13	5	—	—	—	3	2
≤ 18	8,684	7,496	9	416	124	639	8,891	7,495	8	388	152	848
										Total trips:		19,708

MAIN WATERFRONT (PORT OF BOSTON)

Grand Total	Upbound						Downbound					
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
	6,581	6,257	73	132	50	69	7,002	6,639	70	145	37	111
FOREIGN												
Total	415	330	72	8	5	—	396	321	68	4	—	3
42	2	2	—	—	—	—	2	2	—	—	—	—
40	2	2	—	—	—	—	1	1	—	—	—	—
39	3	3	—	—	—	—	1	1	—	—	—	—
38	10	9	1	—	—	—	4	4	—	—	—	—
37	21	20	1	—	—	—	17	17	—	—	—	—
36	22	18	4	—	—	—	16	14	2	—	—	—
35	32	23	9	—	—	—	16	16	—	—	—	—
34	21	17	4	—	—	—	25	24	1	—	—	—
33	25	13	12	—	—	—	19	17	2	—	—	—
32	17	10	7	—	—	—	15	14	1	—	—	—
31	8	7	1	—	—	—	7	5	2	—	—	—
30	7	5	2	—	—	—	9	6	3	—	—	—
29	9	7	2	—	—	—	7	6	1	—	—	—
28	3	3	—	—	—	—	3	3	—	—	—	—
27	9	8	1	—	—	—	4	3	1	—	—	—
26	25	18	5	2	—	—	20	13	6	1	—	—
25	21	19	2	—	—	—	22	18	4	—	—	—
24	8	3	4	—	1	—	29	7	22	—	—	—
23	4	3	1	—	—	—	3	1	2	—	—	—
22	20	20	—	—	—	—	22	20	2	—	—	—
21	3	2	1	—	—	—	4	4	—	—	—	—

Trips and Drafts of Vessels, 1999
(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												
20	13	12	1	—	—	—	20	17	2	—	—	1
19	2	2	—	—	—	—	1	1	—	—	—	—
≤ 18	128	104	14	6	4	—	129	107	17	3	—	2
DOMESTIC												
Total	6,166	5,927	1	124	45	69	6,606	6,318	2	141	37	108
36	—	—	—	—	—	—	7	7	—	—	—	—
35	—	—	—	—	—	—	4	4	—	—	—	—
34	—	—	—	—	—	—	6	6	—	—	—	—
33	1	—	1	—	—	—	1	1	—	—	—	—
32	1	1	—	—	—	—	1	—	—	—	1	—
31	—	—	—	—	—	—	1	1	—	—	—	—
30	—	—	—	—	—	—	19	19	—	—	—	—
24	1	—	—	—	—	1	—	—	—	—	—	—
23	2	—	—	—	1	1	1	—	—	1	—	—
21	1	—	—	—	—	1	1	—	1	—	—	—
20	—	—	—	—	—	—	2	—	1	—	1	—
≤ 18	6,160	5,926	—	124	44	66	6,563	6,280	—	140	35	108
										Total trips:		13,583

CHELSEA RIVER, MA

	Upbound						Downbound					
Grand Total	829	12	161	210	4	442	802	11	164	197	3	427
FOREIGN												
Total	167	12	149	3	1	2	169	11	156	1	—	1
38	19	4	15	—	—	—	6	2	4	—	—	—
37	8	4	4	—	—	—	1	—	1	—	—	—
36	17	—	17	—	—	—	4	—	4	—	—	—
35	12	2	10	—	—	—	2	1	1	—	—	—
34	11	—	11	—	—	—	5	—	5	—	—	—
33	22	—	22	—	—	—	6	—	6	—	—	—
32	18	—	18	—	—	—	5	1	4	—	—	—
31	12	—	12	—	—	—	4	—	4	—	—	—
30	2	—	2	—	—	—	1	—	1	—	—	—
29	6	—	6	—	—	—	—	—	—	—	—	—
28	4	—	4	—	—	—	3	—	3	—	—	—
27	4	—	4	—	—	—	2	1	1	—	—	—
26	3	—	3	—	—	—	7	—	7	—	—	—
25	5	—	4	—	1	—	7	1	6	—	—	—
24	15	1	14	—	—	—	85	1	84	—	—	—
23	1	—	1	—	—	—	11	1	10	—	—	—
22	3	—	2	—	—	1	4	—	4	—	—	—
21	—	—	—	—	—	—	6	1	5	—	—	—
20	—	—	—	—	—	—	3	1	2	—	—	—
19	1	1	—	—	—	—	—	—	—	—	—	—
≤ 18	4	—	—	3	—	1	7	1	4	1	—	1
DOMESTIC												
Total	662	—	12	207	3	440	633	—	8	196	3	426
38	1	—	1	—	—	—	—	—	—	—	—	—
36	1	—	1	—	—	—	—	—	—	—	—	—
35	3	—	1	—	—	2	—	—	—	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
32	—	—	—	—	—	—	1	—	—	—	—	1
31	2	—	2	—	—	—	—	—	—	—	—	—
29	7	—	—	—	—	7	3	—	2	—	—	1
28	4	—	—	—	—	4	2	—	—	—	—	2
27	2	—	—	—	2	—	—	—	—	—	—	—
26	3	—	—	—	—	3	—	—	—	—	—	—
25	21	—	—	—	—	21	2	—	—	—	—	2
24	21	—	—	—	—	21	1	—	—	—	—	1
23	27	—	—	—	—	27	3	—	—	—	—	3
22	37	—	—	—	—	37	1	—	—	—	—	1
21	22	—	—	2	—	20	4	—	—	2	—	2
20	42	—	—	—	—	42	3	—	—	—	—	3
19	9	—	—	—	—	9	2	—	—	—	1	1
≤ 18	459	—	6	205	1	247	611	—	6	194	2	409
										Total trips:		1,631

Trips and Drafts of Vessels, 1999
(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
MYSTIC RIVER, MA												
			Upbound					Downbound				
Grand Total	442	98	46	65	125	108	424	97	44	63	124	96
FOREIGN												
Total	141	98	41	1	1	---	138	97	41	---	---	---
40	3	---	3	---	---	---	3	---	3	---	---	---
39	1	---	1	---	---	---	1	---	1	---	---	---
37	---	---	---	---	---	---	1	1	---	---	---	---
36	16	2	14	---	---	---	8	2	6	---	---	---
35	5	---	5	---	---	---	4	---	4	---	---	---
34	2	---	2	---	---	---	9	1	8	---	---	---
33	12	---	12	---	---	---	7	---	7	---	---	---
32	3	---	3	---	---	---	5	1	4	---	---	---
31	---	---	---	---	---	---	1	1	---	---	---	---
30	1	1	---	---	---	---	3	2	1	---	---	---
29	3	2	1	---	---	---	4	1	3	---	---	---
28	4	4	---	---	---	---	7	3	4	---	---	---
27	15	15	---	---	---	---	18	18	---	---	---	---
26	22	22	---	---	---	---	15	15	---	---	---	---
25	20	20	---	---	---	---	15	15	---	---	---	---
24	17	17	---	---	---	---	16	16	---	---	---	---
23	9	9	---	---	---	---	3	3	---	---	---	---
22	2	2	---	---	---	---	5	5	---	---	---	---
21	4	4	---	---	---	---	7	7	---	---	---	---
20	2	---	---	1	1	---	1	1	---	---	---	---
≤ 18	---	---	---	---	---	---	5	5	---	---	---	---
DOMESTIC												
Total	301	---	5	64	124	108	286	---	3	63	124	96
37	1	---	1	---	---	---	---	---	---	---	---	---
36	2	---	2	---	---	---	---	---	---	---	---	---
32	2	---	2	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	1	---	1	---	---	---
29	5	---	---	---	---	5	---	---	---	---	---	---
28	2	---	---	---	---	2	---	---	---	---	---	---
27	28	---	---	---	26	2	---	---	---	---	---	---
26	10	---	---	---	4	6	1	---	---	---	1	---
25	8	---	---	---	1	7	2	---	---	---	---	2
24	7	---	---	---	3	4	2	---	1	---	1	---
23	6	---	---	---	4	2	---	---	---	---	---	---
22	5	---	---	---	3	2	---	---	---	---	---	---
21	5	---	---	2	1	2	1	---	---	---	1	---
20	11	---	---	2	3	6	4	---	1	---	2	1
19	4	---	---	---	2	2	2	---	---	---	2	---
≤ 18	205	---	---	60	77	68	273	---	---	63	117	93
										Total trips:		866
WEYMOUTH FORE RIVER, MA												
			Upbound					Downbound				
Grand Total	276	1	36	39	---	200	259	---	30	33	---	196
FOREIGN												
Total	33	1	32	---	---	---	27	---	27	---	---	---
39	1	---	1	---	---	---	---	---	---	---	---	---
38	2	---	2	---	---	---	---	---	---	---	---	---
37	1	---	1	---	---	---	---	---	---	---	---	---
36	14	1	13	---	---	---	---	---	---	---	---	---
35	5	---	5	---	---	---	---	---	---	---	---	---
34	2	---	2	---	---	---	2	---	2	---	---	---
30	---	---	---	---	---	---	1	---	1	---	---	---
28	---	---	---	---	---	---	5	---	5	---	---	---
27	2	---	2	---	---	---	2	---	2	---	---	---
26	2	---	2	---	---	---	1	---	1	---	---	---
25	---	---	---	---	---	---	4	---	4	---	---	---
24	4	---	4	---	---	---	8	---	8	---	---	---
23	---	---	---	---	---	---	2	---	2	---	---	---
22	---	---	---	---	---	---	1	---	1	---	---	---
≤ 18	---	---	---	---	---	---	1	---	1	---	---	---

Trips and Drafts of Vessels, 1999
(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 - continued

Upbound

Downbound

DOMESTIC

Total	243	---	4	39	---	200	232	---	3	33	---	196
36	1	---	1	---	---	---	---	---	---	---	---	---
35	1	---	1	---	---	---	---	---	---	---	---	---
32	1	---	1	---	---	---	1	---	1	---	---	---
28	1	---	---	---	---	1	1	---	---	---	---	1
25	2	---	---	---	---	2	1	---	---	---	---	1
24	3	---	---	---	---	3	1	---	---	---	---	1
23	3	---	---	---	---	3	---	---	---	---	---	---
22	2	---	---	---	---	2	---	---	---	---	---	---
21	1	---	---	---	---	1	1	---	1	---	---	---
20	3	---	---	---	---	3	1	---	---	---	---	1
19	2	---	---	---	---	2	---	---	---	---	---	---
≤ 18	223	---	1	39	---	183	226	---	1	33	---	192
Total trips:											535	

TOWN RIVER, MA

Upbound

Downbound

Grand Total	97	1	18	13	---	65	95	2	20	12	---	61
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FOREIGN

Total	17	1	16	---	---	---	20	2	18	---	---	---
34	2	---	2	---	---	---	1	---	1	---	---	---
32	1	---	1	---	---	---	1	---	1	---	---	---
29	4	---	4	---	---	---	2	---	2	---	---	---
27	1	---	1	---	---	---	1	---	1	---	---	---
26	2	---	2	---	---	---	1	---	1	---	---	---
25	2	---	2	---	---	---	2	---	2	---	---	---
24	3	---	3	---	---	---	6	---	6	---	---	---
23	---	---	---	---	---	---	1	---	1	---	---	---
20	1	---	1	---	---	---	1	---	1	---	---	---
18	---	---	---	---	---	---	1	---	1	---	---	---
17	1	1	---	---	---	---	2	2	---	---	---	---
≤ 12	---	---	---	---	---	---	1	---	1	---	---	---

DOMESTIC

Total	80	---	2	13	---	65	75	---	2	12	---	61
26	1	---	---	---	---	1	---	---	---	---	---	---
25	4	---	---	---	---	4	---	---	---	---	---	---
24	4	---	---	---	---	4	1	---	---	---	---	1
23	3	---	---	---	---	3	1	---	---	---	---	1
22	1	---	---	---	---	1	---	---	---	---	---	---
21	1	---	---	---	---	1	1	---	---	---	---	1
20	---	---	---	---	---	---	1	---	---	---	---	1
19	---	---	---	---	---	---	1	---	---	---	---	1
18	2	---	---	---	---	2	1	---	---	---	---	1
17	24	---	2	---	---	22	4	---	1	---	---	3
16	10	---	---	---	---	10	2	---	---	---	---	2
15	6	---	---	---	---	6	3	---	---	---	---	3
14	1	---	---	---	---	1	1	---	---	---	---	2
13	1	---	---	---	---	1	3	---	---	---	---	1
≤ 12	22	---	---	13	---	9	55	---	1	10	---	44
Total trips:											192	

CAPE COD CANAL, MA

Upbound

Downbound

Grand Total	1,315	123	48	388	157	599	1,338	168	63	393	140	574
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FOREIGN

Total	149	122	21	1	---	5	178	131	35	5	---	7
32	1	---	1	---	---	---	10	1	9	---	---	---
31	1	---	1	---	---	---	2	---	2	---	---	---
29	---	---	---	---	---	---	1	1	---	---	---	---
28	1	---	1	---	---	---	4	1	3	---	---	---
27	9	6	3	---	---	---	8	6	2	---	---	---

Trips and Drafts of Vessels, 1999
(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 - continued												
	Upbound						Downbound					
FOREIGN												
26	25	16	8	1	—	—	24	17	7	—	—	—
25	6	2	4	—	—	—	8	3	3	—	—	2
24	2	2	—	—	—	—	9	6	2	—	—	1
23	6	5	1	—	—	—	4	2	1	—	—	1
22	15	15	—	—	—	—	2	2	—	—	—	—
21	24	24	—	—	—	—	5	5	—	—	—	—
20	7	7	—	—	—	—	17	15	1	—	—	1
19	5	4	1	—	—	—	8	6	2	—	—	—
≤ 18	47	41	1	—	—	5	76	66	3	5	—	2
DOMESTIC												
Total	1,166	1	27	387	157	594	1,160	37	28	388	140	567
32	5	1	3	1	—	—	2	—	—	1	1	—
31	3	—	—	—	—	3	18	16	1	—	—	1
30	2	—	—	—	—	2	21	21	—	—	—	—
29	13	—	—	—	—	13	—	—	—	—	—	—
28	17	—	—	—	—	17	1	—	—	—	—	1
27	45	—	—	—	28	17	—	—	—	—	—	—
26	51	—	—	—	4	47	—	—	—	—	—	—
25	54	—	—	—	1	53	3	—	1	—	—	2
24	38	—	1	—	3	34	1	—	—	—	1	—
23	50	—	—	—	5	45	4	—	—	1	—	3
22	70	—	—	—	3	67	1	—	—	—	—	1
21	52	—	—	6	2	44	7	—	2	2	1	2
20	77	—	—	2	16	59	6	—	—	—	4	2
19	25	—	—	—	5	20	2	—	—	—	1	1
≤ 18	664	—	23	378	90	173	1,094	—	24	384	132	554
										Total trips:		2,653

NEW BEDFORD AND FAIRHAVEN HARBOR, MA

Grand Total	Inbound						Outbound					
	2,643	646	4	1,010	202	781	2,661	645	4	1,010	203	799
FOREIGN												
Total	22	22	—	—	—	—	21	21	—	—	—	—
26	1	1	—	—	—	—	—	—	—	—	—	—
24	1	1	—	—	—	—	—	—	—	—	—	—
22	1	1	—	—	—	—	—	—	—	—	—	—
21	1	1	—	—	—	—	2	2	—	—	—	—
20	1	1	—	—	—	—	1	1	—	—	—	—
19	2	2	—	—	—	—	2	2	—	—	—	—
18	6	6	—	—	—	—	4	4	—	—	—	—
17	2	2	—	—	—	—	3	3	—	—	—	—
16	2	2	—	—	—	—	2	2	—	—	—	—
15	1	1	—	—	—	—	2	2	—	—	—	—
14	2	2	—	—	—	—	1	1	—	—	—	—
13	—	—	—	—	—	—	1	1	—	—	—	—
≤ 12	2	2	—	—	—	—	3	3	—	—	—	—
DOMESTIC												
Total	2,621	624	4	1,010	202	781	2,640	624	4	1,010	203	799
27	1	—	—	—	—	1	—	—	—	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
25	1	—	—	—	—	1	—	—	—	—	—	—
24	2	—	—	—	—	2	—	—	—	—	—	—
22	3	—	—	—	—	3	—	—	—	—	—	—
20	1	—	—	—	—	1	—	—	—	—	—	—
18	2	—	1	—	—	1	—	—	—	—	—	—
17	16	—	1	—	—	15	—	—	—	—	—	—
16	17	—	1	13	—	3	6	—	—	6	—	—
15	6	—	1	2	—	3	6	—	—	6	—	—
14	3	—	—	2	—	1	2	—	—	2	—	—
13	26	—	—	24	—	2	54	—	—	24	30	—
≤ 12	2,542	624	—	969	202	747	2,572	624	4	972	173	799
										Total trips:		5,304

Trips and Drafts of Vessels, 1999
(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

FALL RIVER HARBOR, MA

	Inbound						Outbound					
Grand Total	349	94	12	206	19	18	351	94	12	207	18	20

FOREIGN

Total	47	35	12	—	—	—	54	38	12	2	1	1
35	1	1	—	—	—	—	—	—	—	—	—	—
34	4	3	1	—	—	—	—	—	—	—	—	—
33	8	8	—	—	—	—	—	—	—	—	—	—
32	2	2	—	—	—	—	—	—	—	—	—	—
28	1	—	1	—	—	—	1	1	—	—	—	—
27	3	—	3	—	—	—	5	4	1	—	—	—
26	4	3	1	—	—	—	2	—	2	—	—	—
25	2	—	2	—	—	—	4	2	2	—	—	—
24	4	3	1	—	—	—	9	7	2	—	—	—
23	2	2	—	—	—	—	4	3	1	—	—	—
22	2	2	—	—	—	—	4	3	1	—	—	—
21	2	1	1	—	—	—	5	4	1	—	—	—
20	5	5	—	—	—	—	—	—	—	—	—	—
19	1	—	1	—	—	—	1	1	—	—	—	—
≤ 18	6	5	1	—	—	—	19	13	2	2	1	1

DOMESTIC

Total	302	59	—	206	19	18	297	56	—	205	17	19
35	34	34	—	—	—	—	—	—	—	—	—	—
34	25	25	—	—	—	—	—	—	—	—	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
26	2	—	—	—	—	2	—	—	—	—	—	—
25	3	—	—	—	—	3	—	—	—	—	—	—
24	1	—	—	—	—	1	—	—	—	—	—	—
23	5	—	—	—	—	5	16	16	—	—	—	—
22	—	—	—	—	—	—	1	—	—	—	—	1
21	7	—	—	—	4	3	—	—	—	—	—	—
20	16	—	—	—	14	2	—	—	—	—	—	—
19	—	—	—	—	—	—	40	40	—	—	—	—
≤ 18	208	—	—	206	1	1	240	—	—	205	17	18

Total trips: 700

PROVIDENCE RIVER AND HARBOR, RI

	Inbound						Outbound					
Grand Total	1,102	205	112	360	58	367	1,045	193	95	358	56	343

FOREIGN

Total	174	61	103	3	—	7	139	49	86	1	—	3
38	1	—	1	—	—	—	1	1	—	—	—	—
37	2	—	2	—	—	—	1	—	1	—	—	—
36	5	—	5	—	—	—	3	2	1	—	—	—
35	8	1	7	—	—	—	—	—	—	—	—	—
34	16	5	11	—	—	—	4	2	2	—	—	—
33	25	12	13	—	—	—	4	2	2	—	—	—
32	16	3	13	—	—	—	4	2	2	—	—	—
31	6	—	6	—	—	—	1	—	1	—	—	—
30	12	3	9	—	—	—	4	—	4	—	—	—
29	6	1	5	—	—	—	1	1	—	—	—	—
28	14	4	10	—	—	—	15	2	13	—	—	—
27	4	2	2	—	—	—	5	1	4	—	—	—
26	11	—	11	—	—	—	13	4	9	—	—	—
25	8	5	3	—	—	—	23	4	19	—	—	—
24	13	10	3	—	—	—	22	6	16	—	—	—
23	5	4	1	—	—	—	6	5	1	—	—	—
22	5	2	—	—	—	3	7	4	3	—	—	—
21	2	1	—	—	—	1	8	4	4	—	—	—
20	2	2	—	—	—	—	2	2	—	—	—	—
19	2	1	1	—	—	—	2	—	2	—	—	—
≤ 18	11	5	—	3	—	3	13	7	2	1	—	3

DOMESTIC

Total	928	144	9	357	58	360	906	144	9	357	56	340
36	1	—	1	—	—	—	1	—	1	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
33	2	—	2	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 1999
(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

DOMESTIC

32	1	—	1	—	—	—	—	—	—	—	—	—
30	1	—	1	—	—	—	1	—	1	—	—	—
29	30	—	1	1	—	28	4	—	3	1	—	—
28	5	—	—	—	—	5	2	—	—	—	—	2
27	5	—	—	—	—	5	2	—	—	—	—	2
26	5	—	—	—	—	5	1	—	1	—	—	—
25	25	—	—	—	—	25	6	—	—	—	1	5
24	40	—	—	—	—	40	1	—	—	—	—	1
23	31	—	—	—	—	31	—	—	—	—	—	—
22	61	—	—	—	—	61	1	—	—	—	—	1
21	15	—	—	—	—	15	—	—	—	—	—	—
20	39	—	—	—	—	39	14	—	—	—	4	10
19	15	—	—	—	—	15	5	—	—	1	3	1
≤ 18	651	144	2	356	58	91	868	144	3	355	48	318
											Total trips:	2,147

NEW LONDON HARBOR, CT

Upbound

Downbound

Grand Total	6,690	6,368	23	135	60	104	6,671	6,368	21	121	62	99
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FOREIGN

Total	13	8	4	—	—	1	13	7	4	—	1	1
40	3	—	2	—	—	1	—	—	—	—	—	—
39	1	—	1	—	—	—	—	—	—	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
32	1	1	—	—	—	—	—	—	—	—	—	—
31	1	1	—	—	—	—	—	—	—	—	—	—
29	1	1	—	—	—	—	—	—	—	—	—	—
27	1	1	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	3	—	2	—	—	1
25	—	—	—	—	—	—	3	2	1	—	—	—
24	—	—	—	—	—	—	1	—	1	—	—	—
22	—	—	—	—	—	—	1	1	—	—	—	—
20	—	—	—	—	—	—	2	2	—	—	—	—
19	2	2	—	—	—	—	—	—	—	—	—	—
≤ 18	2	2	—	—	—	—	3	2	—	—	1	—

DOMESTIC

Total	6,677	6,360	19	135	60	103	6,658	6,361	17	121	61	98
41	1	—	1	—	—	—	—	—	—	—	—	—
28	1	—	—	—	—	1	—	—	—	—	—	—
27	—	—	—	—	—	—	1	—	1	—	—	—
25	4	—	1	—	—	3	1	—	1	—	—	—
24	1	—	—	—	—	1	—	—	—	—	—	—
23	3	—	—	—	—	3	1	—	—	—	—	1
22	6	—	1	—	5	—	—	—	—	—	—	—
21	35	—	—	—	35	—	2	—	2	—	—	—
20	9	—	1	—	7	1	—	—	—	—	—	—
19	1	—	—	—	—	—	1	—	1	—	—	—
≤ 18	6,616	6,360	15	135	13	93	6,652	6,361	12	121	61	97
											Total trips:	13,361

THAMES RIVER, CT

Upbound

Downbound

Grand Total	210	1	18	89	51	51	204	1	16	84	52	51
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DOMESTIC

Total	210	1	18	89	51	51	204	1	16	84	52	51
25	2	—	1	—	—	1	1	—	1	—	—	—
22	6	—	1	—	5	—	—	—	—	—	—	—
21	35	—	—	—	35	—	2	—	2	—	—	—
20	9	—	1	—	7	1	—	—	—	—	—	—
19	—	—	—	—	—	—	1	—	1	—	—	—
18	2	—	—	2	—	—	—	—	—	—	—	—
17	49	—	—	38	—	11	41	—	2	39	—	—

Trips and Drafts of Vessels, 1999
(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

THAMES RIVER, CT - continued

	Upbound						Downbound					
DOMESTIC												
16	16	—	2	4	—	10	50	—	1	1	48	—
15	32	—	6	9	—	17	9	—	2	7	—	—
14	13	—	5	5	—	3	7	—	4	3	—	—
13	28	—	1	25	—	2	28	—	—	28	—	—
≤ 12	18	1	1	6	4	6	65	1	3	6	4	51
										Total trips:		414

CONNECTICUT RIVER BELOW HARTFORD, CT

	Upbound						Downbound					
Grand Total	29,445	11,131	4	9,132	9,018	160	29,444	11,134	4	9,131	9,017	158
DOMESTIC												
Total	29,445	11,131	4	9,132	9,018	160	29,444	11,134	4	9,131	9,017	158
17	2	—	—	—	—	2	—	—	—	—	—	—
14	3	—	—	3	—	—	5	—	—	5	—	—
13	94	—	—	94	—	—	88	—	—	88	—	—
12	83	—	—	—	—	83	—	—	—	—	—	—
11	73	—	4	2	—	67	4	—	—	2	—	2
10	7	—	—	2	—	5	2	—	2	—	—	—
9	17	—	—	16	—	1	18	—	2	16	—	—
8	2	—	—	1	—	1	1	—	—	1	—	—
7	4	4	—	—	—	—	14	14	—	—	—	—
≤ 6	29,160	11,127	—	9,014	9,018	1	29,312	11,120	—	9,019	9,017	156
										Total trips:		58,889

NEW HAVEN HARBOR, CT

	Inbound						Outbound					
Grand Total	1,730	105	104	805	152	564	1,724	110	102	806	146	560
FOREIGN												
Total	76	50	26	—	—	—	77	50	25	1	—	1
38	3	1	2	—	—	—	—	—	—	—	—	—
37	1	1	—	—	—	—	—	—	—	—	—	—
36	5	1	4	—	—	—	—	—	—	—	—	—
35	7	—	7	—	—	—	—	—	—	—	—	—
34	7	3	4	—	—	—	—	—	—	—	—	—
33	4	2	2	—	—	—	—	—	—	—	—	—
32	2	1	1	—	—	—	2	1	1	—	—	—
31	6	4	2	—	—	—	—	—	—	—	—	—
30	3	3	—	—	—	—	2	2	—	—	—	—
29	6	5	1	—	—	—	4	3	1	—	—	—
28	5	4	1	—	—	—	4	3	1	—	—	—
27	2	2	—	—	—	—	4	2	2	—	—	—
26	3	3	—	—	—	—	13	8	5	—	—	—
25	4	3	1	—	—	—	9	5	4	—	—	—
24	5	4	1	—	—	—	7	2	5	—	—	—
23	4	4	—	—	—	—	5	2	3	—	—	—
22	6	6	—	—	—	—	9	4	3	1	—	1
21	—	—	—	—	—	—	6	6	—	—	—	—
20	1	1	—	—	—	—	6	6	—	—	—	—
19	—	—	—	—	—	—	1	1	—	—	—	—
≤ 18	2	2	—	—	—	—	5	5	—	—	—	—
DOMESTIC												
Total	1,654	55	78	805	152	564	1,647	60	77	805	146	559
36	—	—	—	—	—	—	1	—	1	—	—	—
35	2	—	2	—	—	—	—	—	—	—	—	—
32	2	—	2	—	—	—	—	—	—	—	—	—
31	2	—	2	—	—	—	1	—	1	—	—	—
30	—	—	—	—	—	—	2	—	2	—	—	—
29	8	—	3	—	—	5	2	—	1	—	—	1
28	4	—	3	—	—	1	—	—	—	—	—	—
27	11	—	2	—	5	4	4	—	4	—	—	—
26	15	—	—	—	—	15	6	—	3	—	1	2
25	19	—	—	—	—	19	6	—	—	—	—	6

Trips and Drafts of Vessels, 1999
(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					
DOMESTIC												
24	23	—	—	—	2	21	2	—	—	—	—	2
23	18	—	—	—	1	17	2	—	—	—	—	2
22	74	—	—	—	8	66	9	—	—	—	2	7
21	33	—	1	—	2	30	3	—	1	—	—	2
20	29	—	—	2	4	23	11	—	—	—	6	5
19	26	—	—	—	2	24	6	—	—	—	4	2
≤ 18	1,388	55	63	803	128	339	1,592	60	64	805	133	530
Total trips:											3,454	

BRIDGEPORT HARBOR, CT

Inbound							Outbound					
Grand Total	10,174	8,518	32	830	499	295	10,162	8,527	34	830	473	298

FOREIGN

Total	98	67	28	—	—	3	108	76	30	—	—	2
38	1	—	1	—	—	—	1	—	1	—	—	—
37	1	—	—	—	—	—	—	—	—	—	—	—
36	3	—	3	—	—	—	—	—	—	—	—	—
35	4	—	4	—	—	—	—	—	—	—	—	—
34	2	—	2	—	—	—	1	—	1	—	—	—
33	2	—	2	—	—	—	1	—	1	—	—	—
32	3	1	2	—	—	—	—	—	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
30	2	1	1	—	—	—	—	—	—	—	—	—
29	5	2	3	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	5	—	5	—	—	—
27	—	—	—	—	—	—	2	1	1	—	—	—
26	44	41	3	—	—	—	4	1	3	—	—	—
25	—	—	—	—	—	—	3	—	3	—	—	—
24	5	2	3	—	—	—	51	47	4	—	—	—
23	7	6	1	—	—	—	2	—	2	—	—	—
22	6	6	—	—	—	—	4	1	3	—	—	—
21	2	1	1	—	—	—	7	4	3	—	—	—
20	4	4	—	—	—	—	8	6	2	—	—	—
19	—	—	—	—	—	—	6	5	1	—	—	—
≤ 18	6	3	—	—	—	3	13	11	—	—	—	2

DOMESTIC

Total	10,076	8,451	4	830	499	292	10,054	8,451	4	830	473	296
35	1	—	1	—	—	—	—	—	—	—	—	—
29	9	—	—	—	—	9	—	—	—	—	—	—
27	2	—	—	—	—	2	3	—	—	—	—	3
26	5	—	—	—	—	5	5	—	1	—	—	4
25	5	—	—	—	—	5	8	—	—	—	—	8
24	18	—	—	—	—	18	1	—	—	—	—	1
23	10	—	—	—	—	10	—	—	—	—	—	—
22	45	—	—	—	—	45	2	—	—	—	—	2
21	7	—	—	—	—	7	2	—	—	—	—	2
20	9	—	—	—	1	8	3	—	—	2	—	1
19	13	—	—	—	—	13	5	—	—	—	—	5
≤ 18	9,952	8,451	3	830	498	170	10,025	8,451	3	828	473	270
Total trips:											20,336	

NORWALK HARBOR, CT

Inbound							Outbound					
Grand Total	1,179	700	—	208	195	76	1,173	705	—	208	187	73

DOMESTIC

Total	1,179	700	—	208	195	76	1,173	705	—	208	187	73
16	31	—	—	—	—	31	—	—	—	—	—	—
15	25	—	—	—	—	25	—	—	—	—	—	—
14	30	—	—	30	—	—	26	—	—	26	—	—
13	26	—	—	23	—	3	24	—	—	24	—	—
12	9	—	—	—	8	1	—	—	—	—	—	—
11	54	—	—	—	54	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 1999
(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

NORWALK HARBOR, CT - continued

Inbound							Outbound					
DOMESTIC												
10	116	—	—	8	107	1	4	—	—	—	4	—
9	40	—	—	4	22	14	7	—	—	4	3	—
8	220	93	—	124	2	1	245	98	—	138	9	—
7	21	—	—	19	2	—	18	—	—	16	2	—
≤ 6	607	607	—	—	—	—	849	607	—	—	169	73
Total trips:											2,352	

STAMFORD HARBOR, CT

Inbound							Outbound					
Grand Total	1,204	14	35	526	618	11	1,200	13	35	525	617	10
DOMESTIC												
Total	1,204	14	35	526	618	11	1,200	13	35	525	617	10
16	10	—	10	—	—	—	—	—	—	—	—	—
15	17	—	17	—	—	—	—	—	—	—	—	—
14	7	—	6	—	—	1	—	—	—	—	—	—
13	9	—	2	—	—	7	—	—	—	—	—	—
≤ 12	1,161	14	—	526	618	3	1,200	13	35	525	617	10
Total trips:											2,404	

ANDREWS RIVER, MA
No Vessel Trips Reported

ANNISQUAM RIVER, MA
No Vessel Trips Reported

APPONAUG COVE, RI
No Vessel Trips Reported

BAR HARBOR, ME
(17 feet and less)

Inbound							Outbound					
Grand Total	451	451	—	—	—	—	445	445	—	—	—	—
Total trips:											896	

BASS HARBOR, ME
(9 feet and less)

Inbound							Outbound					
Grand Total	2,291	2,291	—	—	—	—	2,291	2,291	—	—	—	—
Total trips:											4,582	

BEALS HARBOR, ME
No Vessel Trips Reported

BELFAST HARBOR, ME
(14 feet and less)

Inbound							Outbound					
Grand Total	107	—	—	107	—	—	107	—	—	107	—	—
Total trips:											214	

BEVERLY HARBOR, MA
No Vessel Trips Reported

Trips and Drafts of Vessels, 1999
(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
BOOTHBAY HARBOR, ME (13 feet and less)												
				Inbound							Outbound	
Grand Total	1,783	1,783	---	---	---	---	1,783	1,783	---	---	---	---
										Total trips:	---	3,566
BRANFORD HARBOR, CT No Vessel Trips Reported												
BRISTOL HARBOR, RI No Vessel Trips Reported												
BUNKER HARBOR, ME No Vessel Trips Reported												
CAMDEN HARBOR, ME (13 feet and less)												
				Inbound							Outbound	
Grand Total	23	23	---	---	---	---	23	23	---	---	---	---
										Total trips:	---	46
CANAPITSIT CHANNEL, MA No Vessel Trips Reported												
CAPE PORPOISE HARBOR, ME No Vessel Trips Reported												
CARVERS HARBOR, ME (9 feet and less)												
				Inbound							Outbound	
Grand Total	2,295	2,295	---	---	---	---	2,295	2,295	---	---	---	---
										Total trips:	---	4,590
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 (8 feet and less)												
				Inbound							Outbound	
Grand Total	168	168	---	---	---	---	167	167	---	---	---	---
										Total trips:	---	335
CRIEHAVEN HARBOR, ME No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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
CROSS RIP SHOALS, NANTUCKET SOUND, MA (12 feet and less)												
				Upbound							Downbound	
Grand Total	830	723	15	46	46	—	856	739	15	51	51	—
										Total trips:		1,686
CUTTYHUNK HARBOR, MA (10 feet and less)												
				Inbound							Outbound	
Grand Total	311	283	—	16	—	12	313	283	—	16	—	14
										Total trips:		624
DAMARISCOTTA RIVER, ME No Vessel Trips Reported												
DORCHESTER BAY, MA No Vessel Trips Reported												
DUXBURY HARBOR, MA No Vessel Trips Reported												
EDGARTOWN HARBOR, MA (7 feet and less)												
				Inbound							Outbound	
Grand Total	73,468	73,466	—	1	1	—	73,468	73,466	—	1	1	—
										Total trips:		146,936
ESSEX RIVER, MA No Vessel Trips Reported												
FALMOUTH HARBOR, MA (8 feet and less)												
				Inbound							Outbound	
Grand Total	2,792	2,792	—	—	—	—	2,792	2,792	—	—	—	—
										Total trips:		5,584
FIVEMILE RIVER HARBOR, CT No Vessel Trips Reported												
FORT POINT CHANNEL, MA No Vessel Trips Reported												
GLOUCESTER HARBOR, MA (23 feet and less)												
				Inbound							Outbound	
Grand Total	346	58	288	—	—	—	348	60	288	—	—	—
										Total trips:		694
GREAT SALT POND, BLOCK ISLAND, RI (11 feet and less)												
				Inbound							Outbound	
Grand Total	115	115	—	—	—	—	115	115	—	—	—	—
										Total trips:		230

Trips and Drafts of Vessels, 1999
(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
GREEN HARBOR, MA (4 feet and less)												
				Inbound						Outbound		
Grand Total	31	31	---	---	---	---	31	31	---	---	---	---
										Total trips:	---	62
GREENWICH BAY, RI No Vessel Trips Reported												
GREENWICH HARBOR, CT (6 feet and less)												
				Inbound						Outbound		
Grand Total	1,586	1,586	---	---	---	---	1,586	1,586	---	---	---	---
										Total trips:	---	3,172
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												
HARBOR OF REFUGE, BLOCK ISLAND, RI (11 feet and less)												
				Inbound						Outbound		
Grand Total	2,069	2,069	---	---	---	---	2,069	2,069	---	---	---	---
										Total trips:	---	4,138
HARBOR OF REFUGE, NANTUCKET, MA (12 feet and less)												
				Inbound						Outbound		
Grand Total	8,935	8,818	15	51	51	---	8,925	8,818	15	46	46	---
										Total trips:	46	17,860
HARBOR OF REFUGE, POINT JUDITH AND POINT JUDITH POND, RI (13 feet and less)												
				Inbound						Outbound		
Grand Total	1,446	1,445	---	1	---	---	1,445	1,445	---	---	---	---
										Total trips:	---	2,891
HARRASEEKET RIVER, ME No Vessel Trips Reported												
HAY (WEST) HARBOR, NY (8 feet and less)												
				Inbound						Outbound		
Grand Total	1,991	1,991	---	---	---	---	1,991	1,991	---	---	---	---
										Total trips:	---	3,982
HENDRICKS HARBOR, ME No Vessel Trips Reported												
HINGHAM HARBOR, MA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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
HOUSATONIC RIVER, CT (16 feet and less)												
				Upbound						Downbound		
Grand Total	58	---	---	26	2	30	56	---	---	26	2	28
										Total trips:		114
HYANNIS HARBOR, MA (11 feet and less)												
				Inbound						Outbound		
Grand Total	11,293	11,293	---	---	---	---	11,293	11,293	---	---	---	---
										Total trips:		22,586
IPSWICH RIVER, MA No Vessel Trips Reported												
ISLE AU HAUT THOROUGHFARE, ME (9 feet and less)												
				Upbound						Downbound		
Grand Total	655	649	6	---	---	---	655	649	6	---	---	---
										Total trips:		1,310
ISLE OF SHOALS HARBOR, ME AND NH No Vessel Trips Reported												
JOSIAS RIVER, ME No Vessel Trips Reported												
KENNEBEC RIVER, ME (13 feet and less)												
				Upbound						Downbound		
Grand Total	5	2	---	3	---	---	3	---	---	3	---	---
										Total trips:		8
KENNEBUNK RIVER, ME No Vessel Trips Reported												
LAGOON POND, MARTHA'S VINEYARD, MA No Vessel Trips Reported												
LUBEC CHANNEL, ME (6 feet and less)												
				Upbound						Downbound		
Grand Total	38	38	---	---	---	---	38	38	---	---	---	---
										Total trips:		76
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 No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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
MATINICUS HARBOR, ME (9 feet and less)												
			Inbound						Outbound			
Grand Total	47	38	9	---	---	---	48	38	10	---	---	---
										Total trips:	---	95
MATTAPOISETT HARBOR, MA No Vessel Trips Reported												
MENEMSHA CREEK, MARTHA'S VINEYARD, MA No Vessel Trips Reported												
MILFORD HARBOR, CT No Vessel Trips Reported												
MOOSABEC BAR, ME No Vessel Trips Reported												
MYSTIC RIVER, CT (6 feet and less)												
			Upbound						Downbound			
Grand Total	903	903	---	---	---	---	903	903	---	---	---	---
										Total trips:	---	1,806
NARRAGUAGUS RIVER, ME No Vessel Trips Reported												
NEPONSET RIVER, MA No Vessel Trips Reported												
NEW HARBOR, ME No Vessel Trips Reported												
NEWBURYPORT HARBOR, MA (6 feet and less)												
			Inbound						Outbound			
Grand Total	239	239	---	---	---	---	239	239	---	---	---	---
										Total trips:	---	478
NEWPORT HARBOR, RI (28 feet and less)												
			Upbound						Downbound			
Grand Total	2,174	2,148	9	17	---	---	2,161	2,137	7	17	---	---
										Total trips:	---	4,335
NIANTIC BAY AND HARBOR, CT (7 feet and less)												
			Inbound						Outbound			
Grand Total	135	135	---	---	---	---	135	135	---	---	---	---
										Total trips:	---	270
NORTHEAST HARBOR, ME (6 feet and less)												
			Inbound						Outbound			
Grand Total	4,238	2,238	---	1,000	1,000	---	4,238	2,238	---	1,000	1,000	---
										Total trips:	---	8,476
OWLS HEAD HARBOR, ME No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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, CT No Vessel Trips Reported												
PAWCATUCK RIVER, RI AND CT (13 feet and less)												
				Upbound							Downbound	
Grand Total	6	—	—	6	—	—	4	—	—	4	—	—
										Total trips:	—	10
PLEASANT RIVER, ME No Vessel Trips Reported												
PLYMOUTH HARBOR, MA (7 feet and less)												
				Upbound							Downbound	
Grand Total	1,018	1,018	—	—	—	—	1,020	1,018	—	1	1	—
										Total trips:	—	2,038
PROVINCETOWN HARBOR, MA (9 feet and less)												
				Inbound							Outbound	
Grand Total	1,564	1,560	—	4	—	—	1,564	1,560	—	4	—	—
										Total trips:	—	3,128
RED BROOK HARBOR, BOURNE, MA No Vessel Trips Reported												
ROCKLAND HARBOR, ME (16 feet and less)												
				Inbound							Outbound	
Grand Total	3,635	3,507	86	21	21	—	3,655	3,502	87	33	33	—
										Total trips:	—	7,290
ROCKPORT HARBOR, MA No Vessel Trips Reported												
ROCKPORT HARBOR, ME No Vessel Trips Reported												
ROYAL RIVER, ME (5 feet and less)												
				Upbound							Downbound	
Grand Total	2	—	—	2	—	—	3	—	—	2	—	1
										Total trips:	—	5
RYE HARBOR, NH No Vessel Trips Reported												
SACO RIVER, ME No Vessel Trips Reported												
SAKONNET RIVER AND HARBOR, RI (10 feet and less)												
				Upbound							Downbound	
Grand Total	45	39	6	—	—	—	43	38	5	—	—	—
										Total trips:	—	88
SCARBORO RIVER, ME No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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
SCITUATE HARBOR, MA No Vessel Trips Reported												
SEEKONK RIVER, RI No Vessel Trips Reported												
SOUTH BRISTOL HARBOR, ME No Vessel Trips Reported												
SOUTHWEST HARBOR, ME (9 feet and less)												
			Inbound						Outbound			
Grand Total	1	1	---	---	---	---	---	---	---	---	---	---
									Total trips:			
									1			
ST. CROIX RIVER, ME (13 feet and less)												
			Upbound						Downbound			
Grand Total	50	50	---	---	---	---	20	20	---	---	---	---
									Total trips:			
									70			
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	652	649	3	---	---	---	652	649	3	---	---	---
									Total trips:			
									1,304			
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 (13 feet and less)												
			Inbound						Outbound			
Grand Total	15,813	15,133	---	342	114	224	15,818	15,149	---	341	104	224
									Total trips:			
									31,631			
WAREHAM HARBOR, MA (7 feet and less)												
			Inbound						Outbound			
Grand Total	1	---	---	1	---	---	2	---	---	1	1	---
									Total trips:			
									3			

Trips and Drafts of Vessels, 1999
(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
WARREN RIVER, RI (7 feet and less)												
				Upbound							Downbound	
Grand Total	7	7	---	---	---	---	7	7	---	---	---	---
										Total trips:	---	14
WARWICK COVE, WARWICK, RI No Vessel Trips Reported												
WELLFLEET HARBOR, MA No Vessel Trips Reported												
WESTPORT HARBOR AND SAUGATUCK RIVER, CT No Vessel Trips Reported												
WESTPORT RIVER, MA (7 feet and less)												
				Upbound							Downbound	
Grand Total	4	---	---	2	2	---	4	---	---	2	2	---
										Total trips:	---	8
WEYMOUTH BACK RIVER, MA (8 feet and less)												
				Upbound							Downbound	
Grand Total	1,323	1,323	---	---	---	---	1,323	1,323	---	---	---	---
										Total trips:	---	2,646
WICKFORD HARBOR, RI (13 feet and less)												
				Inbound							Outbound	
Grand Total	2	---	---	2	---	---	2	---	---	2	---	---
										Total trips:	---	4
WINTHROP HARBOR, MA (7 feet and less)												
				Upbound							Downbound	
Grand Total	1	---	---	1	---	---	---	---	---	---	---	---
										Total trips:	---	1
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	17,209	16,445	1	391	158	214	17,229	16,445	---	391	158	235
										Total trips:	---	34,438
YORK HARBOR, ME No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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	2,161	—	330	968	818	45	2,151	—	324	966	817	44	

DOMESTIC

Total	2,161	—	330	968	818	45	2,151	—	324	966	817	44
15	2	—	—	2	—	—	—	—	—	—	—	—
13	3	—	—	2	—	1	—	—	—	—	—	—
12	285	—	270	2	13	—	5	—	—	2	3	—
11	139	—	17	—	91	31	—	—	—	—	—	—
10	328	—	41	4	271	12	1	—	1	—	—	—
9	402	—	2	121	279	—	152	—	16	121	15	—
8	691	—	—	629	62	—	987	—	293	642	51	1
7	279	—	—	208	71	—	240	—	14	199	27	—
≤ 6	32	—	—	—	31	1	766	—	—	2	721	43
										Total trips:		4,312

FLUSHING BAY AND CREEK, NY

			Upbound						Downbound				
Grand Total	3,564	76	74	1,192	2,184	38	3,560	76	72	1,191	2,184	37	

DOMESTIC

Total	3,564	76	74	1,192	2,184	38	3,560	76	72	1,191	2,184	37
19	2	—	—	—	2	—	—	—	—	—	—	—
18	4	—	—	—	4	—	—	—	—	—	—	—
17	21	—	—	—	21	—	—	—	—	—	—	—
16	1	—	—	—	1	—	—	—	—	—	—	—
15	5	—	—	—	3	2	—	—	—	—	—	—
14	3	—	1	—	1	1	—	—	—	—	—	—
13	23	—	—	8	1	14	8	—	—	8	—	—
12	241	—	3	56	172	10	38	—	—	38	—	—
11	383	—	70	—	310	3	—	—	—	—	—	—
10	367	—	—	8	355	4	31	—	2	14	15	—
9	280	—	—	93	184	3	129	—	3	87	39	—
8	498	—	—	476	22	—	712	—	—	556	156	—
7	640	1	—	549	89	1	1,493	1	59	486	945	2
≤ 6	1,096	75	—	2	1,019	—	1,149	75	8	2	1,029	35
										Total trips:		7,124

HUDSON RIVER, NY (LOWER SECTION)

			Upbound						Downbound				
Grand Total	168	4	—	130	27	7	167	4	—	129	27	7	

FOREIGN

Total	4	4	—	—	—	—	4	4	—	—	—	—
38	1	1	—	—	—	—	1	1	—	—	—	—
36	—	—	—	—	—	—	1	1	—	—	—	—
34	1	1	—	—	—	—	—	—	—	—	—	—
30	2	2	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	1	1	—	—	—	—
20	—	—	—	—	—	—	1	1	—	—	—	—

DOMESTIC

Total	164	—	—	130	27	7	163	—	—	129	27	7
26	1	—	—	—	1	—	—	—	—	—	—	—
24	4	—	—	—	4	—	—	—	—	—	—	—
23	21	—	—	—	21	—	—	—	—	—	—	—
21	1	—	—	—	1	—	—	—	—	—	—	—
≤ 18	137	—	—	130	—	7	163	—	—	129	27	7
										Total trips:		335

Trips and Drafts of Vessels, 1999
(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	28,430	26,890	196	210	990	144	26,476	24,946	192	208	991	139

FOREIGN

Total	204	196	7	—	1	—	197	192	3	1	1	—
44	—	—	—	—	—	—	1	1	—	—	—	—
40	2	1	1	—	—	—	—	—	—	—	—	—
37	3	—	2	—	1	—	—	—	—	—	—	—
34	7	7	—	—	—	—	9	9	—	—	—	—
33	1	1	—	—	—	—	5	5	—	—	—	—
32	2	2	—	—	—	—	—	—	—	—	—	—
31	35	34	1	—	—	—	29	29	—	—	—	—
30	8	8	—	—	—	—	8	8	—	—	—	—
28	19	19	—	—	—	—	18	18	—	—	—	—
27	19	19	—	—	—	—	21	21	—	—	—	—
26	1	1	—	—	—	—	1	1	—	—	—	—
25	45	44	1	—	—	—	45	45	—	—	—	—
24	26	25	1	—	—	—	22	22	—	—	—	—
23	25	25	—	—	—	—	27	26	1	—	—	—
22	1	1	—	—	—	—	3	1	2	—	—	—
21	2	2	—	—	—	—	1	1	—	—	—	—
20	1	1	—	—	—	—	1	1	—	—	—	—
≤ 18	7	6	1	—	—	—	6	4	—	1	1	—

DOMESTIC

Total	28,226	26,694	189	210	989	144	26,279	24,754	189	207	990	139
≤ 18	28,226	26,694	189	210	989	144	26,279	24,754	189	207	990	139
Total trips:											54,906	

EAST RIVER, NY

	Upbound				Downbound							
Grand Total	49,882	48,383	134	646	292	427	49,866	48,378	126	644	291	427

FOREIGN

Total	96	87	9	—	—	—	92	83	9	—	—	—
40	4	1	3	—	—	—	—	—	—	—	—	—
37	1	1	—	—	—	—	—	—	—	—	—	—
36	17	17	—	—	—	—	1	1	—	—	—	—
35	4	4	—	—	—	—	—	—	—	—	—	—
34	4	4	—	—	—	—	—	—	—	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
32	12	11	1	—	—	—	—	—	—	—	—	—
31	3	3	—	—	—	—	1	1	—	—	—	—
30	1	1	—	—	—	—	2	2	—	—	—	—
29	1	1	—	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	4	3	1	—	—	—
27	1	—	1	—	—	—	—	—	—	—	—	—
26	31	31	—	—	—	—	4	3	1	—	—	—
25	3	3	—	—	—	—	13	10	3	—	—	—
24	1	1	—	—	—	—	6	5	1	—	—	—
23	—	—	—	—	—	—	8	8	—	—	—	—
22	1	1	—	—	—	—	6	6	—	—	—	—
21	2	1	1	—	—	—	33	32	1	—	—	—
20	2	1	1	—	—	—	4	3	1	—	—	—
19	2	2	—	—	—	—	—	—	—	—	—	—
≤ 18	5	4	1	—	—	—	10	9	1	—	—	—

DOMESTIC

Total	49,786	48,296	125	646	292	427	49,774	48,295	117	644	291	427
34	1	—	—	—	—	1	—	—	—	—	—	—
29	2	—	—	—	—	2	1	—	—	—	—	1
28	3	—	—	—	—	3	—	—	—	—	—	—
27	3	—	—	—	—	3	3	—	—	—	—	3
26	14	—	1	—	—	13	3	—	—	—	—	3
25	31	—	—	—	2	29	3	—	—	—	—	3
24	33	—	—	—	—	33	8	—	—	—	—	8
23	8	—	—	—	1	7	3	—	—	—	1	2
22	23	—	—	—	—	23	4	—	1	—	—	3
21	7	—	—	2	—	5	3	—	—	2	—	1
20	11	—	—	—	—	11	5	—	—	—	—	5

Trips and Drafts of Vessels, 1999
(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												
19	9	—	—	—	—	9	2	—	—	—	—	2
≤ 18	49,641	48,296	124	644	289	288	49,739	48,295	116	642	290	396
Total trips:											99,748	

NEWTOWN CREEK, NY

Upbound							Downbound					
Grand Total												
	1,713	—	114	355	1,107	137	1,713	—	117	356	1,111	129
DOMESTIC												
Total	1,713	—	114	355	1,107	137	1,713	—	117	356	1,111	129
15	2	—	—	—	2	—	110	—	—	—	110	—
14	18	—	17	—	—	1	—	—	—	—	—	—
13	4	—	1	—	—	3	—	—	—	—	—	—
≤ 12	1,689	—	96	355	1,105	133	1,603	—	117	356	1,001	129
Total trips:											3,426	

BUTTERMILK CHANNEL, NY

Upbound							Downbound					
Grand Total												
	941	288	116	370	103	64	927	288	110	361	109	59
FOREIGN												
Total	311	282	28	1	—	—	307	282	25	—	—	—
39	2	2	—	—	—	—	2	2	—	—	—	—
38	1	—	1	—	—	—	1	1	—	—	—	—
36	1	1	—	—	—	—	1	1	—	—	—	—
35	76	61	15	—	—	—	52	49	3	—	—	—
34	53	53	—	—	—	—	52	52	—	—	—	—
33	16	14	2	—	—	—	11	11	—	—	—	—
32	20	19	1	—	—	—	21	19	2	—	—	—
31	18	18	—	—	—	—	26	25	1	—	—	—
30	25	24	1	—	—	—	16	16	—	—	—	—
29	19	17	2	—	—	—	10	10	—	—	—	—
28	15	14	1	—	—	—	19	19	—	—	—	—
27	13	12	1	—	—	—	15	13	2	—	—	—
26	13	10	3	—	—	—	16	11	5	—	—	—
25	4	4	—	—	—	—	8	3	5	—	—	—
24	6	6	—	—	—	—	11	8	3	—	—	—
23	5	4	1	—	—	—	6	5	1	—	—	—
22	2	2	—	—	—	—	8	7	1	—	—	—
21	6	6	—	—	—	—	2	1	1	—	—	—
20	4	4	—	—	—	—	9	9	—	—	—	—
19	4	4	—	—	—	—	7	7	—	—	—	—
≤ 18	8	7	—	1	—	—	14	13	1	—	—	—
DOMESTIC												
Total	630	6	88	369	103	64	620	6	85	361	109	59
≤ 18	630	6	88	369	103	64	620	6	85	361	109	59
Total trips:											1,868	

BAY RIDGE AND RED HOOK CHANNELS, NY

Upbound							Downbound					
Grand Total												
	4,370	1,625	2	2,307	434	2	4,397	1,630	2	2,320	442	3
FOREIGN												
Total	9	9	—	—	—	—	14	14	—	—	—	—
45	1	1	—	—	—	—	—	—	—	—	—	—
42	—	—	—	—	—	—	1	1	—	—	—	—
34	1	1	—	—	—	—	—	—	—	—	—	—
33	—	—	—	—	—	—	1	1	—	—	—	—
31	2	2	—	—	—	—	2	2	—	—	—	—

Trips and Drafts of Vessels, 1999
(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 - continued
Upbound

Downbound

FOREIGN

30	1	1	—	—	—	—	3	3	—	—	—	—
28	1	1	—	—	—	—	1	1	—	—	—	—
27	1	1	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	1	1	—	—	—	—
24	1	1	—	—	—	—	2	2	—	—	—	—
≤ 18	1	1	—	—	—	—	3	3	—	—	—	—

DOMESTIC

Total	4,361	1,616	2	2,307	434	2	4,383	1,616	2	2,320	442	3
≤ 18	4,361	1,616	2	2,307	434	2	4,383	1,616	2	2,320	442	3
Total trips:											8,767	

GOWANUS CREEK CHANNEL, NY

Upbound

Downbound

Grand Total	1,733	6	11	1,160	456	100	1,712	6	11	1,161	437	97
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DOMESTIC

Total	1,733	6	11	1,160	456	100	1,712	6	11	1,161	437	97
28	1	—	—	—	—	1	—	—	—	—	—	—
27	12	—	—	—	—	12	2	—	—	—	—	2
26	3	—	—	—	—	3	—	—	—	—	—	—
25	2	—	—	—	—	2	—	—	—	—	—	—
24	4	—	—	—	—	4	1	—	—	—	—	1
23	3	—	—	—	—	3	—	—	—	—	—	—
22	1	—	—	—	—	1	1	—	—	—	—	1
21	2	—	—	—	—	2	—	—	—	—	—	—
20	4	—	—	—	—	4	—	—	—	—	—	—
19	4	—	—	—	—	4	—	—	—	—	—	—
≤ 18	1,697	6	11	1,160	456	64	1,708	6	11	1,161	437	93
Total trips:											3,445	

CONEY ISLAND CHANNEL, NY

Upbound

Downbound

Grand Total	413	—	3	163	110	137	449	—	2	176	123	148
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DOMESTIC

Total	413	—	3	163	110	137	449	—	2	176	123	148
15	—	—	—	—	—	—	1	—	—	—	—	1
14	—	—	—	—	—	—	5	—	—	—	—	5
13	—	—	—	—	—	—	20	—	—	—	—	20
12	—	—	—	—	—	—	47	—	2	—	10	35
11	—	—	—	—	—	—	54	—	—	2	49	3
10	4	—	1	—	2	1	43	—	—	—	41	2
9	7	—	—	3	4	—	67	—	—	3	18	46
8	90	—	2	86	2	—	98	—	—	93	1	4
7	26	—	—	26	—	—	38	—	—	30	4	4
6	48	—	—	48	—	—	56	—	—	48	—	8
4	41	—	—	—	—	41	12	—	—	—	—	12
3	21	—	—	—	—	21	—	—	—	—	—	—
2	176	—	—	—	102	74	8	—	—	—	—	8
Total trips:											862	

EAST ROCKAWAY INLET, NY

Upbound

Downbound

Grand Total	366	—	142	53	—	171	363	—	141	51	—	171
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DOMESTIC

Total	366	—	142	53	—	171	363	—	141	51	—	171
12	291	—	137	10	—	144	12	—	—	12	—	—
11	27	—	5	—	—	22	—	—	—	—	—	—

Trips and Drafts of Vessels, 1999
(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 ROCKAWAY INLET, NY - continued

Upbound							Downbound					
DOMESTIC												
10	5	—	—	4	—	1	4	—	—	4	—	—
9	38	—	—	37	—	1	173	—	140	33	—	—
8	2	—	—	—	—	2	1	—	1	—	—	—
7	2	—	—	2	—	—	2	—	—	2	—	—
≤ 6	1	—	—	—	—	1	171	—	—	—	—	171
											Total trips:	729

JAMAICA BAY, NY

Upbound							Downbound					
Grand Total	920	4	38	463	258	157	907	4	37	462	257	147
DOMESTIC												
Total	920	4	38	463	258	157	907	4	37	462	257	147
15	5	—	—	4	—	1	4	—	—	4	—	—
14	25	—	20	—	—	5	—	—	—	—	—	—
13	25	—	—	4	—	21	4	—	—	4	—	—
≤ 12	865	4	18	455	258	130	899	4	37	454	257	147
											Total trips:	1,827

RARITAN RIVER, NJ

Upbound							Downbound					
Grand Total	1,610	4	1	869	624	112	1,611	2	1	871	624	113
FOREIGN												
Total	4	4	—	—	—	—	2	2	—	—	—	—
30	—	—	—	—	—	—	1	1	—	—	—	—
21	1	1	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	1	1	—	—	—	—
15	1	1	—	—	—	—	—	—	—	—	—	—
14	1	1	—	—	—	—	—	—	—	—	—	—
≤ 12	1	1	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	1,606	—	1	869	624	112	1,609	—	1	871	624	113
24	1	—	—	—	—	1	—	—	—	—	—	—
23	1	—	—	—	—	1	2	—	—	—	—	2
22	6	—	—	—	—	6	10	—	—	—	—	10
21	4	—	—	—	—	4	2	—	—	—	—	2
20	2	—	—	—	—	2	2	—	—	—	—	2
19	4	—	—	—	—	4	—	—	—	—	—	—
18	7	—	—	2	—	5	2	—	—	—	—	2
17	3	—	—	—	—	3	—	—	—	—	—	—
16	117	—	—	116	—	1	124	—	—	120	—	4
15	67	—	—	52	12	3	65	—	—	58	—	7
14	4	—	—	2	—	2	8	—	—	2	—	6
13	80	—	—	80	—	—	95	—	—	84	—	11
≤ 12	1,310	—	1	617	612	80	1,299	—	1	607	624	67
											Total trips:	3,221

UPPER BAY, NEW YORK HARBOR, NY AND NJ

Upbound							Downbound					
Grand Total	46,312	35,979	939	7,491	774	1,129	46,296	35,961	932	7,490	776	1,137
FOREIGN												
Total	1,258	851	390	7	8	2	1,237	834	383	6	8	6
48	15	10	5	—	—	—	4	2	2	—	—	—
47	5	1	4	—	—	—	1	—	1	—	—	—
46	56	22	34	—	—	—	—	—	—	—	—	—
45	31	7	24	—	—	—	12	3	9	—	—	—
44	7	2	5	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 1999
(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

FOREIGN

43	8	2	6	—	—	—	3	1	2	—	—	—
42	45	7	38	—	—	—	8	4	4	—	—	—
41	18	13	5	—	—	—	2	1	1	—	—	—
40	52	18	34	—	—	—	13	9	4	—	—	—
39	118	96	22	—	—	—	49	44	4	—	1	—
38	131	105	26	—	—	—	99	95	3	—	—	1
37	88	44	44	—	—	—	16	14	2	—	—	—
36	77	55	22	—	—	—	33	32	1	—	—	—
35	50	33	17	—	—	—	31	28	3	—	—	—
34	51	32	19	—	—	—	39	37	2	—	—	—
33	46	35	11	—	—	—	42	34	8	—	—	—
32	47	34	13	—	—	—	57	48	9	—	—	—
31	20	16	4	—	—	—	36	30	6	—	—	—
30	45	38	7	—	—	—	128	74	54	—	—	—
29	23	17	6	—	—	—	41	34	7	—	—	—
28	57	54	3	—	—	—	112	66	46	—	—	—
27	40	35	5	—	—	—	96	35	61	—	—	—
26	41	36	5	—	—	—	110	47	63	—	—	—
25	40	29	9	—	1	1	67	42	25	—	—	—
24	47	44	1	—	2	—	70	53	17	—	—	—
23	23	21	2	—	—	—	37	31	6	—	—	—
22	13	8	2	1	2	—	37	16	20	—	1	—
21	10	6	3	—	1	—	18	15	3	—	—	—
20	11	6	5	—	—	—	21	14	5	—	1	1
19	4	4	—	—	—	—	6	5	1	—	—	—
≤ 18	39	21	9	6	2	1	49	20	14	6	5	4

DOMESTIC

Total	45,054	35,128	549	7,484	766	1,127	45,059	35,127	549	7,484	768	1,131
41	4	—	4	—	—	—	—	—	—	—	—	—
40	2	—	2	—	—	—	—	—	—	—	—	—
38	1	—	1	—	—	—	—	—	—	—	—	—
36	1	—	1	—	—	—	1	—	1	—	—	—
35	3	—	—	—	—	3	6	—	4	—	—	2
33	5	—	5	—	—	—	—	—	—	—	—	—
31	4	—	4	—	—	—	3	—	3	—	—	—
30	3	—	3	—	—	—	10	—	10	—	—	—
29	6	—	3	—	—	3	1	—	1	—	—	—
28	7	—	2	—	—	5	2	—	2	—	—	—
27	9	—	1	—	—	8	5	—	1	—	—	4
26	25	—	1	—	—	24	4	—	1	—	—	3
25	15	—	—	—	—	15	5	—	2	—	—	3
24	38	—	3	—	—	35	8	—	6	—	—	2
23	36	—	—	—	—	36	1	—	—	—	—	1
22	40	—	—	—	—	40	3	—	—	—	—	3
21	34	—	—	2	—	32	9	—	—	—	5	4
20	35	—	—	—	1	34	19	—	—	2	13	4
19	30	—	—	—	—	30	4	—	—	—	4	—
≤ 18	44,756	35,128	519	7,482	765	862	44,978	35,127	518	7,482	746	1,105
Total trips:											746	92,608

NEWARK BAY, NJ

Upbound

Downbound

Grand Total	6,174	1,903	430	2,839	176	826	6,154	1,895	428	2,836	170	825
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FOREIGN

Total	1,698	1,622	71	4	1	—	1,695	1,613	80	2	—	—
39	4	3	1	—	—	—	7	7	—	—	—	—
38	3	3	—	—	—	—	20	19	1	—	—	—
37	5	5	—	—	—	—	3	3	—	—	—	—
36	3	2	1	—	—	—	15	15	—	—	—	—
35	742	715	27	—	—	—	485	484	1	—	—	—
34	130	129	1	—	—	—	107	107	—	—	—	—
33	97	94	3	—	—	—	113	112	1	—	—	—
32	121	120	1	—	—	—	118	118	—	—	—	—
31	97	95	2	—	—	—	117	115	2	—	—	—
30	83	76	7	—	—	—	115	112	3	—	—	—
29	44	40	4	—	—	—	68	63	5	—	—	—
28	102	94	8	—	—	—	99	93	6	—	—	—
27	52	47	5	—	—	—	63	56	7	—	—	—

Trips and Drafts of Vessels, 1999
(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
NEWARK BAY, NJ - continued												
				Upbound						Downbound		
FOREIGN												
26	46	41	5	—	—	—	66	57	9	—	—	—
25	44	39	5	—	—	—	72	53	19	—	—	—
24	23	22	1	—	—	—	60	54	6	—	—	—
23	16	16	—	—	—	—	26	19	7	—	—	—
22	5	5	—	—	—	—	29	27	2	—	—	—
21	11	11	—	—	—	—	13	12	1	—	—	—
20	7	7	—	—	—	—	13	10	3	—	—	—
19	4	4	—	—	—	—	10	9	1	—	—	—
≤ 18	59	54	—	4	1	—	76	68	6	2	—	—
DOMESTIC												
Total	4,476	281	359	2,835	175	826	4,459	282	348	2,834	170	825
39	1	1	—	—	—	—	—	—	—	—	—	—
37	2	2	—	—	—	—	—	—	—	—	—	—
36	5	5	—	—	—	—	—	—	—	—	—	—
35	5	5	—	—	—	—	2	2	—	—	—	—
34	2	2	—	—	—	—	3	3	—	—	—	—
33	3	2	1	—	—	—	4	4	—	—	—	—
32	—	—	—	—	—	—	10	10	—	—	—	—
31	2	2	—	—	—	—	9	9	—	—	—	—
30	24	23	1	—	—	—	30	29	1	—	—	—
29	1	—	1	—	—	—	9	8	1	—	—	—
28	1	—	1	—	—	—	15	14	1	—	—	—
27	2	1	1	—	—	—	6	6	—	—	—	—
26	3	3	—	—	—	—	42	42	—	—	—	—
25	7	6	—	—	—	1	3	1	1	—	1	—
24	38	36	—	—	—	2	1	1	—	—	—	—
23	7	7	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	1	—	—	—	—	1
19	1	—	—	—	1	—	2	—	—	1	—	—
≤ 18	4,372	186	354	2,834	175	823	4,322	153	344	2,833	168	824
										Total trips:		12,328
HACKENSACK RIVER, NJ												
				Upbound						Downbound		
Grand Total	503	—	3	221	107	172	498	—	2	219	107	170
DOMESTIC												
Total	503	—	3	221	107	172	498	—	2	219	107	170
23	1	—	—	—	—	1	—	—	—	—	—	—
22	74	—	—	—	73	1	—	—	—	—	—	—
21	32	—	—	—	31	1	—	—	—	—	—	—
20	2	—	—	—	2	—	—	—	—	—	—	—
≤ 18	394	—	3	221	1	169	498	—	2	219	107	170
										Total trips:		1,001
PASSAIC RIVER, NJ												
				Upbound						Downbound		
Grand Total	1,034	—	39	628	11	356	1,029	—	39	628	11	351
DOMESTIC												
Total	1,034	—	39	628	11	356	1,029	—	39	628	11	351
28	—	—	—	—	—	—	1	—	1	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
25	—	—	—	—	—	—	1	—	—	—	—	1
22	2	—	—	—	—	2	—	—	—	—	—	—
21	2	—	—	—	—	2	—	—	—	—	—	—
20	7	—	—	—	—	7	—	—	—	—	—	—
19	5	—	—	—	—	5	—	—	—	—	—	—
18	19	—	—	6	—	13	9	—	1	4	—	4
17	14	—	—	—	—	14	5	—	1	—	—	4
16	49	—	2	34	—	13	34	—	1	30	—	3
15	84	—	4	27	1	52	24	—	1	21	—	2
14	72	—	2	44	2	24	62	—	6	50	1	5
13	115	—	—	86	5	24	108	—	—	82	—	26

Trips and Drafts of Vessels, 1999
(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

PASSAIC RIVER, NJ - continued

Upbound

Downbound

DOMESTIC

≤ 12	664	—	31	431	3	199	785	—	28	441	10	306
Total trips:											10	2,063

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ

Upbound

Downbound

Grand Total	29,146	742	2,437	14,870	4,272	6,825	29,172	749	2,448	14,882	4,275	6,818
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FOREIGN

Total	800	423	359	10	2	6	815	430	369	9	4	3
39	3	1	2	—	—	—	1	1	—	—	—	—
38	8	1	7	—	—	—	5	1	4	—	—	—
37	23	—	23	—	—	—	8	—	8	—	—	—
36	14	2	10	1	—	1	43	38	4	1	—	—
35	265	171	93	—	—	1	175	115	60	—	—	—
34	22	3	19	—	—	—	15	4	11	—	—	—
33	21	1	20	—	—	—	16	8	8	—	—	—
32	84	69	15	—	—	—	22	12	10	—	—	—
31	24	13	11	—	—	—	12	10	2	—	—	—
30	38	22	16	—	—	—	51	25	26	—	—	—
29	33	17	16	—	—	—	33	21	12	—	—	—
28	46	27	19	—	—	—	63	26	37	—	—	—
27	33	17	16	—	—	—	88	24	64	—	—	—
26	30	6	23	1	—	—	96	62	33	—	—	1
25	44	22	22	—	—	—	42	18	23	1	—	—
24	20	4	15	—	1	—	31	4	24	1	2	—
23	14	4	8	1	—	1	20	6	14	—	—	—
22	9	2	7	—	—	—	16	8	8	—	—	—
21	13	10	3	—	—	—	13	8	5	—	—	—
20	9	4	3	1	1	—	7	3	3	1	—	—
19	11	9	2	—	—	—	9	6	3	—	—	—
≤ 18	36	18	9	6	—	3	49	30	10	5	2	2

DOMESTIC

Total	28,346	319	2,078	14,860	4,270	6,819	28,357	319	2,079	14,873	4,271	6,815
38	—	—	—	—	—	—	3	—	3	—	—	—
37	7	—	6	—	—	1	3	—	3	—	—	—
36	3	—	2	—	—	1	9	—	7	—	—	2
35	12	—	5	—	—	7	16	—	4	—	—	12
34	16	—	15	—	—	1	8	—	7	—	—	1
33	13	—	12	—	—	1	11	—	9	—	—	2
32	27	—	20	6	—	1	22	—	13	9	—	—
31	15	—	15	—	—	—	9	—	7	—	—	2
30	23	—	19	—	—	4	21	—	18	—	—	3
29	36	—	18	3	—	15	28	—	15	2	—	11
28	30	—	12	—	—	18	20	—	15	—	—	5
27	42	—	13	—	2	27	84	—	12	—	33	39
26	84	—	10	—	—	74	60	—	13	—	2	45
25	128	—	7	—	2	119	45	—	9	—	—	36
24	155	—	13	—	9	133	79	—	12	—	—	67
23	188	—	1	—	10	177	60	—	4	2	1	53
22	348	—	8	—	4	336	89	—	11	—	1	77
21	181	—	1	15	4	161	78	—	11	19	1	47
20	344	—	5	14	2	323	106	—	19	6	1	80
19	176	—	—	—	2	174	63	—	1	—	2	60
≤ 18	26,518	319	1,896	14,822	4,235	5,246	27,543	319	1,886	14,835	4,230	6,273
Total trips:											4,230	58,318

RARITAN RIVER TO ARTHUR KILL CUT OFF CHANNEL, NJ

Upbound

Downbound

Grand Total	1,503	—	1	781	622	99	1,500	—	1	779	622	98
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DOMESTIC

Total	1,503	—	1	781	622	99	1,500	—	1	779	622	98
23	2	—	—	—	—	2	4	—	—	—	—	4
22	11	—	—	—	—	11	4	—	—	—	—	4

Trips and Drafts of Vessels, 1999
(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												
21	2	—	—	—	—	2	3	—	—	—	—	3
20	2	—	—	—	—	2	2	—	—	—	—	2
19	—	—	—	—	—	—	4	—	—	—	—	4
18	2	—	—	—	—	2	7	—	—	2	—	5
17	—	—	—	—	—	—	3	—	—	—	—	3
16	114	—	—	110	—	4	111	—	—	110	—	1
15	58	—	—	54	—	4	61	—	—	46	12	3
14	7	—	—	2	—	5	4	—	—	2	—	2
13	85	—	—	74	—	11	64	—	—	64	—	—
12	22	—	—	16	—	6	20	—	—	16	—	4
11	285	—	—	118	162	5	136	—	—	128	1	7
10	537	—	—	108	427	2	85	—	—	82	2	1
9	81	—	—	76	4	1	272	—	—	266	5	1
8	213	—	—	209	—	4	32	—	—	29	3	—
7	10	—	—	10	—	—	33	—	—	30	3	—
6	2	—	—	—	2	—	—	—	—	—	—	—
5	4	—	—	—	—	4	9	—	—	—	—	9
4	13	—	1	—	—	12	13	—	1	—	2	10
3	23	—	—	—	1	22	37	—	—	—	2	35
2	30	—	—	4	26	—	596	—	—	4	592	—
										Total trips:		3,003

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS

	Upbound						Downbound					
Grand Total	14,257	9,891	1,214	1,615	591	946	14,113	9,901	1,172	1,533	620	887
FOREIGN												
Total	4,503	3,585	884	18	11	5	4,482	3,560	874	22	14	12
48	15	10	5	—	—	—	4	2	2	—	—	—
47	5	1	4	—	—	—	1	—	1	—	—	—
46	56	22	34	—	—	—	—	—	—	—	—	—
45	32	8	24	—	—	—	12	3	9	—	—	—
44	7	2	5	—	—	—	1	1	—	—	—	—
43	8	2	6	—	—	—	3	1	2	—	—	—
42	45	7	38	—	—	—	9	5	4	—	—	—
41	18	13	5	—	—	—	2	1	1	—	—	—
40	58	20	38	—	—	—	13	9	4	—	—	—
39	126	102	24	—	—	—	60	54	5	—	1	—
38	143	109	34	—	—	—	127	118	8	—	—	1
37	123	50	72	—	1	—	24	17	7	—	—	—
36	117	81	34	1	—	1	93	88	4	1	—	—
35	1,193	995	197	—	—	1	687	665	22	—	—	—
34	273	230	43	—	—	—	218	209	9	—	—	—
33	183	146	37	—	—	—	188	170	18	—	—	—
32	293	256	37	—	—	—	212	197	15	—	—	—
31	220	201	19	—	—	—	230	219	11	—	—	—
30	210	174	36	—	—	—	324	245	79	—	—	—
29	123	94	29	—	—	—	157	134	23	—	—	—
28	252	224	28	—	—	—	328	233	95	—	—	—
27	162	135	27	—	—	—	290	154	136	—	—	—
26	151	125	25	1	—	—	314	190	123	—	—	1
25	169	142	25	—	1	1	291	195	95	1	—	—
24	116	103	10	—	3	—	224	161	60	1	2	—
23	83	71	10	1	—	1	146	113	33	—	—	—
22	35	24	8	1	2	—	106	67	38	—	1	—
21	55	48	6	—	1	—	83	70	13	—	—	—
20	45	35	9	1	—	—	61	45	12	1	2	1
19	32	32	—	—	—	—	34	27	7	—	—	—
18	28	25	1	2	—	—	54	33	18	3	—	—
17	17	8	5	3	1	—	21	13	4	2	—	2
16	61	59	1	1	—	—	24	18	4	1	—	1
15	10	9	—	—	—	1	28	22	4	1	—	1
14	11	6	2	3	—	—	12	9	1	2	—	—
13	2	2	—	—	—	—	5	2	—	1	1	1
≤ 12	26	14	6	4	2	—	96	70	7	8	7	4
DOMESTIC												
Total	9,754	6,306	330	1,597	580	941	9,631	6,341	298	1,511	606	875
41	3	—	3	—	—	—	—	—	—	—	—	—
40	3	—	3	—	—	—	—	—	—	—	—	—
38	1	—	1	—	—	—	—	—	—	—	—	—
37	10	—	9	—	—	1	—	—	—	—	—	—

Trips and Drafts of Vessels, 1999
(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												
36	18	6	9	—	—	3	—	—	—	—	—	—
35	17	3	4	—	—	10	6	—	3	—	—	3
34	17	7	8	—	—	2	7	5	2	—	—	—
33	14	2	11	—	—	1	4	3	1	—	—	—
32	19	—	15	4	—	—	16	8	2	5	—	1
31	14	—	13	—	—	1	17	11	6	—	—	—
30	36	22	12	—	—	2	37	27	9	—	—	1
29	24	—	11	2	—	11	15	5	7	1	—	2
28	21	1	11	—	—	9	18	11	5	—	—	2
27	47	1	5	—	—	41	39	9	7	—	13	10
26	32	2	8	—	1	21	31	16	6	—	1	8
25	59	5	4	—	2	48	46	32	7	—	2	5
24	99	33	7	—	4	55	19	1	4	—	4	10
23	63	15	4	2	22	20	16	1	3	—	6	6
22	132	—	2	—	78	52	37	1	7	—	2	27
21	107	—	5	15	72	15	34	—	9	9	7	9
20	56	—	3	6	10	37	46	—	20	—	13	13
19	26	—	1	1	2	22	23	4	1	1	6	11
18	33	—	—	8	2	23	26	—	7	2	1	16
17	64	—	1	28	1	34	41	—	—	26	2	13
16	120	—	—	57	4	59	210	—	7	45	144	14
15	165	—	2	130	3	30	160	—	—	138	8	14
14	111	—	—	86	5	20	111	—	20	74	—	17
13	104	2	—	88	2	12	125	2	4	93	—	26
≤ 12	8,339	6,207	178	1,170	372	412	8,547	6,205	161	1,117	397	667
										Total trips:		28,370

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

	Upbound						Downbound					
Grand Total	10,960	810	22	4,921	4,162	1,045	10,953	802	21	4,922	4,163	1,045

FOREIGN

Total	122	109	13	—	—	—	118	106	12	—	—	—
36	5	5	—	—	—	—	2	2	—	—	—	—
34	1	1	—	—	—	—	—	—	—	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
32	1	1	—	—	—	—	—	—	—	—	—	—
31	21	20	1	—	—	—	7	7	—	—	—	—
30	5	4	1	—	—	—	4	4	—	—	—	—
29	3	3	—	—	—	—	5	5	—	—	—	—
28	16	14	2	—	—	—	8	8	—	—	—	—
27	7	6	1	—	—	—	3	3	—	—	—	—
26	1	1	—	—	—	—	7	6	1	—	—	—
25	9	4	5	—	—	—	24	21	3	—	—	—
24	2	2	—	—	—	—	12	11	1	—	—	—
23	3	3	—	—	—	—	19	16	3	—	—	—
22	7	5	2	—	—	—	4	2	2	—	—	—
21	10	10	—	—	—	—	2	1	1	—	—	—
20	13	13	—	—	—	—	4	4	—	—	—	—
19	9	9	—	—	—	—	—	—	—	—	—	—
18	4	4	—	—	—	—	4	3	1	—	—	—
17	1	1	—	—	—	—	—	—	—	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	1	1	—	—	—	—	7	7	—	—	—	—
14	—	—	—	—	—	—	1	1	—	—	—	—
≤ 12	1	1	—	—	—	—	5	5	—	—	—	—

DOMESTIC

Total	10,838	701	9	4,921	4,162	1,045	10,835	696	9	4,922	4,163	1,045
35	3	3	—	—	—	—	—	—	—	—	—	—
34	3	3	—	—	—	—	—	—	—	—	—	—
29	2	—	—	—	—	2	—	—	—	—	—	—
28	6	—	—	—	—	6	—	—	—	—	—	—
27	5	—	—	—	—	5	80	—	—	—	80	—
26	18	—	—	—	1	17	10	—	—	—	8	2
25	27	—	—	—	—	27	2	—	—	—	—	2
24	45	—	—	—	4	41	5	—	—	—	1	4
23	70	—	—	—	21	49	3	1	—	—	—	2

Trips and Drafts of Vessels, 1999
(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 ALBANY, NY - continued

	Inbound						Outbound					
FOREIGN												
29	2	2	—	—	—	—	4	4	—	—	—	—
28	6	4	2	—	—	—	5	5	—	—	—	—
27	4	3	1	—	—	—	2	2	—	—	—	—
26	1	1	—	—	—	—	6	5	1	—	—	—
25	8	4	4	—	—	—	15	12	3	—	—	—
24	1	1	—	—	—	—	7	6	1	—	—	—
23	3	3	—	—	—	—	8	6	2	—	—	—
22	6	4	2	—	—	—	4	2	2	—	—	—
21	9	9	—	—	—	—	1	—	1	—	—	—
20	12	12	—	—	—	—	3	3	—	—	—	—
19	5	5	—	—	—	—	—	—	—	—	—	—
18	3	3	—	—	—	—	4	3	1	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	1	1	—	—	—	—	3	3	—	—	—	—
14	—	—	—	—	—	—	1	1	—	—	—	—
≤ 12	1	1	—	—	—	—	—	—	—	—	—	—

DOMESTIC

Total	922	1	1	414	—	506	924	2	1	414	—	507
29	2	—	—	—	—	2	—	—	—	—	—	—
28	3	—	—	—	—	3	—	—	—	—	—	—
27	2	—	—	—	—	2	—	—	—	—	—	—
26	7	—	—	—	—	7	2	—	—	—	—	2
25	18	—	—	—	—	18	2	—	—	—	—	2
24	27	—	—	—	—	27	4	—	—	—	—	4
23	42	—	—	—	—	42	2	—	—	—	—	2
22	62	—	—	—	—	62	5	—	—	—	—	5
21	34	—	—	—	—	34	—	—	—	—	—	—
20	52	—	—	10	—	42	3	—	—	—	—	3
19	45	—	—	—	—	45	—	—	—	—	—	—
18	44	—	—	8	—	36	4	—	—	2	—	2
17	57	—	1	—	—	56	3	—	—	—	—	3
16	76	—	—	44	—	32	70	—	—	66	—	4
15	131	—	—	110	—	21	79	—	—	74	—	5
14	36	—	—	28	—	8	17	—	—	16	—	1
13	46	—	—	32	—	14	27	—	—	26	—	1
≤ 12	238	1	—	182	—	55	706	2	1	230	—	473
										Total trips:		1,997

HEMPSTEAD HARBOR, NY

	Inbound						Outbound					
Grand Total	1,173	5	1	589	455	123	1,170	4	1	588	455	122
DOMESTIC												
Total	1,173	5	1	589	455	123	1,170	4	1	588	455	122
15	1	—	—	—	—	1	—	—	—	—	—	—
13	55	—	—	8	—	47	9	—	—	8	—	1
12	140	—	—	4	81	55	4	—	—	2	—	2
11	244	—	1	52	179	12	48	—	—	48	—	—
10	134	1	—	4	123	6	22	—	1	8	13	—
9	139	—	—	79	60	—	112	—	—	77	35	—
8	157	1	—	152	4	—	174	1	—	159	14	—
7	298	—	—	290	8	—	289	—	—	286	3	—
≤ 6	5	3	—	—	—	2	512	3	—	—	390	119
										Total trips:		2,343

PORT JEFFERSON HARBOR, NY

	Inbound						Outbound					
Grand Total	9,630	8,889	4	289	163	285	9,602	8,879	5	288	154	276
FOREIGN												
Total	1	—	1	—	—	—	2	—	2	—	—	—
27	1	—	1	—	—	—	1	—	1	—	—	—
26	—	—	—	—	—	—	1	—	1	—	—	—

Trips and Drafts of Vessels, 1999
(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 JEFFERSON HARBOR, NY - continued
Inbound

Outbound

DOMESTIC

Total	9,629	8,889	3	289	163	285	9,600	8,879	3	288	154	276
26	3	—	—	—	—	3	—	—	—	—	—	—
25	13	—	—	—	—	13	—	—	—	—	—	—
24	7	—	—	—	—	7	—	—	—	—	—	—
23	6	—	—	—	—	6	—	—	—	—	—	—
22	6	—	—	—	—	6	1	—	—	—	—	1
21	15	—	—	—	—	15	—	—	—	—	—	—
20	87	—	—	—	—	87	—	—	—	—	—	—
19	13	—	—	—	—	13	—	—	—	—	—	—
18	83	—	—	18	—	65	—	—	—	—	—	—
17	95	—	1	35	—	59	20	—	—	20	—	—
16	26	—	—	22	—	4	4	—	—	4	—	—
15	10	—	2	6	—	2	6	—	—	6	—	—
14	16	—	—	14	—	2	12	—	—	12	—	—
13	12	—	—	10	—	2	8	—	—	8	—	—
≤ 12	9,237	8,889	—	184	163	1	9,549	8,879	3	238	154	275
										Total trips:		19,232

BRONX RIVER, NY
(12 feet and less)

Upbound

Downbound

Grand Total	189	—	—	91	98	—	187	—	—	92	95	—
										Total trips:		376

BROWNS CREEK, NY
(8 feet and less)

Upbound

Downbound

Grand Total	11,517	11,517	—	—	—	—	11,517	11,517	—	—	—	—
										Total trips:		23,034

BURLINGTON HARBOR, VT
(8 feet and less)

Inbound

Outbound

Grand Total	1,619	1,619	—	—	—	—	1,619	1,619	—	—	—	—
										Total trips:		3,238

CHEESEQUAKE CREEK, NJ
No Vessel Trips Reported

CONEY ISLAND CREEK, NY
(10 feet and less)

Upbound

Downbound

Grand Total	5	—	—	3	2	—	4	—	—	2	2	—
										Total trips:		9

ECHO BAY HARBOR, NY
No Vessel Trips Reported

ELIZABETH RIVER, NJ
No Vessel Trips Reported

FIRE ISLAND INLET, NY
No Vessel Trips Reported

Trips and Drafts of Vessels, 1999
(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
GLEN COVE CREEK, NY (12 feet and less)												
				Upbound						Downbound		
Grand Total	314	6	—	154	154	—	313	6	—	154	153	—
										Total trips:		627
GLEN COVE HARBOR, NY No Vessel Trips Reported												
GREAT KILLS HARBOR, STATEN ISLAND, NY No Vessel Trips Reported												
GREAT SOUTH BAY, NY (9 feet and less)												
				Upbound						Downbound		
Grand Total	28,726	28,720	—	5	—	1	28,724	28,720	—	3	—	1
										Total trips:		57,450
GREENPORT HARBOR, NY (6 feet and less)												
				Inbound						Outbound		
Grand Total	37,777	37,777	—	—	—	—	37,776	37,776	—	—	—	—
										Total trips:		75,553
HARLEM RIVER, NY (12 feet and less)												
				Upbound						Downbound		
Grand Total	6	—	4	2	—	—	6	—	4	2	—	—
										Total trips:		12
HUNTINGTON HARBOR, NY No Vessel Trips Reported												
JONES INLET, NY No Vessel Trips Reported												
KEYPORT HARBOR, NJ No Vessel Trips Reported												
LAKE MONTAUK HARBOR, NY No Vessel Trips Reported												
LARCHMONT HARBOR, NY (4 feet and less)												
				Upbound						Downbound		
Grand Total	1	1	—	—	—	—	1	1	—	—	—	—
										Total trips:		2
LEMON CREEK, STATEN ISLAND, NY No Vessel Trips Reported												
LONG ISLAND INTRACOASTAL WATERWAY, NY (9 feet and less)												
				Upbound						Downbound		
Grand Total	754	752	—	2	—	—	757	755	—	2	—	—
										Total trips:		1,511

Trips and Drafts of Vessels, 1999
(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
MAMARONECK HARBOR, NY (10 feet and less)												
				Upbound						Downbound		
Grand Total	71	—	—	71	—	—	70	—	—	70	—	—
										Total trips:	—	141
MANHASSET BAY, NY (14 feet and less)												
				Upbound						Downbound		
Grand Total	219	167	1	20	—	31	218	167	1	20	—	30
										Total trips:	—	437
MATTITUCK HARBOR, NY No Vessel Trips Reported												
NARROWS OF LAKE CHAMPLAIN, NY AND VT No Vessel Trips Reported												
NEW ROCHELLE HARBOR, NY (5 feet and less)												
				Upbound						Downbound		
Grand Total	63	63	—	—	—	—	63	63	—	—	—	—
										Total trips:	—	126
NORTHPORT HARBOR, NY (15 feet and less)												
				Inbound						Outbound		
Grand Total	98	88	—	10	—	—	98	88	—	10	—	—
										Total trips:	—	196
OROWOC CREEK, NY No Vessel Trips Reported												
PATCHOGUE RIVER, NY (6 feet and less)												
				Inbound						Outbound		
Grand Total	2,235	2,235	—	—	—	—	2,235	2,235	—	—	—	—
										Total trips:	—	4,470
PECONIC RIVER, NY (9 feet and less)												
				Upbound						Downbound		
Grand Total	152	152	—	—	—	—	138	138	—	—	—	—
										Total trips:	—	290
PEEKSKILL HARBOR, NY No Vessel Trips Reported												
PORT CHESTER HARBOR, NY (14 feet and less)												
				Upbound						Downbound		
Grand Total	75	—	73	1	1	—	74	—	72	1	1	—
										Total trips:	—	149
PORT HENRY HARBOR, NY No Vessel Trips Reported												
RAHWAY RIVER, NJ No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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
RONDOUT HARBOR, NY (15 feet and less)												
				Inbound							Outbound	
Grand Total	272	258	---	---	---	14	271	258	---	---	---	13
										Total trips:		543
ROUSES POINT, NY No Vessel Trips Reported												
SAG HARBOR, NY (9 feet and less)												
				Inbound							Outbound	
Grand Total	41,613	41,611	---	2	---	---	41,613	41,611	---	2	---	---
										Total trips:		83,226
SANDY HOOK BAY AT LEONARDO, NJ (14 feet and less)												
				Upbound							Downbound	
Grand Total	21	7	1	11	---	2	19	7	1	9	---	2
										Total trips:		40
SANDY HOOK BAY, NJ (13 feet and less)												
				Upbound							Downbound	
Grand Total	2,198	2,194	---	4	---	---	2,199	2,194	1	4	---	---
										Total trips:		4,397
SANDY HOOK CHANNEL, NY (18 feet and less)												
				Upbound							Downbound	
Grand Total	15	1	---	14	---	---	15	1	---	14	---	---
										Total trips:		30
SAUGERTIES HARBOR, NY No Vessel Trips Reported												
SHARK RIVER, NJ No Vessel Trips Reported												
SHEEPSHEAD BAY, NY (8 feet and less)												
				Upbound							Downbound	
Grand Total	2	---	---	2	---	---	---	---	---	---	---	---
										Total trips:		2
SHINNECOCK INLET, NY No Vessel Trips Reported												
SHOAL HARBOR AND COMPTON CREEK, NJ (10 feet and less)												
				Upbound							Downbound	
Grand Total	322	300	---	22	---	---	322	300	---	22	---	---
										Total trips:		644

Trips and Drafts of Vessels, 1999
(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
SHREWSBURY RIVER, NJ (12 feet and less)												
				Upbound						Downbound		
Grand Total	2,855	2,853	---	2	---	---	2,857	2,853	---	4	---	---
										Total trips:	---	5,712
TARRYTOWN HARBOR, NY (12 feet and less)												
				Inbound						Outbound		
Grand Total	365	78	---	149	137	1	362	78	---	158	125	1
										Total trips:		727
WALLABOUT CHANNEL, NY (12 feet and less)												
				Upbound						Downbound		
Grand Total	---	---	---	---	---	---	2	---	---	2	---	---
										Total trips:		2
WAYCAKE CREEK, NJ No Vessel Trips Reported												
WESTCHESTER CREEK, NY (13 feet and less)												
				Upbound						Downbound		
Grand Total	173	---	---	102	---	71	170	---	---	102	---	68
										Total trips:		343
GOWANUS CANAL, NY (14 feet and less)												
				Upbound						Downbound		
Grand Total	571	---	48	226	150	147	559	---	47	225	142	145
										Total trips:		1,130
GRAVESEND BAY, NY (40 feet and less)												
				Upbound						Downbound		
Grand Total	516	8	38	53	321	96	514	8	36	52	321	97
										Total trips:		1,030
OYSTER BAY, NY (16 feet and less)												
				Upbound						Downbound		
Grand Total	123	---	21	14	---	88	119	---	21	16	---	82
SANDY HOOK BAY, NJ (26 feet and less)												
				Upbound						Downbound		
Grand Total	7	3	1	3	---	---	6	3	---	3	---	---
										Total trips:	---	13

Trips and Drafts of Vessels, 1999
(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	5,780	351	115	3,858	152	1,304	5,774	329	117	3,857	160	1,311

FOREIGN

Total	316	250	66	---	---	---	310	241	69	---	---	---
43	1	---	1	---	---	---	---	---	---	---	---	---
40	5	---	5	---	---	---	1	---	1	---	---	---
39	9	1	8	---	---	---	---	---	---	---	---	---
38	18	13	5	---	---	---	1	1	---	---	---	---
37	14	11	3	---	---	---	1	1	---	---	---	---
36	16	13	3	---	---	---	1	1	---	---	---	---
35	13	10	3	---	---	---	---	---	---	---	---	---
34	4	3	1	---	---	---	2	2	---	---	---	---
33	13	10	3	---	---	---	15	3	12	---	---	---
32	38	32	6	---	---	---	23	18	5	---	---	---
31	27	26	1	---	---	---	18	16	2	---	---	---
30	24	21	3	---	---	---	28	25	3	---	---	---
29	13	13	---	---	---	---	17	12	5	---	---	---
28	15	12	3	---	---	---	25	18	7	---	---	---
27	15	10	5	---	---	---	17	10	7	---	---	---
26	20	16	4	---	---	---	16	8	8	---	---	---
25	12	11	1	---	---	---	16	12	4	---	---	---
24	20	14	6	---	---	---	34	25	9	---	---	---
23	12	7	5	---	---	---	22	17	5	---	---	---
22	6	6	---	---	---	---	10	9	1	---	---	---
21	4	4	---	---	---	---	12	12	---	---	---	---
20	6	6	---	---	---	---	20	20	---	---	---	---
19	2	2	---	---	---	---	11	11	---	---	---	---
18	3	3	---	---	---	---	9	9	---	---	---	---
17	1	1	---	---	---	---	4	4	---	---	---	---
16	1	1	---	---	---	---	4	4	---	---	---	---
15	---	---	---	---	---	---	1	1	---	---	---	---
14	1	1	---	---	---	---	1	1	---	---	---	---
13	1	1	---	---	---	---	---	---	---	---	---	---
≤ 12	2	2	---	---	---	---	1	1	---	---	---	---

DOMESTIC

Total	5,464	101	49	3,858	152	1,304	5,464	88	48	3,857	160	1,311
40	3	---	3	---	---	---	---	---	---	---	---	---
37	1	---	1	---	---	---	---	---	---	---	---	---
36	1	---	1	---	---	---	1	---	1	---	---	---
35	5	---	4	---	---	1	---	---	---	---	---	---
34	1	---	1	---	---	---	---	---	---	---	---	---
33	---	---	---	---	---	---	3	---	3	---	---	---
32	1	---	1	---	---	---	3	---	3	---	---	---
31	---	---	---	---	---	---	1	---	1	---	---	---
30	4	---	4	---	---	---	1	---	1	---	---	---
28	1	---	1	---	---	---	5	---	5	---	---	---
27	8	2	2	---	---	4	82	78	4	---	---	---
26	95	88	4	---	---	3	4	4	---	---	---	---
25	7	---	7	---	---	---	9	---	9	---	---	---
24	5	---	3	---	---	2	6	---	6	---	---	---
23	3	2	1	---	---	---	2	---	2	---	---	---
22	14	---	2	---	11	1	4	---	3	---	1	---
21	23	---	4	---	17	2	3	---	3	---	---	---
20	7	---	4	---	2	1	---	---	---	---	---	---
19	6	---	2	---	---	4	1	---	1	---	---	---
18	10	8	---	---	1	1	6	6	---	---	---	---
17	61	1	---	3	55	2	5	---	---	4	---	1
16	313	---	---	135	56	122	180	---	---	142	31	7
15	109	---	4	95	4	6	113	---	6	100	4	3
14	258	---	---	171	---	87	181	---	---	168	---	13
13	215	---	---	173	1	41	308	---	---	295	1	12
≤ 12	4,313	---	---	3,281	5	1,027	4,546	---	---	3,148	123	1,275
										Total trips:		11,554

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)

	Upbound						Downbound					
Grand Total	32,537	11,763	1,090	12,646	2,183	4,855	32,507	11,734	1,092	12,646	2,164	4,871

FOREIGN

Total	2,852	1,996	823	9	18	6	2,831	1,968	826	10	22	5
43	50	10	40	---	---	---	---	---	---	---	---	---
41	2	---	2	---	---	---	---	---	---	---	---	---
40	91	9	77	---	5	---	4	---	4	---	---	---

Trips and Drafts of Vessels, 1999
(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) - continued

	Upbound						Downbound					
FOREIGN												
39	55	10	45	—	—	—	1	—	1	—	—	—
38	294	48	245	—	—	1	6	2	4	—	—	—
37	100	31	69	—	—	—	12	5	7	—	—	—
36	57	23	32	—	—	2	9	5	4	—	—	—
35	55	27	27	—	—	1	7	3	4	—	—	—
34	80	39	40	—	—	1	16	9	7	—	—	—
33	60	29	31	—	—	—	30	10	20	—	—	—
32	108	79	29	—	—	—	45	32	13	—	—	—
31	83	60	23	—	—	—	39	26	13	—	—	—
30	84	62	17	1	1	3	144	68	76	—	—	—
29	120	101	18	—	—	—	74	46	28	—	—	—
28	155	139	16	—	—	—	336	110	226	—	—	—
27	193	171	21	—	—	1	235	115	119	—	—	—
26	139	120	18	—	—	1	299	139	154	—	1	—
25	154	147	7	—	—	—	184	151	33	—	—	—
24	224	202	22	—	—	—	190	158	31	—	—	1
23	158	144	13	—	—	1	164	139	25	—	—	—
22	101	97	4	—	—	—	134	116	18	—	—	—
21	109	105	3	1	—	—	172	164	7	—	—	1
20	83	80	3	—	—	—	137	128	9	—	—	—
19	45	37	8	—	—	—	113	104	7	—	2	—
≤ 18	252	226	13	7	5	1	480	438	16	10	13	3
DOMESTIC												
Total	29,685	9,767	267	12,637	2,165	4,849	29,676	9,766	266	12,636	2,142	4,866
40	146	—	3	—	—	143	—	—	—	—	—	—
39	2	—	2	—	—	—	—	—	—	—	—	—
38	1	—	1	—	—	—	—	—	—	—	—	—
37	126	—	94	—	—	32	11	—	10	—	—	1
36	39	—	38	—	—	1	4	—	4	—	—	—
35	94	—	4	—	—	90	17	—	1	—	—	16
34	2	—	2	—	—	—	3	—	2	—	—	1
33	2	—	2	—	—	—	10	—	9	—	—	1
32	10	—	3	6	—	1	15	—	8	7	—	—
31	5	—	5	—	—	—	6	—	4	—	—	2
30	27	—	20	—	—	7	16	—	7	—	—	9
29	14	—	8	2	—	4	69	—	5	1	—	63
28	12	—	7	—	—	5	30	—	10	—	—	20
27	32	—	7	—	11	14	60	—	8	—	—	52
26	23	3	9	—	1	10	59	—	7	—	—	52
25	111	87	14	—	1	9	168	79	14	—	—	75
24	20	—	4	—	2	14	85	—	8	—	—	77
23	17	2	—	—	4	11	44	3	4	—	2	35
22	54	—	7	—	12	35	166	—	7	—	43	116
21	39	—	—	8	19	12	104	—	3	16	58	27
20	68	—	6	25	2	35	143	—	6	36	13	88
19	70	—	2	25	1	42	104	—	2	24	5	73
≤ 18	28,771	9,675	29	12,571	2,112	4,384	28,562	9,684	147	12,552	2,021	4,158
											Total trips:	65,044

DELAWARE RIVER AT CAMDEN, NJ

	Inbound						Outbound					
Grand Total	5,726	652	35	3,989	81	969	5,713	644	37	3,984	77	971
FOREIGN												
Total	684	650	32	1	1	—	677	642	34	—	1	—
43	1	—	1	—	—	—	—	—	—	—	—	—
40	5	—	5	—	—	—	1	—	1	—	—	—
39	10	2	8	—	—	—	—	—	—	—	—	—
38	9	4	5	—	—	—	—	—	—	—	—	—
37	8	5	3	—	—	—	1	1	—	—	—	—
36	4	1	3	—	—	—	2	2	—	—	—	—
35	7	4	3	—	—	—	1	1	—	—	—	—
34	14	14	—	—	—	—	5	5	—	—	—	—
33	3	2	1	—	—	—	12	2	10	—	—	—
32	14	13	1	—	—	—	6	4	2	—	—	—
31	11	11	—	—	—	—	3	2	1	—	—	—

Trips and Drafts of Vessels, 1999
(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

30	16	15	1	—	—	—	15	12	3	—	—	—
29	48	48	—	—	—	—	19	17	2	—	—	—
28	25	25	—	—	—	—	36	31	5	—	—	—
27	67	66	1	—	—	—	21	19	2	—	—	—
26	49	49	—	—	—	—	52	48	4	—	—	—
25	52	52	—	—	—	—	63	61	2	—	—	—
24	69	69	—	—	—	—	40	39	1	—	—	—
23	39	38	—	—	1	—	24	23	1	—	—	—
22	43	43	—	—	—	—	31	31	—	—	—	—
21	40	39	—	1	—	—	38	38	—	—	—	—
20	33	33	—	—	—	—	44	44	—	—	—	—
19	11	11	—	—	—	—	56	55	—	—	1	—
≤ 18	106	106	—	—	—	—	207	207	—	—	—	—

DOMESTIC

Total	5,042	2	3	3,988	80	969	5,036	2	3	3,984	76	971
40	3	—	3	—	—	—	—	—	—	—	—	—
35	1	—	—	—	—	1	—	—	—	—	—	—
33	—	—	—	—	—	—	1	—	1	—	—	—
32	—	—	—	—	—	—	1	—	1	—	—	—
28	1	—	—	—	—	1	1	—	1	—	—	—
27	5	—	—	—	—	5	—	—	—	—	—	—
26	4	—	—	—	—	4	—	—	—	—	—	—
25	—	—	—	—	—	—	1	—	—	—	—	1
24	—	—	—	—	—	—	1	—	—	—	—	1
23	1	—	—	—	—	1	—	—	—	—	—	—
22	3	—	—	—	—	3	1	—	—	—	—	1
21	2	—	—	—	—	2	—	—	—	—	—	—
20	26	—	—	25	—	1	31	—	—	24	2	5
19	32	—	—	25	—	7	27	—	—	24	3	—
≤ 18	4,964	2	—	3,938	80	944	4,972	2	—	3,936	71	963
Total trips:											11,439	

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

Upbound

Downbound

Grand Total	32,908	11,763	1,090	12,952	2,169	4,934	32,897	11,734	1,092	12,957	2,175	4,939
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FOREIGN

Total	2,852	1,996	823	9	18	6	2,831	1,968	826	10	22	5
43	50	10	40	—	—	—	—	—	—	—	—	—
41	2	—	2	—	—	—	—	—	—	—	—	—
40	91	9	77	—	5	—	4	—	4	—	—	—
39	55	10	45	—	—	—	1	—	1	—	—	—
38	294	48	245	—	1	—	6	2	4	—	—	—
37	100	31	69	—	—	—	12	5	7	—	—	—
36	57	23	32	—	2	—	9	5	4	—	—	—
35	55	27	27	—	1	—	7	3	4	—	—	—
34	80	39	40	—	1	—	16	9	7	—	—	—
33	60	29	31	—	—	—	30	10	20	—	—	—
32	108	79	29	—	—	—	45	32	13	—	—	—
31	83	60	23	—	—	—	39	26	13	—	—	—
30	84	62	17	1	1	3	144	68	76	—	—	—
29	120	101	18	—	—	1	74	46	28	—	—	—
28	155	139	16	—	—	—	336	110	226	—	—	—
27	193	171	21	—	—	1	235	115	119	—	1	—
26	139	120	18	—	1	—	299	139	154	—	6	—
25	154	147	7	—	—	—	184	151	33	—	—	—
24	224	202	22	—	—	—	190	158	31	—	—	1
23	158	144	13	—	1	—	164	139	25	—	—	—
22	101	97	4	—	—	—	134	116	18	—	—	—
21	109	105	3	1	—	—	172	164	7	—	—	1
20	83	80	3	—	—	—	137	128	9	—	—	—
19	45	37	8	—	—	—	113	104	7	—	2	—
≤ 18	252	226	13	7	5	1	480	438	16	10	13	3

DOMESTIC

Total	30,056	9,767	267	12,943	2,151	4,928	30,066	9,766	266	12,947	2,153	4,934
40	146	—	3	—	—	143	—	—	—	—	—	—
39	2	—	2	—	—	—	—	—	—	—	—	—
38	1	—	1	—	—	—	—	—	—	—	—	—
37	115	—	83	—	—	32	11	—	10	—	—	1

Trips and Drafts of Vessels, 1999
(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												
36	39	—	38	—	—	1	4	—	4	—	—	—
35	94	—	4	—	—	90	17	—	1	—	—	16
34	2	—	2	—	—	—	3	—	2	—	—	1
33	2	—	2	—	—	—	10	—	9	—	—	1
32	10	—	3	6	—	1	15	—	8	7	—	—
31	5	—	5	—	—	—	6	—	4	—	—	2
30	27	—	20	—	—	7	16	—	7	—	—	9
29	14	—	8	2	—	4	69	—	5	1	—	63
28	12	—	7	—	—	5	30	—	10	—	—	20
27	32	—	7	—	11	14	60	—	8	—	—	52
26	23	3	9	—	1	10	59	—	7	—	—	52
25	111	87	14	—	1	9	168	79	14	—	—	75
24	20	—	4	—	2	14	85	—	8	—	—	77
23	17	2	—	—	4	11	44	3	4	—	2	35
22	53	—	6	—	12	35	166	—	7	—	43	116
21	51	—	12	8	19	12	104	—	3	16	58	27
20	68	—	6	25	2	35	143	—	6	36	13	88
19	71	—	2	25	1	43	104	—	2	24	5	73
≤ 18	29,141	9,675	29	12,877	2,098	4,462	28,952	9,684	147	12,863	2,032	4,226
										Total trips:		65,805

SCHUYLKILL RIVER, PA

	Upbound						Downbound					
Grand Total	3,276	3	21	1,894	9	1,349	3,276	3	23	1,894	8	1,348

FOREIGN

Total	19	3	15	—	1	—	19	3	16	—	—	—
34	—	—	—	—	—	—	—	—	1	—	—	—
31	3	—	3	—	—	—	—	—	—	—	—	—
30	3	1	2	—	—	—	1	—	1	—	—	—
29	1	—	1	—	—	—	1	—	1	—	—	—
28	2	1	1	—	—	—	4	—	4	—	—	—
27	2	—	2	—	—	—	1	—	1	—	—	—
26	3	—	3	—	—	—	2	1	1	—	—	—
25	1	—	1	—	—	—	3	2	1	—	—	—
24	1	—	1	—	—	—	2	—	2	—	—	—
23	—	—	—	—	—	—	1	—	1	—	—	—
21	1	—	1	—	—	—	—	—	—	—	—	—
20	1	1	—	—	—	—	1	—	1	—	—	—
19	—	—	—	—	—	—	1	—	1	—	—	—
18	—	—	—	—	—	—	1	—	1	—	—	—
15	1	—	—	—	1	—	—	—	—	—	—	—

DOMESTIC

Total	3,257	—	6	1,894	8	1,349	3,257	—	7	1,894	8	1,348
37	—	—	—	—	—	—	1	—	1	—	—	—
35	2	—	—	—	—	2	6	—	—	—	—	6
30	1	—	—	—	—	1	3	—	1	—	—	2
29	1	—	—	—	—	1	2	—	—	—	—	2
28	1	—	1	—	—	—	2	—	—	—	—	2
27	1	—	1	—	—	—	40	—	—	—	—	40
26	—	—	—	—	—	—	14	—	—	—	—	14
25	2	—	1	—	—	1	33	—	1	—	—	32
24	4	—	—	—	—	4	30	—	—	—	—	30
23	4	—	—	—	—	4	10	—	—	—	—	10
22	6	—	1	—	—	5	24	—	1	—	—	23
21	7	—	—	2	—	5	7	—	2	2	—	3
20	14	—	—	—	—	14	27	—	—	2	—	25
19	8	—	—	—	—	8	38	—	—	—	—	38
18	3	—	—	—	—	3	3	—	—	—	—	3
17	17	—	—	4	—	13	10	—	—	6	—	4
16	196	—	2	118	—	76	161	—	1	108	—	52
15	91	—	—	82	—	9	118	—	—	97	—	21
14	235	—	—	166	—	69	193	—	—	148	—	45
13	338	—	—	291	—	47	391	—	—	295	—	96
≤ 12	2,326	—	—	1,231	8	1,087	2,144	—	—	1,236	8	900
										Total trips:		6,552

Trips and Drafts of Vessels, 1999
(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	10,411	975	322	6,821	48	2,245	10,364	947	297	6,811	41	2,268

FOREIGN

Total	700	496	193	---	11	---	655	481	172	---	1	1
43	34	8	26	---	---	---	---	---	---	---	---	---
40	13	3	5	---	5	---	---	---	---	---	---	---
39	10	7	3	---	---	---	---	---	---	---	---	---
38	81	13	67	---	1	---	1	---	1	---	---	---
37	9	7	2	---	---	---	2	1	1	---	---	---
36	8	7	---	---	1	---	2	---	2	---	---	---
35	21	10	10	---	1	---	---	---	---	---	---	---
34	12	11	1	---	---	---	4	3	1	---	---	---
33	12	8	4	---	---	---	7	3	4	---	---	---
32	37	28	9	---	---	---	16	13	3	---	---	---
31	30	23	7	---	---	---	23	15	8	---	---	---
30	29	24	5	---	---	---	29	22	7	---	---	---
29	26	20	6	---	---	---	25	16	9	---	---	---
28	43	37	6	---	---	---	52	32	20	---	---	---
27	40	30	10	---	---	---	21	11	10	---	---	---
26	38	28	9	---	1	---	98	34	64	---	---	---
25	23	21	2	---	---	---	30	23	7	---	---	---
24	82	72	10	---	---	---	61	47	14	---	---	---
23	60	54	6	---	---	---	33	24	9	---	---	---
22	27	26	1	---	---	---	38	36	2	---	---	---
21	20	19	1	---	---	---	50	50	---	---	---	---
20	19	18	1	---	---	---	47	45	2	---	---	---
19	3	3	---	---	---	---	23	21	2	---	---	---
≤ 18	23	19	2	---	2	---	93	85	6	---	1	1

DOMESTIC

Total	9,711	479	129	6,821	37	2,245	9,709	466	125	6,811	40	2,267
40	69	---	---	---	---	69	---	---	---	---	---	---
37	53	---	42	---	---	11	2	---	2	---	---	---
36	15	---	15	---	---	---	3	---	3	---	---	---
35	28	---	4	---	---	24	11	---	---	---	---	11
34	1	---	1	---	---	---	---	---	---	---	---	---
33	---	---	---	---	---	---	2	---	2	---	---	---
32	7	---	4	3	---	---	5	---	2	3	---	---
31	3	---	3	---	---	---	2	---	2	---	---	---
30	12	---	9	---	---	3	11	---	3	---	---	8
29	7	---	4	2	---	1	7	---	3	1	---	3
28	5	---	3	---	---	2	10	---	8	---	---	2
27	7	2	4	---	---	1	125	78	6	---	---	41
26	97	88	7	---	---	2	22	4	2	---	---	16
25	10	---	9	---	---	1	44	---	12	---	---	32
24	8	---	4	---	---	---	37	---	6	---	---	31
23	7	2	1	---	---	---	12	---	2	---	---	10
22	11	---	4	---	---	---	29	---	5	---	---	24
21	11	---	3	2	1	5	11	---	6	2	---	3
20	20	---	4	---	---	16	40	---	4	4	---	32
19	9	---	2	---	---	7	41	---	1	---	---	40
≤ 18	9,331	387	6	6,814	36	2,088	9,295	384	56	6,801	40	2,014
										Total trips:		20,775

TRENTON HARBOR, NJ

	Inbound						Outbound					
Grand Total	557	---	---	286	147	124	559	---	---	289	151	119

DOMESTIC

Total	557	---	---	286	147	124	559	---	---	289	151	119
22	11	---	---	---	11	---	1	---	---	---	1	---
21	17	---	---	---	17	---	---	---	---	---	---	---
20	2	---	---	---	2	---	---	---	---	---	---	---
18	1	---	---	---	1	---	---	---	---	---	---	---
17	57	---	---	3	54	---	4	---	---	4	---	---
16	209	---	---	73	56	80	103	---	---	72	31	---
15	25	---	---	21	4	---	30	---	---	26	4	---
14	47	---	---	4	---	43	5	---	---	5	---	---
13	4	---	---	4	---	---	3	---	---	3	---	---
12	1	---	---	1	---	---	1	---	---	1	---	---

Trips and Drafts of Vessels, 1999
(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												
11	60	—	—	60	—	—	57	—	—	57	—	—
10	21	—	—	20	—	1	20	—	—	20	—	—
9	2	—	—	2	—	—	2	—	—	2	—	—
8	4	—	—	4	—	—	4	—	—	4	—	—
≤ 6	96	—	—	94	2	—	329	—	—	95	115	119
										Total trips:		1,116

WILMINGTON HARBOR, DE

	Inbound						Outbound					
Grand Total	1,756	424	19	674	13	626	1,781	429	28	676	18	630
FOREIGN												
Total	443	424	19	—	—	—	463	429	28	1	5	—
41	3	—	3	—	—	—	—	—	—	—	—	—
38	4	2	2	—	—	—	—	—	—	—	—	—
37	4	3	1	—	—	—	1	—	1	—	—	—
36	1	—	1	—	—	—	2	2	—	—	—	—
35	1	1	—	—	—	—	1	1	—	—	—	—
34	8	6	2	—	—	—	—	—	—	—	—	—
33	7	7	—	—	—	—	3	2	1	—	—	—
32	15	13	2	—	—	—	3	3	—	—	—	—
31	6	4	2	—	—	—	2	2	—	—	—	—
30	7	7	—	—	—	—	9	9	—	—	—	—
29	24	23	1	—	—	—	4	4	—	—	—	—
28	56	56	—	—	—	—	13	11	2	—	—	—
27	61	59	2	—	—	—	63	60	3	—	—	—
26	31	30	1	—	—	—	45	33	10	—	2	—
25	46	45	1	—	—	—	40	38	2	—	—	—
24	51	50	1	—	—	—	45	42	3	—	—	—
23	41	41	—	—	—	—	71	70	1	—	—	—
22	22	22	—	—	—	—	32	29	3	—	—	—
21	17	17	—	—	—	—	37	36	1	—	—	—
20	12	12	—	—	—	—	23	22	1	—	—	—
19	8	8	—	—	—	—	14	14	—	—	—	—
≤ 18	18	18	—	—	—	—	55	51	—	1	3	—
Total	1,313	—	—	674	13	626	1,318	—	—	675	13	630
28	2	—	—	—	—	2	—	—	—	—	—	—
27	3	—	—	—	—	3	—	—	—	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
25	4	—	—	—	—	4	—	—	—	—	—	—
24	1	—	—	—	—	1	—	—	—	—	—	—
22	3	—	—	—	—	3	—	—	—	—	—	—
21	2	—	—	2	—	—	—	—	—	—	—	—
20	3	—	—	—	—	3	—	—	—	—	—	—
19	1	—	—	—	—	1	—	—	—	—	—	1
≤ 18	1,293	—	—	672	13	608	1,317	—	—	675	13	629
										Total trips:		3,537

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

	Upbound						Downbound					
Grand Total	4,568	456	8	2,094	1,288	722	4,549	437	18	2,085	1,287	722
FOREIGN												
Total	344	343	1	—	—	—	325	325	—	—	—	—
32	34	34	—	—	—	—	34	34	—	—	—	—
31	25	25	—	—	—	—	23	23	—	—	—	—
30	24	24	—	—	—	—	22	22	—	—	—	—
29	22	22	—	—	—	—	16	16	—	—	—	—
28	21	21	—	—	—	—	24	24	—	—	—	—
27	24	24	—	—	—	—	22	22	—	—	—	—
26	28	27	1	—	—	—	30	30	—	—	—	—
25	57	57	—	—	—	—	51	51	—	—	—	—
24	23	23	—	—	—	—	23	23	—	—	—	—

Trips and Drafts of Vessels, 1999
(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												
23	17	17	—	—	—	—	22	22	—	—	—	—
22	19	19	—	—	—	—	16	16	—	—	—	—
21	12	12	—	—	—	—	10	10	—	—	—	—
20	19	19	—	—	—	—	8	8	—	—	—	—
19	1	1	—	—	—	—	—	—	—	—	—	—
18	4	4	—	—	—	—	5	5	—	—	—	—
17	2	2	—	—	—	—	4	4	—	—	—	—
16	1	1	—	—	—	—	3	3	—	—	—	—
15	1	1	—	—	—	—	—	—	—	—	—	—
14	1	1	—	—	—	—	1	1	—	—	—	—
13	—	—	—	—	—	—	2	2	—	—	—	—
≤ 12	9	9	—	—	—	—	9	9	—	—	—	—
DOMESTIC												
Total	4,224	113	7	2,094	1,288	722	4,224	112	18	2,085	1,287	722
32	5	—	3	2	—	—	13	—	5	5	—	3
29	1	—	1	—	—	—	9	—	4	1	—	4
28	1	—	1	—	—	—	5	—	5	—	—	—
27	1	—	—	—	—	1	15	—	—	—	11	4
26	1	—	—	—	—	1	13	—	1	—	1	11
25	5	—	—	—	—	5	9	—	3	—	1	5
24	3	—	—	—	—	3	8	—	—	—	2	6
23	5	—	—	—	2	3	5	—	—	—	4	1
22	57	—	—	—	54	3	31	—	—	—	1	30
21	78	—	1	—	76	1	10	—	—	2	1	7
20	14	—	—	—	13	1	12	—	—	4	—	8
19	3	—	—	—	2	1	21	—	—	—	3	18
18	7	—	—	2	3	2	5	—	—	—	—	5
17	100	—	—	42	56	2	64	—	—	41	—	23
16	219	—	1	104	105	9	355	—	—	106	128	121
15	101	—	—	79	7	15	146	—	—	86	12	48
14	45	—	—	27	5	13	64	—	—	23	—	41
13	111	—	—	87	2	22	166	—	—	74	—	92
≤ 12	3,467	113	—	1,751	963	640	3,273	112	—	1,743	1,123	295
										Total trips:		9,117

ABSECON CREEK, NJ
No Vessel Trips Reported

ABSECON INLET, NJ
(13 feet and less)

	Upbound						Downbound					
Grand Total	475	475	—	—	—	—	474	474	—	—	—	—
										Total trips:		949

ALLOWAY CREEK, NJ
No Vessel Trips Reported

APPOQUINIMINK RIVER, DE
No Vessel Trips Reported

BARNEGAT INLET, NJ
(9 feet and less)

	Upbound						Downbound					
Grand Total	882	882	—	—	—	—	882	882	—	—	—	—
										Total trips:		1,764

BIG TIMBER CREEK, NJ
No Vessel Trips Reported

BROADKILL RIVER, DE
No Vessel Trips Reported

Trips and Drafts of Vessels, 1999
(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 MAY CANAL, NJ (9 feet and less)												
				Upbound						Downbound		
Grand Total	4,844	4,840	---	4	---	---	4,844	4,840	---	4	---	---
										Total trips:		9,688
COHANSEY RIVER, NJ (9 feet and less)												
				Upbound						Downbound		
Grand Total	150	150	---	---	---	---	150	150	---	---	---	---
										Total trips:		300
COLD SPRING INLET, NJ (9 feet and less)												
				Upbound						Downbound		
Grand Total	2,665	2,665	---	---	---	---	2,666	2,666	---	---	---	---
										Total trips:		5,331
COOPER RIVER, NJ No Vessel Trips Reported												
HARBOR OF REFUGE, DELAWARE BAY, DE (13 feet and less)												
				Inbound						Outbound		
Grand Total	3,285	3,278	---	5	2	---	3,287	3,283	---	3	1	---
										Total trips:		6,572
HOPE CREEK, NJ No Vessel Trips Reported												
INDIAN RIVER INLET AND BAY, DE (6 feet and less)												
				Upbound						Downbound		
Grand Total	151	151	---	---	---	---	151	151	---	---	---	---
										Total trips:		302
INLAND WATERWAY BETWEEN REHOBOTH BAY AND DELAWARE BAY, DE (6 feet and less)												
				Upbound						Downbound		
Grand Total	153	152	---	1	---	---	151	151	---	---	---	---
										Total trips:		304
LEIPSIC RIVER, DE (2 feet and less)												
				Upbound						Downbound		
Grand Total	120	120	---	---	---	---	120	120	---	---	---	---
										Total trips:		240
LITTLE EGG HARBOR, NJ No Vessel Trips Reported												
LITTLE RIVER, DE No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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 (9 feet and less)												
				Upbound						Downbound		
Grand Total	564	560	---	4	---	---	564	560	---	4	---	---
										Total trips:	---	1,128
MANTUA CREEK, NJ (7 feet and less)												
				Upbound						Downbound		
Grand Total	2	---	---	2	---	---	2	---	---	2	---	---
										Total trips:	---	4
MAURICE RIVER, NJ (9 feet and less)												
				Upbound						Downbound		
Grand Total	423	423	---	---	---	---	424	424	---	---	---	---
										Total trips:	---	847
MISPILLION RIVER, DE (8 feet and less)												
				Upbound						Downbound		
Grand Total	2,800	2,800	---	---	---	---	2,800	2,800	---	---	---	---
										Total trips:	---	5,600
MURDERKILL RIVER, DE (9 feet and less)												
				Upbound						Downbound		
Grand Total	223	223	---	---	---	---	223	223	---	---	---	---
										Total trips:	---	446
NEW JERSEY INTRACOASTAL WATERWAY (9 feet and less)												
				Upbound						Downbound		
Grand Total	9,705	9,701	---	4	---	---	9,704	9,700	---	4	---	---
										Total trips:	---	19,409
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	61	55	---	5	1	---	60	55	---	5	---	---
										Total trips:	---	121
SMYRNA RIVER, DE No Vessel Trips Reported												
ST. JONES RIVER, DE No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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	201	201	---	---	---	---	201	201	---	---	---	---
											Total trips:	402

TUCKERTON CREEK, NJ
No Vessel Trips Reported

WATERWAY FROM INDIAN RIVER INLET TO REHOBOTH BAY, DE
(6 feet and less)

	Upbound						Downbound					
Grand Total	151	151	---	---	---	---	153	152	---	1	---	---
											Total trips:	304

Trips and Drafts of Vessels, 1999
(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	13,803	3,111	161	7,041	1,664	1,826	13,794	3,123	159	7,038	1,650	1,824

FOREIGN

Total	1,750	1,594	141	8	4	3	1,751	1,606	140	3	1	1
45	34	33	1	—	—	—	28	28	—	—	—	—
44	7	7	—	—	—	—	2	2	—	—	—	—
43	4	3	1	—	—	—	2	2	—	—	—	—
42	2	—	2	—	—	—	6	6	—	—	—	—
41	1	—	1	—	—	—	6	6	—	—	—	—
40	6	1	5	—	—	—	9	8	1	—	—	—
39	11	8	3	—	—	—	8	8	—	—	—	—
38	22	14	8	—	—	—	6	6	—	—	—	—
37	19	11	8	—	—	—	13	11	2	—	—	—
36	25	20	5	—	—	—	11	11	—	—	—	—
35	33	29	4	—	—	—	17	16	1	—	—	—
34	48	41	7	—	—	—	29	28	1	—	—	—
33	70	56	14	—	—	—	38	37	1	—	—	—
32	132	125	7	—	—	—	88	87	1	—	—	—
31	112	105	7	—	—	—	66	66	—	—	—	—
30	127	122	5	—	—	—	124	119	5	—	—	—
29	180	170	10	—	—	—	164	157	7	—	—	—
28	190	172	18	—	—	—	168	153	15	—	—	—
27	110	105	4	—	—	1	130	119	11	—	—	—
26	126	119	6	—	1	—	139	121	18	—	—	—
25	129	123	5	—	1	—	131	116	15	—	—	—
24	113	111	2	—	—	—	155	144	11	—	—	—
23	71	66	4	—	1	—	81	70	11	—	—	—
22	57	52	2	2	—	1	60	55	5	—	—	—
21	31	26	4	1	—	—	91	75	16	—	—	—
20	24	21	3	—	—	—	41	38	3	—	—	—
19	16	11	1	2	1	1	22	22	—	—	—	—
≤ 18	50	43	4	3	—	—	116	95	16	3	1	1

DOMESTIC

Total	12,053	1,517	20	7,033	1,660	1,823	12,043	1,517	19	7,035	1,649	1,823
33	2	—	2	—	—	—	—	—	—	—	—	—
32	4	—	2	2	—	—	3	—	1	2	—	—
30	1	—	1	—	—	—	—	—	—	—	—	—
29	4	—	4	—	—	—	1	—	1	—	—	—
28	5	—	5	—	—	—	5	—	5	—	—	—
27	14	—	1	—	10	3	2	—	2	—	—	—
26	12	—	2	—	4	6	2	—	2	—	—	—
25	7	—	1	—	2	4	3	—	2	—	—	1
24	16	—	2	—	8	6	3	—	1	—	2	—
23	9	—	—	—	5	4	13	—	1	—	12	—
22	110	—	—	—	89	21	170	—	1	—	168	1
21	178	—	—	—	173	5	214	—	2	—	212	—
20	30	—	—	2	22	6	40	—	—	—	39	1
19	16	—	—	—	2	14	12	—	—	—	12	—
≤ 18	11,645	1,517	—	7,029	1,345	1,754	11,575	1,517	1	7,033	1,204	1,820
										Total trips:		27,597

SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD

	Upbound						Downbound					
Grand Total	1,691	—	—	819	872	—	1,725	—	—	841	884	—

DOMESTIC

Total	1,691	—	—	819	872	—	1,725	—	—	841	884	—
12	—	—	—	—	—	—	2	—	—	—	2	—
11	—	—	—	—	—	—	30	—	—	—	30	—
10	323	—	—	311	12	—	583	—	—	318	265	—
9	151	—	—	151	—	—	387	—	—	152	235	—
8	321	—	—	321	—	—	572	—	—	315	257	—
7	4	—	—	4	—	—	46	—	—	14	32	—
6	32	—	—	32	—	—	88	—	—	42	46	—
5	130	—	—	—	130	—	8	—	—	—	8	—
4	82	—	—	—	82	—	4	—	—	—	4	—
3	156	—	—	—	156	—	4	—	—	—	4	—
2	492	—	—	—	492	—	1	—	—	—	1	—
										Total trips:		3,416

Trips and Drafts of Vessels, 1999
(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
NANTICOKE RIVER (INCLUDING NORTHWEST FORK), DE AND MD												
	Upbound						Downbound					
Grand Total	774	89	---	338	253	94	753	89	---	325	245	94
DOMESTIC												
Total	774	89	---	338	253	94	753	89	---	325	245	94
15	3	---	---	---	---	3	---	---	---	---	---	---
13	1	---	---	---	---	1	---	---	---	---	---	---
12	9	---	---	---	2	7	22	---	---	---	22	---
11	19	---	---	---	3	16	5	---	---	---	3	2
10	135	---	---	43	84	8	80	---	---	41	39	---
9	150	---	---	70	54	26	104	---	---	59	37	8
8	105	---	---	72	15	18	96	---	---	71	13	12
7	128	---	---	116	3	9	121	---	---	116	5	---
≤ 6	224	89	---	37	92	6	325	89	---	38	126	72
										Total trips:		1,527
WICOMICO RIVER, MD (EASTERN SHORE)												
	Upbound						Downbound					
Grand Total	1,080	---	---	564	309	207	1,043	---	---	543	304	196
DOMESTIC												
Total	1,080	---	---	564	309	207	1,043	---	---	543	304	196
16	20	---	---	---	---	20	---	---	---	---	---	---
15	8	---	---	---	---	8	---	---	---	---	---	---
14	53	---	---	---	---	53	---	---	---	---	---	---
13	6	---	---	---	---	6	---	---	---	---	---	---
12	17	---	---	---	---	17	4	---	---	---	---	4
11	55	---	---	2	50	3	2	---	---	2	---	---
10	472	---	---	221	160	91	206	---	---	205	---	1
9	100	---	---	54	42	4	52	---	---	52	---	---
8	64	---	---	30	29	5	31	---	---	30	1	---
7	56	---	---	48	8	---	48	---	---	48	---	---
≤ 6	229	---	---	209	20	---	700	---	---	206	303	191
										Total trips:		2,123
POCOMOKE RIVER, MD												
	Upbound						Downbound					
Grand Total	625	95	---	188	334	8	601	95	---	182	316	8
DOMESTIC												
Total	625	95	---	188	334	8	601	95	---	182	316	8
12	4	---	---	---	4	---	---	---	---	---	---	---
11	5	---	---	---	5	---	---	---	---	---	---	---
10	15	---	---	13	2	---	13	---	---	13	---	---
9	48	---	---	31	17	---	115	90	---	25	---	---
8	181	---	---	136	45	---	180	---	---	134	38	8
7	12	---	---	2	10	---	39	---	---	4	35	---
≤ 6	360	95	---	6	251	8	254	5	---	6	243	---
										Total trips:		1,226
WASHINGTON HARBOR, DC												
	Inbound						Outbound					
Grand Total	2,966	1,936	---	511	474	45	2,981	1,936	---	526	474	45
DOMESTIC												
Total	2,966	1,936	---	511	474	45	2,981	1,936	---	526	474	45
15	2	---	---	---	---	2	---	---	---	---	---	---
14	1	---	---	---	---	1	---	---	---	---	---	---
13	8	---	---	---	---	8	---	---	---	---	---	---
≤ 12	2,955	1,936	---	511	474	34	2,981	1,936	---	526	474	45
										Total trips:		5,947

Trips and Drafts of Vessels, 1999
(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

ANACOSTIA RIVER, DC

			Upbound							Downbound			
Grand Total	1,022	---	---	508	469	45	1,037	---	---	523	469	45	

DOMESTIC

Total	1,022	---	---	508	469	45	1,037	---	---	523	469	45
15	2	---	---	---	---	2	---	---	---	---	---	---
14	1	---	---	---	---	1	---	---	---	---	---	---
13	8	---	---	---	---	8	---	---	---	---	---	---
≤ 12	1,011	---	---	508	469	34	1,037	---	---	523	469	45
										Total trips:		2,059

POTOMAC RIVER BELOW WASHINGTON, DC

			Upbound							Downbound			
Grand Total	6,332	3,918	15	1,245	921	233	6,320	3,915	18	1,247	920	220	

FOREIGN

Total	37	22	11	2	2	---	35	20	13	1	1	---
36	1	1	---	---	---	---	1	---	1	---	---	---
35	5	3	2	---	---	---	1	---	1	---	---	---
34	3	---	3	---	---	---	---	---	---	---	---	---
33	1	---	1	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	2	2	---	---	---	---
29	1	---	1	---	---	---	1	1	---	---	---	---
27	2	---	2	---	---	---	2	---	2	---	---	---
26	---	---	---	---	---	---	2	---	2	---	---	---
25	3	---	2	---	1	---	1	---	1	---	---	---
24	---	---	---	---	---	---	3	---	3	---	---	---
23	---	---	---	---	---	---	1	---	1	---	---	---
22	2	1	---	1	---	---	---	---	---	1	---	---
21	2	1	---	---	1	---	3	1	2	---	---	---
20	---	---	---	---	---	---	1	1	---	---	---	---
19	1	1	---	---	---	---	1	1	---	---	---	---
≤ 18	16	15	---	1	---	---	15	14	---	---	1	---

DOMESTIC

Total	6,295	3,896	4	1,243	919	233	6,285	3,895	5	1,246	919	220
35	---	---	---	---	---	---	2	2	---	---	---	---
33	---	---	---	---	---	---	1	1	---	---	---	---
31	---	---	---	---	---	---	1	---	---	---	---	1
29	3	---	---	---	---	3	---	---	---	---	---	---
28	---	---	---	---	---	---	1	---	---	---	---	1
27	---	---	---	---	---	---	1	---	---	---	---	1
26	4	---	---	---	---	4	1	---	---	---	---	1
25	1	---	---	---	---	1	11	---	---	---	---	11
24	2	---	---	---	---	2	1	---	---	---	---	1
23	---	---	---	---	---	---	3	---	---	---	---	3
22	9	---	---	---	---	9	3	---	---	---	---	3
21	5	---	---	2	---	3	4	---	1	2	---	1
20	1	---	1	---	---	---	1	---	---	---	---	1
19	3	---	---	---	---	3	---	---	---	---	---	---
≤ 18	6,267	3,896	3	1,241	919	208	6,255	3,895	1	1,244	919	196
										Total trips:		12,652

BRETON BAY, MD

			Upbound							Downbound			
Grand Total	342	---	---	169	173	---	344	---	---	171	173	---	

DOMESTIC

Total	342	---	---	169	173	---	344	---	---	171	173	---
11	1	---	---	1	---	---	5	---	---	1	4	---
10	21	---	---	21	---	---	59	---	---	21	38	---
9	33	---	---	33	---	---	73	---	---	33	40	---
8	111	---	---	111	---	---	143	---	---	112	31	---
7	3	---	---	3	---	---	11	---	---	4	7	---
6	---	---	---	---	---	---	51	---	---	---	51	---
5	1	---	---	---	1	---	1	---	---	---	1	---

Trips and Drafts of Vessels, 1999
(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												
3	74	—	—	—	74	—	—	—	—	—	—	—
2	96	—	—	—	96	—	—	—	—	—	—	—
1	2	—	—	—	2	—	1	—	—	—	1	—
											Total trips:	686
OCOQUAN CREEK, VA												
				Upbound						Downbound		
Grand Total	626	—	—	317	309	—	614	—	—	305	309	—
DOMESTIC												
Total	626	—	—	317	309	—	614	—	—	305	309	—
9	12	—	—	4	8	—	4	—	—	4	—	—
8	360	—	—	313	47	—	302	—	—	301	1	—
7	12	—	—	—	12	—	—	—	—	—	—	—
6	212	—	—	—	212	—	—	—	—	—	—	—
5	28	—	—	—	28	—	—	—	—	—	—	—
4	1	—	—	—	1	—	—	—	—	—	—	—
3	1	—	—	—	1	—	182	—	—	—	182	—
2	—	—	—	—	—	—	126	—	—	—	126	—
											Total trips:	1,240
ANNAPOLIS HARBOR, MD												
(8 feet and less)												
				Inbound						Outbound		
Grand Total	1,646	1,646	—	—	—	—	1,646	1,646	—	—	—	—
											Total trips:	3,292
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												
No Vessel Trips Reported												
BROAD CREEK, SOMERSET COUNTY, MD												
No Vessel Trips Reported												
BROADWATER CREEK, MD												
No Vessel Trips Reported												
CADLE CREEK, MD												
No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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
CAMBRIDGE HARBOR, MD (9 feet and less)												
				Inbound						Outbound		
Grand Total	2	—	—	2	—	—	3	—	—	1	2	—
										Total trips:		5
CHANNEL TO ISLAND CREEK, ST. GEORGE ISLAND, MD No Vessel Trips Reported												
CHESTER RIVER, MD (9 feet and less)												
				Upbound						Downbound		
Grand Total	33	32	—	—	1	—	33	32	—	—	1	—
										Total trips:		66
CHOPTANK RIVER, MD (11 feet and less)												
				Upbound						Downbound		
Grand Total	231	25	—	101	105	—	220	25	—	100	95	—
										Total trips:		451
CLAIBORNE HARBOR, MD No Vessel Trips Reported												
COAN RIVER, VA No Vessel Trips Reported												
CORSICA RIVER, MD No Vessel Trips Reported												
CRISFIELD HARBOR, MD (8 feet and less)												
				Inbound						Outbound		
Grand Total	1,176	1,131	—	—	—	45	1,177	1,132	—	—	—	45
										Total trips:		2,353
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	123	108	—	—	15	—	121	108	—	4	9	—
										Total trips:		244
FISHING BAY TRIBUTARIES, DORCHESTER COUNTY, MD No Vessel Trips Reported												
FISHING CREEK, CALVERT COUNTY, MD (4 feet and less)												
				Upbound						Downbound		
Grand Total	2	—	—	1	1	—	2	—	—	1	1	—
										Total trips:		4
GOOSE CREEK, SOMMERSET COUNTY, MD No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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 (3 feet and less)												
				Upbound						Downbound		
Grand Total	28	14	—	14	—	—	34	14	—	20	—	—
										Total trips:	—	62
ISLAND CREEK, MD No Vessel Trips Reported												
KNAPPS NARROWS, MD (7 feet and less)												
				Upbound						Downbound		
Grand Total	3	—	—	2	1	—	3	—	—	2	1	—
										Total trips:	—	6
LAKE OGLETON, MD (8 feet and less)												
				Inbound						Outbound		
Grand Total	2	—	—	1	1	—	2	—	—	1	1	—
										Total trips:	—	4
LITTLE CREEK, QUEEN ANNES COUNTY, MD No Vessel Trips Reported												
LITTLE WICOMICO RIVER, VA (3 feet and less)												
				Upbound						Downbound		
Grand Total	9,627	9,627	—	—	—	—	9,627	9,627	—	—	—	—
										Total trips:	—	19,254
LOWER MACHODOC CREEK, VA No Vessel Trips Reported												
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	1	—	—	1	—	—	—	—	—	—	—	—
										Total trips:	—	1
MIDDLE RIVER AND DARK HEAD CREEK, MD (7 feet and less)												
				Upbound						Downbound		
Grand Total	4	—	—	3	1	—	4	—	—	3	1	—
										Total trips:	—	8
MILL CREEK, MD No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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	
MONROE BAY AND CREEK, VA No Vessel Trips Reported													
MUDDY HOOK AND TYLER COVES, MD No Vessel Trips Reported													
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													
OCEAN CITY HARBOR AND INLET AND SINEPUXENT BAY, MD (9 feet and less)													
			Inbound							Outbound			
Grand Total	829	828	---	1	---	---	829	828	---	1	---	---	
										Total trips:	---	1,658	
PARISH CREEK, MD No Vessel Trips Reported													
PATUXENT RIVER, MD (12 feet and less)													
			Upbound							Downbound			
Grand Total	96	---	---	44	31	21	94	---	---	43	31	20	
										Total trips:	---	190	
POTOMAC RIVER AT ALEXANDRIA, VA (20 feet and less)													
			Inbound							Outbound			
Grand Total	3,638	3,636	---	1	1	---	3,636	3,634	---	1	1	---	
										Total trips:	---	7,274	
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	621	621	---	---	---	---	621	621	---	---	---	---	
										Total trips:	---	1,242	

Trips and Drafts of Vessels, 1999
(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, VIRGINIA CHANNEL, DC (6 feet and less)												
				Upbound							Downbound	
Grand Total	993	993	---	---	---	---	993	993	---	---	---	---
										Total trips:		1,986
POTOMAC RIVER, WASHINGTON CHANNEL, DC (8 feet and less)												
				Upbound							Downbound	
Grand Total	951	943	---	3	5	---	951	943	---	3	5	---
										Total trips:		1,902
QUEENSTOWN HARBOR, MD No Vessel Trips Reported												
RHODES POINT TO TYLERTON, SOMERSET COUNTY, MD (7 feet and less)												
				Upbound							Downbound	
Grand Total	240	240	---	---	---	---	240	240	---	---	---	---
										Total trips:		480
ROCK HALL HARBOR, MD No Vessel Trips Reported												
SLAUGHTER CREEK, MD No Vessel Trips Reported												
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												
ST. PATRICKS CREEK, MD No Vessel Trips Reported												
ST. PETERS CREEK, MD No Vessel Trips Reported												
TILGHMAN ISLAND HARBOR, MD (9 feet and less)												
				Inbound							Outbound	
Grand Total	3	---	---	1	2	---	3	---	---	1	2	---
										Total trips:		6
TOWN CREEK, MD (7 feet and less)												
				Upbound							Downbound	
Grand Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:		2

Trips and Drafts of Vessels, 1999
(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
TRED AVON RIVER, MD (11 feet and less)												
				Upbound							Downbound	
Grand Total	5,154	4,977	—	91	86	—	5,155	4,977	—		92	86
											Total trips:	10,309
TWITCH COVE AND BIG THOROUGHFARE RIVER, MD (8 feet and less)												
				Upbound							Downbound	
Grand Total	634	589	—	—	—	45	634	589	—		—	45
											Total trips:	1,268
TYASKIN CREEK, MD No Vessel Trips Reported												
UPPER MACHODOC CREEK, VA No Vessel Trips Reported												
UPPER THOROUGHFARE, DEAL ISLAND, MD (7 feet and less)												
				Upbound							Downbound	
Grand Total	—	—	—	—	—	—	1	—	—		1	—
											Total trips:	1
WARWICK RIVER, MD No Vessel Trips Reported												
WATERWAY FROM LITTLE CHOPTANK RIVER TO CHOPTANK RIVER, MD No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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	14,104	3,271	423	6,313	3,266	831	13,990	3,273	347	6,306	3,260	804		

FOREIGN

Total	1,798	1,698	91	5	3	1	1,765	1,700	61	2	2	—
50	—	—	—	—	—	—	57	57	—	—	—	—
49	—	—	—	—	—	—	6	6	—	—	—	—
48	—	—	—	—	—	—	12	12	—	—	—	—
47	—	—	—	—	—	—	14	14	—	—	—	—
46	—	—	—	—	—	—	8	8	—	—	—	—
45	1	—	1	—	—	—	7	7	—	—	—	—
44	3	—	3	—	—	—	3	3	—	—	—	—
43	—	—	—	—	—	—	7	7	—	—	—	—
42	3	1	2	—	—	—	16	16	—	—	—	—
41	3	1	2	—	—	—	7	7	—	—	—	—
40	6	1	5	—	—	—	13	13	—	—	—	—
39	27	20	7	—	—	—	34	34	—	—	—	—
38	13	9	2	1	—	1	27	27	—	—	—	—
37	32	26	6	—	—	—	51	50	1	—	—	—
36	68	65	3	—	—	—	76	76	—	—	—	—
35	79	76	3	—	—	—	87	87	—	—	—	—
34	121	119	2	—	—	—	114	113	1	—	—	—
33	115	113	2	—	—	—	91	89	2	—	—	—
32	204	202	2	—	—	—	252	249	3	—	—	—
31	184	181	3	—	—	—	112	111	1	—	—	—
30	149	146	3	—	—	—	106	104	2	—	—	—
29	195	193	1	—	1	—	151	150	1	—	—	—
28	135	132	3	—	—	—	74	69	5	—	—	—
27	80	78	2	—	—	—	73	71	2	—	—	—
26	66	64	2	—	—	—	64	59	5	—	—	—
25	61	50	11	—	—	—	43	33	9	—	1	—
24	50	39	11	—	—	—	32	27	5	—	—	—
23	31	27	4	—	—	—	28	22	6	—	—	—
22	31	30	1	—	—	—	52	48	4	—	—	—
21	29	24	5	—	—	—	44	38	6	—	—	—
20	22	21	1	—	—	—	19	17	2	—	—	—
19	12	11	1	—	—	—	20	16	4	—	—	—
≤ 18	78	69	3	4	2	—	65	60	2	2	1	—

DOMESTIC

Total	12,306	1,573	332	6,308	3,263	830	12,225	1,573	286	6,304	3,258	804
37	2	1	1	—	—	—	—	—	—	—	—	—
36	1	—	1	—	—	—	—	—	—	—	—	—
35	3	—	1	—	—	2	—	—	—	—	—	—
34	7	4	3	—	—	—	21	21	—	—	—	—
33	3	3	—	—	—	—	1	—	1	—	—	—
32	5	3	—	2	—	—	3	1	—	2	—	—
31	7	6	1	—	—	—	—	—	—	—	—	—
30	26	25	1	—	—	—	3	2	—	—	—	1
29	—	—	—	—	—	—	1	1	—	—	—	—
28	—	—	—	—	—	—	1	1	—	—	—	—
27	14	11	—	—	3	—	—	—	—	—	—	—
26	1	—	—	—	—	1	10	8	—	—	1	1
25	1	—	—	—	—	1	1	—	1	—	—	—
24	4	—	—	—	2	2	1	—	—	—	—	1
23	23	13	—	—	8	2	24	23	—	—	—	1
22	17	—	1	—	2	14	15	—	—	—	13	2
21	12	—	—	2	10	—	26	—	—	3	23	—
20	12	—	—	1	8	3	24	—	1	—	22	1
19	35	30	—	—	3	2	5	—	1	—	3	1
≤ 18	12,133	1,477	323	6,303	3,227	803	12,089	1,516	282	6,299	3,196	796
										Total trips:		28,094

HAMPTON ROADS, VA

			Inbound						Outbound					
Grand Total	16,286	3,744	425	7,259	3,996	862	16,379	3,901	395	7,256	3,966	861		

FOREIGN

Total	2,255	2,130	114	5	4	2	2,379	2,287	85	4	2	1
50	—	—	—	—	—	—	57	57	—	—	—	—
49	—	—	—	—	—	—	6	6	—	—	—	—
48	—	—	—	—	—	—	17	17	—	—	—	—
47	—	—	—	—	—	—	21	21	—	—	—	—

Trips and Drafts of Vessels, 1999
(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												
46	—	—	—	—	—	—	30	30	—	—	—	—
45	1	—	1	—	—	—	16	16	—	—	—	—
44	3	—	3	—	—	—	6	6	—	—	—	—
43	—	—	—	—	—	—	10	10	—	—	—	—
42	3	1	2	—	—	—	21	21	—	—	—	—
41	3	1	2	—	—	—	10	10	—	—	—	—
40	7	2	5	—	—	—	14	14	—	—	—	—
39	27	20	7	—	—	—	37	37	—	—	—	—
38	14	10	2	1	—	1	33	32	—	1	—	—
37	35	29	6	—	—	—	55	54	1	—	—	—
36	70	67	3	—	—	—	83	83	—	—	—	—
35	85	82	3	—	—	—	91	91	—	—	—	—
34	136	132	4	—	—	—	131	130	1	—	—	—
33	134	131	3	—	—	—	103	101	2	—	—	—
32	192	188	4	—	—	—	313	310	3	—	—	—
31	231	224	7	—	—	—	136	135	1	—	—	—
30	192	187	5	—	—	—	144	139	4	—	—	1
29	205	201	3	—	1	—	229	224	5	—	—	—
28	185	181	4	—	—	—	118	112	6	—	—	—
27	135	129	6	—	—	—	113	108	5	—	—	—
26	118	115	3	—	—	—	116	108	8	—	—	—
25	95	83	12	—	—	—	74	62	11	—	1	—
24	75	64	11	—	—	—	56	49	7	—	—	—
23	60	55	5	—	—	—	50	41	9	—	—	—
22	52	50	2	—	—	—	86	81	5	—	—	—
21	40	35	5	—	—	—	48	42	6	—	—	—
20	31	29	2	—	—	—	27	24	3	—	—	—
19	19	18	1	—	—	—	23	18	5	—	—	—
≤ 18	107	96	3	4	3	1	105	98	3	3	1	—

DOMESTIC

Total	14,031	1,614	311	7,254	3,992	860	14,000	1,614	310	7,252	3,964	860
37	2	1	1	—	—	—	—	—	—	—	—	—
36	1	—	1	—	—	—	—	—	—	—	—	—
35	3	—	1	—	—	2	—	—	—	—	—	—
34	7	4	3	—	—	—	28	28	—	—	—	—
33	3	3	—	—	—	—	1	—	1	—	—	—
32	5	3	—	2	—	—	3	1	—	2	—	—
31	7	6	1	—	—	—	—	—	—	—	—	—
30	27	25	2	—	—	—	3	2	—	—	—	1
29	—	—	—	—	—	—	1	1	—	—	—	—
28	—	—	—	—	—	—	2	1	1	—	—	—
27	14	11	—	—	3	—	—	—	—	—	—	—
26	1	—	—	—	—	1	10	8	—	—	1	1
25	1	—	—	—	—	1	1	—	1	—	—	—
24	4	—	—	—	2	2	1	—	—	—	—	1
23	29	18	—	—	8	3	38	37	—	—	—	1
22	18	—	1	—	2	15	247	—	—	—	245	2
21	12	—	—	2	10	—	311	—	—	3	308	—
20	13	—	—	1	9	3	54	—	2	—	51	1
19	53	45	—	—	6	2	12	—	1	—	10	1
≤ 18	13,831	1,498	301	7,249	3,952	831	13,288	1,536	304	7,247	3,349	852
Total trips:											32,665	

CHANNEL TO NEWPORT NEWS, VA

	Upbound						Downbound					
Grand Total	12,445	906	91	6,907	4,236	305	12,453	901	93	6,912	4,236	311
FOREIGN												
Total	665	639	23	—	2	1	660	632	24	2	1	1
48	—	—	—	—	—	—	5	5	—	—	—	—
47	—	—	—	—	—	—	7	7	—	—	—	—
46	—	—	—	—	—	—	22	22	—	—	—	—
45	—	—	—	—	—	—	9	9	—	—	—	—
44	—	—	—	—	—	—	3	3	—	—	—	—
43	—	—	—	—	—	—	3	3	—	—	—	—
42	—	—	—	—	—	—	5	5	—	—	—	—
41	—	—	—	—	—	—	3	3	—	—	—	—

Trips and Drafts of Vessels, 1999
(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

40	1	1	—	—	—	—	1	1	—	—	—	—
39	—	—	—	—	—	—	3	3	—	—	—	—
38	1	1	—	—	—	—	6	5	—	1	—	—
37	3	3	—	—	—	—	4	4	—	—	—	—
36	2	2	—	—	—	—	7	7	—	—	—	—
35	6	6	—	—	—	—	4	4	—	—	—	—
34	15	13	2	—	—	—	17	17	—	—	—	—
33	19	18	1	—	—	—	12	12	—	—	—	—
32	22	20	2	—	—	—	27	27	—	—	—	—
31	47	43	4	—	—	—	24	24	—	—	—	—
30	43	41	2	—	—	—	38	35	2	—	—	1
29	44	42	2	—	—	—	42	38	4	—	—	—
28	50	49	1	—	—	—	44	43	1	—	—	—
27	55	51	4	—	—	—	40	37	3	—	—	—
26	52	51	1	—	—	—	52	49	3	—	—	—
25	34	33	1	—	—	—	32	30	2	—	—	—
24	26	26	—	—	—	—	40	38	2	—	—	—
23	29	28	1	—	—	—	25	22	3	—	—	—
22	30	29	1	—	—	—	38	37	1	—	—	—
21	50	49	—	—	—	1	50	49	—	—	1	—
20	45	44	1	—	—	—	20	19	1	—	—	—
19	20	20	—	—	—	—	14	13	1	—	—	—
≤ 18	71	69	—	—	1	1	63	61	1	1	—	—

DOMESTIC

Total	11,780	267	68	6,907	4,234	304	11,793	269	69	6,910	4,235	310
34	—	—	—	—	—	—	7	7	—	—	—	—
30	1	—	1	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	1	—	1	—	—	—
24	—	—	—	—	—	—	1	—	—	—	1	—
23	6	5	—	—	—	1	16	15	—	—	1	—
22	3	—	—	—	—	3	232	—	—	—	232	—
21	—	—	—	—	—	—	290	—	—	—	290	—
20	2	—	—	—	1	1	37	—	1	—	36	—
19	18	15	—	—	3	—	7	—	—	—	7	—
≤ 18	11,750	247	67	6,907	4,230	299	11,202	247	67	6,910	3,668	310
										Total trips:	24,898	

PORT OF NEWPORT NEWS, VA

Inbound

Outbound

Grand Total	3,870	528	73	2,797	325	147	3,888	547	72	2,802	317	150
--------------------	--------------	------------	-----------	--------------	------------	------------	--------------	------------	-----------	--------------	------------	------------

FOREIGN

Total	509	500	9	—	—	—	528	517	8	2	—	1
48	—	—	—	—	—	—	5	5	—	—	—	—
47	—	—	—	—	—	—	7	7	—	—	—	—
46	—	—	—	—	—	—	22	22	—	—	—	—
45	—	—	—	—	—	—	9	9	—	—	—	—
44	—	—	—	—	—	—	3	3	—	—	—	—
43	—	—	—	—	—	—	3	3	—	—	—	—
42	—	—	—	—	—	—	5	5	—	—	—	—
41	—	—	—	—	—	—	3	3	—	—	—	—
40	1	1	—	—	—	—	1	1	—	—	—	—
39	—	—	—	—	—	—	3	3	—	—	—	—
38	1	1	—	—	—	—	6	5	—	1	—	—
37	3	3	—	—	—	—	4	4	—	—	—	—
36	2	2	—	—	—	—	7	7	—	—	—	—
35	6	6	—	—	—	—	4	4	—	—	—	—
34	14	13	1	—	—	—	17	17	—	—	—	—
33	19	18	1	—	—	—	12	12	—	—	—	—
32	21	20	1	—	—	—	27	27	—	—	—	—
31	44	43	1	—	—	—	24	24	—	—	—	—
30	42	41	1	—	—	—	36	35	—	—	—	1
29	42	42	—	—	—	—	40	38	2	—	—	—
28	50	49	1	—	—	—	44	43	1	—	—	—
27	52	51	1	—	—	—	38	37	1	—	—	—
26	51	51	—	—	—	—	49	49	—	—	—	—
25	33	33	—	—	—	—	29	29	—	—	—	—
24	25	25	—	—	—	—	23	22	1	—	—	—
23	29	28	1	—	—	—	20	19	1	—	—	—

Trips and Drafts of Vessels, 1999
(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	20	20	—	—	—	—	34	33	1	—	—	—
21	11	11	—	—	—	—	4	4	—	—	—	—
20	9	8	1	—	—	—	8	7	1	—	—	—
19	7	7	—	—	—	—	2	2	—	—	—	—
≤ 18	27	27	—	—	—	—	39	38	—	1	—	—

DOMESTIC

Total	3,361	28	64	2,797	325	147	3,360	30	64	2,800	317	149
34	—	—	—	—	—	—	7	7	—	—	—	—
30	1	—	1	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	1	—	1	—	—	—
23	6	5	—	—	—	1	15	15	—	—	—	—
22	101	—	—	—	100	1	129	—	—	—	129	—
21	139	—	—	—	139	—	142	—	—	—	142	—
20	1	—	—	—	1	—	30	—	1	—	29	—
19	18	15	—	—	3	—	7	—	—	—	7	—
≤ 18	3,095	8	63	2,797	82	145	3,029	8	62	2,800	10	149
										Total trips:		7,758

PORT OF RICHMOND, VA

Inbound

Outbound

Grand Total	940	767	4	100	1	68	950	769	5	106	1	69
--------------------	------------	------------	----------	------------	----------	-----------	------------	------------	----------	------------	----------	-----------

FOREIGN

Total	90	89	—	—	1	—	92	91	—	—	1	—
24	—	—	—	—	—	—	2	2	—	—	—	—
23	—	—	—	—	—	—	1	1	—	—	—	—
22	9	9	—	—	—	—	3	3	—	—	—	—
21	35	34	—	—	1	—	44	43	—	—	1	—
20	24	24	—	—	—	—	11	11	—	—	—	—
19	7	7	—	—	—	—	11	11	—	—	—	—
18	6	6	—	—	—	—	9	9	—	—	—	—
17	1	1	—	—	—	—	2	2	—	—	—	—
16	4	4	—	—	—	—	3	3	—	—	—	—
15	1	1	—	—	—	—	1	1	—	—	—	—
14	1	1	—	—	—	—	2	2	—	—	—	—
≤ 12	2	2	—	—	—	—	3	3	—	—	—	—

DOMESTIC

Total	850	678	4	100	—	68	858	678	5	106	—	69
22	2	—	—	—	—	2	—	—	—	—	—	—
16	1	—	—	—	—	1	1	—	1	—	—	—
15	15	—	—	—	—	15	—	—	—	—	—	—
14	4	—	—	2	—	2	2	—	—	2	—	—
13	2	—	—	—	—	2	28	—	—	—	—	28
≤ 12	826	678	4	98	—	46	827	678	4	104	—	41
										Total trips:		1,890

PORT OF HOPEWELL, VA

Inbound

Outbound

Grand Total	458	50	—	249	57	102	401	24	—	225	55	97
--------------------	------------	-----------	----------	------------	-----------	------------	------------	-----------	----------	------------	-----------	-----------

FOREIGN

Total	50	50	—	—	—	—	24	24	—	—	—	—
24	1	1	—	—	—	—	15	15	—	—	—	—
23	—	—	—	—	—	—	2	2	—	—	—	—
22	—	—	—	—	—	—	1	1	—	—	—	—
21	4	4	—	—	—	—	2	2	—	—	—	—
20	12	12	—	—	—	—	1	1	—	—	—	—
19	6	6	—	—	—	—	—	—	—	—	—	—
18	6	6	—	—	—	—	1	1	—	—	—	—
17	3	3	—	—	—	—	—	—	—	—	—	—
16	5	5	—	—	—	—	1	1	—	—	—	—
15	4	4	—	—	—	—	1	1	—	—	—	—

Trips and Drafts of Vessels, 1999
(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												
14	3	3	—	—	—	—	—	—	—	—	—	—
13	2	2	—	—	—	—	—	—	—	—	—	—
≤ 12	4	4	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	408	—	—	249	57	102	377	—	—	225	55	97
24	—	—	—	—	—	—	1	—	—	—	1	—
23	—	—	—	—	—	—	1	—	—	—	1	—
21	—	—	—	—	—	—	5	—	—	—	5	—
20	1	—	—	—	—	1	7	—	—	—	7	—
19	—	—	—	—	—	—	1	—	—	—	1	—
18	1	—	—	—	—	—	1	—	—	—	1	—
16	24	—	—	10	—	14	4	—	—	4	—	—
15	6	—	—	4	—	2	—	—	—	—	—	—
14	19	—	—	8	—	11	28	—	—	9	19	—
13	43	—	—	—	—	43	2	—	—	—	2	—
≤ 12	314	—	—	227	57	30	327	—	—	212	18	97
Total trips:											859	

JAMES RIVER, VA

	Upbound						Downbound					
Grand Total	27,196	14,813	4	6,203	5,999	177	27,208	14,789	5	6,208	6,035	171
FOREIGN												
Total	140	139	—	—	1	—	116	115	—	—	1	—
25	—	—	—	—	—	—	1	1	—	—	—	—
24	1	1	—	—	—	—	16	16	—	—	—	—
23	—	—	—	—	—	—	3	3	—	—	—	—
22	9	9	—	—	—	—	4	4	—	—	—	—
21	39	38	—	—	1	—	46	45	—	—	1	—
20	36	36	—	—	—	—	12	12	—	—	—	—
19	13	13	—	—	—	—	11	11	—	—	—	—
18	12	12	—	—	—	—	10	10	—	—	—	—
17	4	4	—	—	—	—	2	2	—	—	—	—
16	9	9	—	—	—	—	4	4	—	—	—	—
15	5	5	—	—	—	—	2	2	—	—	—	—
14	4	4	—	—	—	—	2	2	—	—	—	—
13	2	2	—	—	—	—	—	—	—	—	—	—
≤ 12	6	6	—	—	—	—	3	3	—	—	—	—
DOMESTIC												
Total	27,056	14,674	4	6,203	5,998	177	27,092	14,674	5	6,208	6,034	171
24	—	—	—	—	—	—	1	—	—	—	1	—
23	—	—	—	—	—	—	1	—	—	—	1	—
22	2	—	—	—	—	2	—	—	—	—	—	—
21	—	—	—	—	—	—	5	—	—	—	5	—
20	1	—	—	—	—	1	7	—	—	—	7	—
19	—	—	—	—	—	—	1	—	—	—	1	—
18	1	—	—	—	—	1	1	—	—	—	1	—
16	25	—	—	10	—	15	5	—	1	4	—	—
15	21	—	—	4	—	17	—	—	—	—	—	—
14	23	—	—	10	—	13	30	—	—	11	19	—
13	45	—	—	—	—	45	34	—	—	—	2	—
≤ 12	26,938	14,674	4	6,179	5,998	83	27,007	14,674	4	6,193	5,997	139
Total trips:											54,404	

HAMPTON CREEK, VA

	Upbound						Downbound					
Grand Total	1,015	—	—	394	601	20	1,003	225	—	377	388	13
DOMESTIC												
Total	1,015	—	—	394	601	20	1,003	225	—	377	388	13
9	200	—	—	—	200	—	—	—	—	—	—	—
8	203	—	—	184	—	19	187	—	—	186	—	1
7	211	—	—	210	1	—	194	—	—	191	—	3
≤ 6	401	—	—	—	400	1	622	225	—	—	388	9
Total trips:											2,018	

Trips and Drafts of Vessels, 1999
(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

APPOMATTOX RIVER, VA

	Upbound						Downbound					
Grand Total	11,769	---	---	5,802	5,967	---	11,771	---	---	5,858	5,913	---

DOMESTIC

Total	11,769	---	---	5,802	5,967	---	11,771	---	---	5,858	5,913	---
10	---	---	---	---	---	---	1	---	---	---	1	---
9	1,436	---	---	1,436	---	---	1,436	---	---	1,436	---	---
8	2,193	---	---	2,193	---	---	2,708	---	---	2,237	471	---
7	1,483	---	---	1,483	---	---	3,329	---	---	1,495	1,834	---
6	689	---	---	689	---	---	3,534	---	---	689	2,845	---
5	1	---	---	1	---	---	670	---	---	1	669	---
4	---	---	---	---	---	---	57	---	---	---	57	---
3	---	---	---	---	---	---	4	---	---	---	4	---
2	5,882	---	---	---	5,882	---	32	---	---	---	32	---
1	85	---	---	---	85	---	---	---	---	---	---	---
										Total trips:		23,540

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

	Upbound						Downbound					
Grand Total	2,430	3	---	1,225	1,137	65	2,451	3	---	1,242	1,140	66

DOMESTIC

Total	2,430	3	---	1,225	1,137	65	2,451	3	---	1,242	1,140	66
12	11	---	---	3	---	8	6	---	---	3	---	3
11	6	---	---	---	2	4	5	---	---	---	---	5
10	5	---	---	2	---	3	18	---	---	4	---	14
9	168	---	---	167	---	1	189	---	---	163	2	24
8	365	---	---	361	---	4	369	---	---	362	2	5
7	665	---	---	654	11	---	1,240	---	---	658	581	1
≤ 6	1,210	3	---	38	1,124	45	624	3	---	52	555	14
										Total trips:		4,881

PAMUNKEY RIVER, VA

	Upbound						Downbound					
Grand Total	661	---	---	285	297	79	678	---	---	276	323	79

DOMESTIC

Total	661	---	---	285	297	79	678	---	---	276	323	79
12	1	---	---	---	---	1	19	---	---	---	19	---
11	2	---	---	---	---	2	13	---	---	---	13	---
10	22	---	---	16	---	6	19	---	---	15	4	---
9	70	---	---	70	---	---	67	---	---	67	---	---
8	273	---	---	178	38	57	178	---	---	176	---	2
7	53	---	---	6	34	13	6	---	---	6	---	---
≤ 6	240	---	---	15	225	---	376	---	---	12	287	77
										Total trips:		1,339

Trips and Drafts of Vessels, 1999
(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 RIVER, VA

	Upbound						Downbound					
Grand Total	2,637	581	36	1,068	301	651	2,721	581	69	1,068	328	675

FOREIGN

Total	30	6	24	—	—	—	63	6	57	—	—	—
36	1	—	1	—	—	—	—	—	—	—	—	—
35	8	—	8	—	—	—	—	—	—	—	—	—
34	6	—	6	—	—	—	—	—	—	—	—	—
33	—	—	—	—	—	—	1	—	1	—	—	—
32	3	—	3	—	—	—	—	—	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
30	2	1	1	—	—	—	3	1	2	—	—	—
29	—	—	—	—	—	—	2	—	2	—	—	—
28	1	1	—	—	—	—	31	1	30	—	—	—
27	—	—	—	—	—	—	5	—	5	—	—	—
26	3	1	2	—	—	—	4	1	3	—	—	—
25	1	—	1	—	—	—	7	—	7	—	—	—
24	1	—	1	—	—	—	1	—	1	—	—	—
22	—	—	—	—	—	—	2	2	—	—	—	—
21	—	—	—	—	—	—	1	—	1	—	—	—
20	1	1	—	—	—	—	—	—	—	—	—	—
19	—	—	—	—	—	—	2	—	2	—	—	—
≤ 18	2	2	—	—	—	—	4	1	3	—	—	—

DOMESTIC

Total	2,607	575	12	1,068	301	651	2,658	575	12	1,068	328	675
37	2	—	2	—	—	—	—	—	—	—	—	—
35	3	—	—	—	—	3	—	—	—	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
32	1	—	—	—	—	1	—	—	—	—	—	—
31	—	—	—	—	—	—	1	—	1	—	—	—
29	1	—	1	—	—	—	1	—	—	—	—	1
28	1	—	—	—	—	1	1	—	1	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
25	—	—	—	—	—	—	3	—	—	—	—	3
24	3	—	—	—	—	3	43	—	—	—	—	43
23	1	—	—	—	—	1	11	—	—	—	—	11
22	2	—	—	—	—	2	7	—	—	—	—	7
21	—	—	—	—	—	—	3	—	—	—	—	3
20	3	—	—	2	—	1	4	—	—	—	—	4
19	3	—	—	—	—	3	6	—	—	—	—	6
≤ 18	2,585	575	8	1,066	301	635	2,578	575	10	1,068	328	597
										Total trips:		5,358

RAPPAHANNOCK RIVER, VA

	Upbound						Downbound					
Grand Total	2,764	2,316	—	218	230	—	2,795	2,316	—	233	246	—

DOMESTIC

Total	2,764	2,316	—	218	230	—	2,795	2,316	—	233	246	—
12	—	—	—	—	—	—	9	—	—	—	9	—
11	—	—	—	—	—	—	41	—	—	—	41	—
10	—	—	—	—	—	—	44	—	—	—	44	—
9	89	80	—	9	—	—	24	—	—	9	15	—
8	106	6	—	100	—	—	218	6	—	139	73	—
7	94	30	—	64	—	—	82	30	—	40	12	—
≤ 6	2,475	2,200	—	45	230	—	2,377	2,280	—	45	52	—
										Total trips:		5,559

ABERDEEN CREEK, VA
(2 feet and less)

	Upbound						Downbound					
Grand Total	250	250	—	—	—	—	250	250	—	—	—	—
										Total trips:		500

Trips and Drafts of Vessels, 1999
(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 (NORFOLK DISTRICT) DISMAL SWAMP AND PASQUOTANK RIVER (7 feet and less)												
				Upbound						Downbound		
Grand Total	2	---	---	2	---	---	---	---	---	---	---	---
										Total trips:	---	2
BEACH CREEK, VA (2 feet and less)												
				Upbound						Downbound		
Grand Total	73	73	---	---	---	---	73	73	---	---	---	---
										Total trips:	---	146
BROAD CREEK, VA (6 feet and less)												
				Upbound						Downbound		
Grand Total	404	404	---	---	---	---	404	404	---	---	---	---
										Total trips:	---	808
CAPE CHARLES CITY HARBOR, VA (17 feet and less)												
				Inbound						Outbound		
Grand Total	1,096	466	---	323	306	1	1,082	466	---	316	298	2
										Total trips:	---	2,178
CARTERS CREEK, VA (6 feet and less)												
				Upbound						Downbound		
Grand Total	512	512	---	---	---	---	512	512	---	---	---	---
										Total trips:	---	1,024
CHANNEL CONNECTING YORK RIVER, VA, WITH BACK CREEK TO SLAIGHTS WHARF, VA (6 feet and less)												
				Upbound						Downbound		
Grand Total	1,349	1,349	---	---	---	---	1,349	1,349	---	---	---	---
										Total trips:	---	2,698
CHANNEL FROM PHOEBUS, VA (TO DEEP WATER IN HAMPTON ROADS, VA) No Vessel Trips Reported												
CHESCONESSEX CREEK, VA No Vessel Trips Reported												
CHINCOTEAGUE BAY, MD AND VA (7 feet and less)												
				Upbound						Downbound		
Grand Total	306	303	---	3	---	---	305	303	---	2	---	---
										Total trips:	---	611
CHINCOTEAGUE HARBOR OF REFUGE, VA No Vessel Trips Reported												
CRANES CREEK, VA No Vessel Trips Reported												
DAVIS CREEK, VA No Vessel Trips Reported												
DEEP CREEK, ACCOMACK COUNTY, VA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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
DEEP CREEK, NEWPORT NEWS, VA (6 feet and less)												
				Upbound							Downbound	
Grand Total	200	200	---	---	---	---	200	200	---	---	---	---
										Total trips:	---	400
DELAWARE BAY - CHESAPEAKE BAY WATERWAY - VIRGINIA PORTION (9 feet and less)												
				Upbound							Downbound	
Grand Total	486	478	---	8	---	---	482	478	---	4	---	---
										Total trips:	---	968
DYMERS CREEK, VA No Vessel Trips Reported												
GREENVALE CREEK, VA No Vessel Trips Reported												
HORN HARBOR, VA (2 feet and less)												
				Inbound							Outbound	
Grand Total	19	19	---	---	---	---	19	19	---	---	---	---
										Total trips:	---	38
HOSKINS CREEK, VA (11 feet and less)												
				Upbound							Downbound	
Grand Total	206	36	---	86	84	---	214	36	---	88	90	---
										Total trips:	---	420
JACKSON CREEK, VA No Vessel Trips Reported												
KINGS CREEK, NORTHAMPTON COUNTY, VA No Vessel Trips Reported												
LAFAYETTE RIVER, VA No Vessel Trips Reported												
LITTLE MACHIPONGO RIVER, VA No Vessel Trips Reported												
LITTLE RIVER (CREEK), VA (21 feet and less)												
				Upbound							Downbound	
Grand Total	496	9	5	248	218	16	492	12	5	244	218	13
										Total trips:	---	988
LOCKLIES CREEK, VA No Vessel Trips Reported												
LYNHAVEN ROADS, INLET, AND CONNECTING WATERS, VA (7 feet and less)												
				Upbound							Downbound	
Grand Total	32	26	1	5	---	---	32	26	1	5	---	---
										Total trips:	---	64
MATTAPONI RIVER, VA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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
MEHERRIN RIVER, NC No Vessel Trips Reported												
MILFORD HAVEN, VA (6 feet and less)												
				Upbound							Downbound	
Grand Total	354	354	---	---	---	---	354	354	---	---	Total trips:	708
MILL CREEK, VA (6 feet and less)												
				Upbound							Downbound	
Grand Total	91	91	---	---	---	---	91	91	---	---	Total trips:	182
MULBERRY CREEK, VA (6 feet and less)												
				Upbound							Downbound	
Grand Total	89	89	---	---	---	---	89	89	---	---	Total trips:	178
NANDUA CREEK, VA No Vessel Trips Reported												
NANSEMOND RIVER, VA No Vessel Trips Reported												
NEWPORT NEWS CREEK, VA (8 feet and less)												
				Upbound							Downbound	
Grand Total	15	---	---	15	---	---	19	---	---	19	Total trips:	34
OCCOHANNOCK CREEK, VA (6 feet and less)												
				Upbound							Downbound	
Grand Total	270	270	---	---	---	---	270	270	---	---	Total trips:	540
ONANCOCK RIVER, VA (10 feet and less)												
				Upbound							Downbound	
Grand Total	286	178	---	54	49	5	270	178	---	46	41	556
OYSTER CHANNEL, VA (7 feet and less)												
				Upbound							Downbound	
Grand Total	1	---	---	1	---	---	---	---	---	---	Total trips:	1
PAGAN RIVER, VA No Vessel Trips Reported												
PARKER CREEK, VA No Vessel Trips Reported												
PARROTTS CREEK, VA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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
QUEENS CREEK, VA No Vessel Trips Reported												
QUINBY CREEK, VA No Vessel Trips Reported												
STARLINGS CREEK, VA (9 feet and less)												
				Upbound							Downbound	
Grand Total	234	234	---	---	---	---	234	234	---	---	---	---
										Total trips:	---	468
TANGIER CHANNEL, VA (9 feet and less)												
				Upbound							Downbound	
Grand Total	1,263	1,249	14	---	---	---	1,263	1,249	14	---	---	---
										Total trips:	---	2,526
TOTUSKEY CREEK, VA No Vessel Trips Reported												
TYLERS BEACH, VA (7 feet and less)												
				Inbound							Outbound	
Grand Total	---	---	---	---	---	---	2	---	---	---	2	---
										Total trips:	---	2
URBANNA CREEK, VA (10 feet and less)												
				Upbound							Downbound	
Grand Total	4	---	---	2	2	---	10	---	---	---	5	5
										Total trips:	---	14
WILLOUGHBY CHANNEL, VA No Vessel Trips Reported												
WINTER HARBOR, VA (2 feet and less)												
				Inbound							Outbound	
Grand Total	33	33	---	---	---	---	33	33	---	---	---	---
										Total trips:	---	66
WISHART POINT CHANNEL, VA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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	1,371	---	---	631	198	542	1,379	---	---	639	198	542

DOMESTIC

Total	1,371	---	---	631	198	542	1,379	---	---	639	198	542
12	---	---	---	---	---	---	8	---	---	---	---	8
11	---	---	---	---	---	---	5	---	---	---	---	5
10	9	---	---	---	---	9	293	---	---	---	193	100
9	222	---	---	11	---	211	106	---	---	17	---	89
8	608	---	---	603	---	5	603	---	---	603	---	---
7	5	---	---	5	---	---	5	---	---	5	---	---
≤ 6	527	---	---	12	198	317	359	---	---	14	5	340
										Total trips:		2,750

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

	Upbound						Downbound					
Grand Total	31,625	29,751	---	827	432	615	31,647	29,751	---	849	432	615

DOMESTIC

Total	31,625	29,751	---	827	432	615	31,647	29,751	---	849	432	615
12	12	---	---	3	---	9	8	---	---	3	---	5
11	6	---	---	---	2	4	7	---	---	---	---	7
10	147	---	---	2	131	14	312	---	---	6	193	113
9	23,318	23,067	---	40	---	211	23,209	23,067	---	38	13	91
8	679	---	---	641	---	38	660	---	---	644	12	4
7	79	---	---	63	11	5	77	---	---	69	7	1
≤ 6	7,384	6,684	---	78	288	334	7,374	6,684	---	89	207	394
										Total trips:		63,272

MOREHEAD CITY HARBOR, NC

	Inbound						Outbound					
Grand Total	1,699	85	64	645	370	535	1,689	85	64	636	370	534

FOREIGN

Total	145	85	60	---	---	---	145	85	60	---	---	---
42	---	---	---	---	---	---	1	1	---	---	---	---
41	5	5	---	---	---	---	---	---	---	---	---	---
40	6	6	---	---	---	---	3	3	---	---	---	---
39	1	1	---	---	---	---	7	7	---	---	---	---
38	2	2	---	---	---	---	3	2	1	---	---	---
37	4	---	4	---	---	---	8	5	3	---	---	---
36	3	1	2	---	---	---	22	17	5	---	---	---
35	4	---	4	---	---	---	5	3	2	---	---	---
33	1	---	1	---	---	---	---	---	---	---	---	---
31	12	7	5	---	---	---	24	17	7	---	---	---
30	1	---	1	---	---	---	6	4	2	---	---	---
29	4	1	3	---	---	---	---	---	---	---	---	---
28	17	14	3	---	---	---	4	---	4	---	---	---
27	10	7	3	---	---	---	1	1	---	---	---	---
26	10	7	3	---	---	---	4	1	3	---	---	---
25	16	3	13	---	---	---	1	---	1	---	---	---
24	14	4	10	---	---	---	5	3	2	---	---	---
23	6	5	1	---	---	---	3	2	1	---	---	---
22	9	6	3	---	---	---	5	4	1	---	---	---
21	3	2	1	---	---	---	2	---	2	---	---	---
20	4	3	1	---	---	---	1	---	1	---	---	---
19	4	3	1	---	---	---	1	---	1	---	---	---
≤ 18	9	8	1	---	---	---	39	15	24	---	---	---

DOMESTIC

Total	1,554	---	4	645	370	535	1,544	---	4	636	370	534
34	4	---	4	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	1	---	1	---	---	---
28	---	---	---	---	---	---	2	---	2	---	---	---
26	---	---	---	---	---	---	1	---	1	---	---	---
21	1	---	---	1	---	---	1	---	---	1	---	---

Trips and Drafts of Vessels, 1999
(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

	19	1	—	—	—	1	—	—	—	—	—	—	
	≤ 18	1,548	—	—	645	368	535	1,539	—	—	636	369	534
											Total trips:		3,388

PORT OF WILMINGTON, NC

Inbound

Outbound

Grand Total	12,121	9,341	234	1,167	844	535	12,069	9,322	203	1,174	841	529
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FOREIGN

Total	485	322	147	6	10	—	440	303	122	7	8	—
38	3	2	1	—	—	—	—	—	—	—	—	—
37	11	7	4	—	—	—	16	15	1	—	—	—
36	17	16	1	—	—	—	20	19	1	—	—	—
35	25	21	4	—	—	—	17	17	—	—	—	—
34	16	12	4	—	—	—	13	13	—	—	—	—
33	25	18	7	—	—	—	13	11	2	—	—	—
32	20	8	12	—	—	—	16	13	3	—	—	—
31	9	4	4	—	1	—	3	2	1	—	—	—
30	34	13	20	—	1	—	22	19	3	—	—	—
29	39	18	21	—	—	—	8	7	1	—	—	—
28	31	18	13	—	—	—	24	18	3	1	2	—
27	37	21	16	—	—	—	28	17	11	—	—	—
26	36	24	12	—	—	—	50	26	24	—	—	—
25	37	28	8	1	—	—	30	19	10	—	1	—
24	37	26	11	—	—	—	42	27	15	—	—	—
23	17	13	4	—	—	—	36	20	16	—	—	—
22	23	20	3	—	—	—	17	7	10	—	—	—
21	13	11	2	—	—	—	18	14	4	—	—	—
20	8	8	—	—	—	—	14	11	3	—	—	—
19	7	7	—	—	—	—	15	9	6	—	—	—
≤ 18	40	27	—	5	8	—	38	19	8	6	5	—

DOMESTIC

Total	11,636	9,019	87	1,161	834	535	11,629	9,019	81	1,167	833	529
38	4	—	4	—	—	—	—	—	—	—	—	—
37	6	—	6	—	—	—	1	—	1	—	—	—
36	6	—	5	—	—	1	—	—	1	—	—	—
35	12	—	11	—	—	1	6	—	6	—	—	—
34	11	—	9	—	—	2	4	—	4	—	—	—
33	4	—	3	—	—	1	3	—	2	—	—	1
32	16	—	7	8	—	1	12	—	4	8	—	—
31	4	—	2	—	—	2	3	—	3	—	—	—
30	5	—	4	—	—	1	12	—	11	—	—	1
29	6	—	5	1	—	—	11	—	10	1	—	—
28	14	—	10	—	—	4	6	—	5	—	—	1
27	13	—	11	—	—	2	10	—	9	—	—	1
26	4	—	3	—	—	1	8	—	5	—	—	3
25	6	—	4	—	—	2	5	—	5	—	—	—
24	10	—	2	—	—	8	10	—	9	—	—	1
23	2	—	—	—	—	2	1	—	1	—	—	—
22	5	—	1	—	—	4	3	—	3	—	—	—
21	26	—	—	20	—	6	18	—	1	16	—	1
20	9	—	—	3	—	6	5	—	—	4	—	2
19	5	—	—	—	—	5	2	—	—	—	—	—
≤ 18	11,468	9,019	—	1,129	834	486	11,508	9,019	1	1,138	833	517
										Total trips:		24,190

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

Upbound

Downbound

Grand Total	30,617	27,386	268	1,323	1,047	593	30,494	27,362	241	1,298	1,045	548
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FOREIGN

Total	555	362	177	6	10	—	516	339	162	7	8	—
38	3	2	1	—	—	—	—	—	—	—	—	—
37	11	7	4	—	—	—	16	15	1	—	—	—
36	17	16	1	—	—	—	20	19	1	—	—	—

Trips and Drafts of Vessels, 1999
(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) - continued

Upbound

Downbound

FOREIGN

35	26	22	4	—	—	—	17	17	—	—	—	—
34	16	12	4	—	—	—	13	13	—	—	—	—
33	25	18	7	—	—	—	13	11	2	—	—	—
32	22	8	14	—	—	—	16	13	3	—	—	—
31	9	4	4	—	1	—	3	2	1	—	—	—
30	36	13	22	—	1	—	22	19	3	—	—	—
29	40	18	22	—	—	—	8	7	1	—	—	—
28	50	30	20	—	—	—	33	21	9	1	2	—
27	46	25	21	—	—	—	32	19	13	—	—	—
26	42	25	17	—	—	—	56	29	27	—	—	—
25	43	32	10	1	—	—	38	23	14	—	1	—
24	40	28	12	—	—	—	51	29	22	—	—	—
23	20	13	7	—	—	—	41	22	19	—	—	—
22	25	21	4	—	—	—	23	9	14	—	—	—
21	13	11	2	—	—	—	21	15	6	—	—	—
20	8	8	—	—	—	—	18	13	5	—	—	—
19	10	9	1	—	—	—	18	12	6	—	—	—
≤ 18	53	40	—	5	8	—	57	31	15	6	5	—

DOMESTIC

Total	30,062	27,024	91	1,317	1,037	593	29,978	27,023	79	1,291	1,037	548
38	5	—	5	—	—	—	1	—	1	—	—	—
37	7	—	7	—	—	—	—	—	—	—	—	—
36	5	—	4	—	—	1	2	—	2	—	—	—
35	12	—	11	—	—	—	6	—	6	—	—	—
34	11	—	9	—	—	2	4	—	4	—	—	—
33	4	—	3	—	—	1	3	—	2	—	—	1
32	17	—	8	8	—	—	11	—	3	8	—	—
31	4	—	2	—	—	2	3	—	3	—	—	—
30	5	—	4	—	—	1	12	—	11	—	—	1
29	7	—	6	1	—	—	10	—	9	1	—	—
28	14	—	10	—	—	4	6	—	5	—	—	1
27	13	—	11	—	—	2	10	—	9	—	—	1
26	10	—	4	—	—	6	9	—	4	—	—	5
25	7	—	4	—	—	3	5	—	5	—	—	—
24	14	—	2	—	—	12	10	—	9	—	—	1
23	4	—	—	—	—	4	2	—	1	—	—	1
22	9	—	1	—	—	8	3	—	3	—	—	—
21	36	—	—	27	—	9	20	—	1	18	—	1
20	16	—	—	5	—	11	5	—	—	4	—	1
19	4	—	—	—	—	4	4	—	—	—	—	4
≤ 18	29,858	27,024	—	1,276	1,037	521	29,852	27,023	1	1,260	1,037	531
										Total trips:		61,111

CAPE FEAR RIVER ABOVE WILMINGTON, NC

Upbound

Downbound

Grand Total	292	—	—	147	—	145	291	—	—	146	—	145
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DOMESTIC

Total	292	—	—	147	—	145	291	—	—	146	—	145
≤ 12	292	—	—	147	—	145	291	—	—	146	—	145
										Total trips:		583

NORTHEAST (CAPE FEAR) RIVER, NC

Upbound

Downbound

Grand Total	740	41	19	342	2	336	696	36	30	322	—	308
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FOREIGN

Total	60	41	19	—	—	—	66	36	30	—	—	—
28	24	17	7	—	—	—	9	3	6	—	—	—
27	8	3	5	—	—	—	4	2	2	—	—	—
26	3	1	2	—	—	—	4	3	1	—	—	—
25	6	4	2	—	—	—	8	4	4	—	—	—
24	2	2	—	—	—	—	9	2	7	—	—	—

Trips and Drafts of Vessels, 1999
(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 - continued
Upbound

Downbound

FOREIGN

23	2	—	2	—	—	—	5	2	3	—	—	—
22	1	1	—	—	—	—	3	2	1	—	—	—
21	—	—	—	—	—	—	2	1	1	—	—	—
20	—	—	—	—	—	—	3	2	1	—	—	—
19	3	2	1	—	—	—	3	3	—	—	—	—
18	—	—	—	—	—	—	2	1	1	—	—	—
17	1	1	—	—	—	—	—	—	—	—	—	—
16	3	3	—	—	—	—	1	—	1	—	—	—
15	3	3	—	—	—	—	1	—	1	—	—	—
14	3	3	—	—	—	—	2	1	1	—	—	—
12	1	1	—	—	—	—	—	—	—	—	—	—
11	—	—	—	—	—	—	2	2	—	—	—	—
10	—	—	—	—	—	—	1	1	—	—	—	—
8	—	—	—	—	—	—	7	7	—	—	—	—

DOMESTIC

Total	680	—	—	342	2	336	630	—	—	322	—	308
26	5	—	—	—	—	5	2	—	—	—	—	2
25	1	—	—	—	—	1	—	—	—	—	—	—
24	4	—	—	—	—	4	—	—	—	—	—	—
23	2	—	—	—	—	2	1	—	—	—	—	1
22	4	—	—	—	—	4	—	—	—	—	—	—
21	9	—	—	6	—	3	4	—	—	4	—	—
20	6	—	—	1	—	5	1	—	—	1	—	—
19	1	—	—	—	—	1	2	—	—	—	—	2
17	3	—	—	—	—	3	1	—	—	—	—	1
16	8	—	—	—	—	8	2	—	—	—	—	2
15	22	—	—	18	—	4	13	—	—	11	—	2
14	4	—	—	2	—	2	2	—	—	2	—	—
13	10	—	—	10	—	—	7	—	—	7	—	—
12	11	—	—	6	—	5	9	—	—	6	—	3
11	13	—	—	12	—	1	10	—	—	10	—	—
10	163	—	—	—	—	163	1	—	—	—	—	1
9	8	—	—	—	—	8	1	—	—	—	—	1
8	163	—	—	95	—	68	95	—	—	95	—	—
7	197	—	—	190	—	7	188	—	—	184	—	4
6	13	—	—	2	—	11	4	—	—	2	—	2
5	18	—	—	—	—	18	1	—	—	—	—	1
4	9	—	—	—	—	9	6	—	—	—	—	6
3	6	—	—	—	2	4	280	—	—	—	—	280
Total trips:											1,436	

ATLANTIC BEACH CHANNELS, NC
(9 feet and less)

Grand Total	9,356	9,356	—	—	—	—	9,356	9,356	—	—	—	18,712
Total trips:											18,712	

AVON HARBOR, NC
(7 feet and less)

Grand Total	7	—	—	7	—	—	5	—	—	5	—	12
Total trips:											12	

BAY RIVER, NC
(6 feet and less)

Grand Total	3	—	—	3	—	—	1	—	—	1	—	4
Total trips:											4	

Trips and Drafts of Vessels, 1999
(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
BEAUFORT HARBOR, NC (14 feet and less)												
				Inbound						Outbound		
Grand Total	62	55	—	4	3	—	60	54	—	4	2	—
										Total trips:		122
BELHAVEN HARBOR, NC No Vessel Trips Reported												
CASHIE RIVER, NC No Vessel Trips Reported												
CHANNEL CONNECTING THOROUGHFARE BAY WITH CEDAR BAY, NC (7 feet and less)												
				Upbound						Downbound		
Grand Total	1,840	1,840	—	—	—	—	1,824	1,824	—	—	—	—
										Total trips:		3,664
CHANNEL FROM BACK SOUND TO LOOKOUT BIGHT, NC No Vessel Trips Reported												
CHANNEL FROM PAMLICO SOUND TO RODANTHE, NC No Vessel Trips Reported												
CHANNEL TO BOGUE INLET, NC (9 feet and less)												
				Upbound						Downbound		
Grand Total	9,656	9,656	—	—	—	—	9,656	9,656	—	—	—	—
										Total trips:		19,312
CHOWAN RIVER, NC (7 feet and less)												
				Upbound						Downbound		
Grand Total	21	—	—	5	16	—	13	—	—	5	8	—
										Total trips:		34
DRUM INLET, NC No Vessel Trips Reported												
EDENTON HARBOR, NC (8 feet and less)												
				Inbound						Outbound		
Grand Total	15	—	—	7	8	—	20	—	—	8	12	—
										Total trips:		35
FAR CREEK, NC No Vessel Trips Reported												
KNOBBS CREEK, NC No Vessel Trips Reported												
LOCKWOODS FOLLY RIVER, NC No Vessel Trips Reported												
MACKAY CREEK, NC No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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
MANNS HARBOR, NC (6 feet and less)												
				Inbound						Outbound		
Grand Total	2	2	---	---	---	---	3	3	---	---	---	---
										Total trips:	---	5
MANTEO (SHALLOWBAG) BAY, NC (8 feet and less)												
				Upbound						Downbound		
Grand Total	28	---	---	23	5	---	35	---	---	30	5	---
										Total trips:	---	63
NEUSE RIVER, NC (12 feet and less)												
				Upbound						Downbound		
Grand Total	13,221	13,106	---	58	9	48	13,195	13,086	---	54	8	47
										Total trips:	---	26,416
NEW RIVER, NC (7 feet and less)												
				Upbound						Downbound		
Grand Total	6	---	---	6	---	---	6	---	---	6	---	---
										Total trips:	---	12
OCRACOKE INLET, NC No Vessel Trips Reported												
PERQUIMANS RIVER, NC No Vessel Trips Reported												
ROANOKE RIVER, NC (12 feet and less)												
				Upbound						Downbound		
Grand Total	41	---	---	17	4	20	46	---	---	17	9	20
										Total trips:	---	87
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 (7 feet and less)												
				Inbound						Outbound		
Grand Total	2,587	2,587	---	---	---	---	2,587	2,587	---	---	---	---
										Total trips:	---	5,174
SMITHS CREEK (PAMLICO COUNTY), NC No Vessel Trips Reported												
SMITHS CREEK (WILMINGTON), NC No Vessel Trips Reported												

Trips and Drafts of Vessels, 1999
(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
No Vessel Trips Reported

STUMPY POINT BAY, NC
No Vessel Trips Reported

TRENT RIVER, NC
(12 feet and less)

				Upbound						Downbound		
Grand Total	20	---	---	8	---	12	15	---	---	4	---	11
										Total trips:		35

WANCHESE HARBOR, NC
(7 feet and less)

				Inbound						Outbound		
Grand Total	---	---	---	---	---	---	1	---	---	1	---	---
										Total trips:		1

WATERWAY - NORFOLK, VA TO SOUNDS OF NC
(8 feet and less)

				Upbound						Downbound		
Grand Total	33	4	---	24	5	---	35	1	---	29	5	---
										Total trips:		68

WATERWAY CONNECTING PAMLICO SOUND AND BEAUFORT HARBOR, NC
(7 feet and less)

				Upbound						Downbound		
Grand Total	1,840	1,840	---	---	---	---	1,824	1,824	---	---	---	---
										Total trips:		3,664

WATERWAY CONNECTING SWAN QUARTER BAY WITH DEEP BAY, NC
(7 feet and less)

				Upbound						Downbound		
Grand Total	655	655	---	---	---	---	671	671	---	---	---	---
										Total trips:		1,326

WRIGHTS CREEK, NC
No Vessel Trips Reported

Trips and Drafts of Vessels, 1999
(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	1,676	452	---	618	451	155	1,733	452	---	664	451	166
DOMESTIC												
Total	1,676	452	---	618	451	155	1,733	452	---	664	451	166
12	14	---	---	8	2	4	9	---	---	6	---	3
11	14	---	---	14	---	---	7	---	---	6	---	1
10	2	---	---	2	---	---	10	---	---	5	---	5
9	57	2	---	10	2	43	46	2	---	7	37	---
8	117	---	---	102	4	11	136	---	---	114	22	---
7	374	---	---	351	14	9	396	---	---	372	22	2
≤ 6	1,098	450	---	131	429	88	1,129	450	---	154	370	155
										Total trips:		3,409

GEORGETOWN HARBOR, SC (WINYAH BAY)

	Inbound						Outbound					
Grand Total	547	70	---	125	331	21	524	68	---	121	314	21
FOREIGN												
Total	70	70	---	---	---	---	68	68	---	---	---	---
27	21	21	---	---	---	---	6	6	---	---	---	---
26	13	13	---	---	---	---	2	2	---	---	---	---
25	4	4	---	---	---	---	1	1	---	---	---	---
24	8	8	---	---	---	---	4	4	---	---	---	---
23	4	4	---	---	---	---	14	14	---	---	---	---
22	11	11	---	---	---	---	14	14	---	---	---	---
21	4	4	---	---	---	---	7	7	---	---	---	---
20	3	3	---	---	---	---	11	11	---	---	---	---
19	2	2	---	---	---	---	1	1	---	---	---	---
18	---	---	---	---	---	---	6	6	---	---	---	---
17	---	---	---	---	---	---	1	1	---	---	---	---
16	---	---	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	477	---	---	125	331	21	456	---	---	121	314	21
20	---	---	---	---	---	---	1	---	---	---	1	---
≤ 12	477	---	---	125	331	21	455	---	---	121	313	21
										Total trips:		1,071

CHARLESTON HARBOR, SC

	Inbound						Outbound					
Grand Total	7,644	6,191	157	658	327	311	7,409	5,944	150	697	322	296
FOREIGN												
Total	2,153	2,045	99	4	5	---	1,889	1,786	89	7	7	---
42	5	5	---	---	---	---	---	---	---	---	---	---
41	3	3	---	---	---	---	---	---	---	---	---	---
40	8	8	---	---	---	---	4	4	---	---	---	---
39	19	13	6	---	---	---	8	7	1	---	---	---
38	81	60	21	---	---	---	61	61	---	---	---	---
37	42	26	16	---	---	---	24	24	---	---	---	---
36	44	33	11	---	---	---	29	28	1	---	---	---
35	50	44	6	---	---	---	56	55	1	---	---	---
34	46	38	8	---	---	---	37	35	2	---	---	---
33	75	73	2	---	---	---	60	55	5	---	---	---
32	86	83	3	---	---	---	64	56	8	---	---	---
31	73	71	2	---	---	---	61	49	12	---	---	---
30	68	63	3	1	1	---	98	85	13	---	---	---
29	68	66	2	---	---	---	59	57	1	---	1	---
28	167	163	4	---	---	---	127	125	2	---	---	---
27	84	83	1	---	---	---	62	43	19	---	---	---
26	65	63	2	---	---	---	33	28	5	---	---	---
25	93	88	3	1	1	---	106	102	4	---	---	---
24	67	65	2	---	---	---	57	53	4	---	---	---
23	38	35	3	---	---	---	40	37	3	---	---	---
22	18	18	---	---	---	---	33	29	4	---	---	---

Trips and Drafts of Vessels, 1999
(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												
21	17	15	2	—	—	—	9	9	—	—	—	—
20	880	879	1	—	—	—	811	809	2	—	—	—
19	8	7	1	—	—	—	10	7	1	1	1	—
≤ 18	48	43	—	2	3	—	40	28	1	6	5	—
DOMESTIC												
Total	5,491	4,146	58	654	322	311	5,520	4,158	61	690	315	296
40	2	—	2	—	—	—	—	—	—	—	—	—
39	5	—	5	—	—	—	—	—	—	—	—	—
38	4	—	4	—	—	—	—	—	—	—	—	—
37	8	—	8	—	—	—	5	—	5	—	—	—
36	3	—	2	—	—	1	3	2	1	—	—	—
35	8	1	7	—	—	—	6	1	5	—	—	—
34	7	4	2	—	—	1	8	3	4	—	—	1
33	23	3	7	—	—	13	7	4	2	—	—	1
32	25	3	2	7	—	13	14	5	2	6	—	1
31	10	5	2	—	—	3	8	6	1	—	—	1
30	26	21	2	—	—	3	28	19	8	—	—	1
29	10	5	2	1	—	2	8	3	4	1	—	—
28	6	1	3	—	—	2	—	—	5	—	—	1
27	4	—	4	—	—	—	19	12	7	—	—	—
26	6	—	2	—	—	4	3	—	3	—	—	—
25	5	—	—	—	—	5	3	—	2	—	—	1
24	9	—	1	—	—	8	7	—	3	—	—	4
23	4	—	—	—	—	4	3	—	1	—	—	2
22	2	—	—	—	—	2	7	—	1	1	—	5
21	40	—	1	25	5	9	31	—	1	23	1	6
20	35	—	—	7	26	2	13	—	—	3	5	5
19	16	—	—	—	13	3	5	—	—	—	1	4
≤ 18	5,233	4,103	2	614	278	236	5,336	4,103	6	656	308	263
										Total trips:		15,053

SHIPYARD RIVER, SC

Grand Total	Upbound						Downbound					
	409	18	18	121	217	35	415	16	18	131	216	34
FOREIGN												
Total	21	18	1	1	1	—	18	16	1	—	1	—
39	2	2	—	—	—	—	—	—	—	—	—	—
37	4	4	—	—	—	—	—	—	—	—	—	—
35	1	1	—	—	—	—	1	1	—	—	—	—
34	1	1	—	—	—	—	—	—	—	—	—	—
33	2	2	—	—	—	—	—	—	—	—	—	—
32	3	3	—	—	—	—	—	—	—	—	—	—
31	3	3	—	—	—	—	—	—	—	—	—	—
30	2	—	—	1	1	—	4	4	—	—	—	—
29	—	—	—	—	—	—	1	—	—	—	1	—
28	1	1	—	—	—	—	1	1	—	—	—	—
25	—	—	—	—	—	—	3	3	—	—	—	—
24	—	—	—	—	—	—	1	1	—	—	—	—
23	—	—	—	—	—	—	1	1	—	—	—	—
22	—	—	—	—	—	—	2	2	—	—	—	—
20	—	—	—	—	—	—	2	2	—	—	—	—
19	2	—	—	—	—	—	1	—	1	—	—	—
≤ 18	—	1	1	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	388	—	17	120	216	35	397	—	17	131	215	34
40	1	—	1	—	—	—	—	—	—	—	—	—
37	—	—	—	—	—	—	1	—	1	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
31	2	—	2	—	—	—	—	—	—	—	—	—
30	2	—	1	—	—	1	1	—	1	—	—	—
29	3	—	3	—	—	—	1	—	1	—	—	—
28	2	—	2	—	—	—	4	—	4	—	—	—
27	4	—	4	—	—	—	5	—	5	—	—	—
25	1	—	—	—	—	1	—	—	—	—	—	—
24	4	—	—	—	—	4	2	—	1	—	—	1
23	2	—	—	—	—	2	1	—	1	—	—	—

Trips and Drafts of Vessels, 1999
(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												
22	—	—	—	—	—	—	1	—	—	—	—	1
21	4	—	1	—	1	2	1	—	—	—	1	—
20	12	—	—	—	11	1	7	—	—	—	7	—
19	3	—	—	—	3	—	2	—	—	—	2	—
≤ 18	347	—	2	120	201	24	371	—	3	131	205	32
										Total trips:		824
PORT ROYAL HARBOR, SC												
	Inbound						Outbound					
Grand Total	64	15	—	31	—	18	54	14	—	22	—	18
FOREIGN												
Total	15	15	—	—	—	—	14	14	—	—	—	—
27	3	3	—	—	—	—	—	—	—	—	—	—
26	1	1	—	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	1	1	—	—	—	—
23	2	2	—	—	—	—	3	3	—	—	—	—
22	2	2	—	—	—	—	2	2	—	—	—	—
21	3	3	—	—	—	—	3	3	—	—	—	—
20	2	2	—	—	—	—	2	2	—	—	—	—
19	1	1	—	—	—	—	1	1	—	—	—	—
18	—	—	—	—	—	—	1	1	—	—	—	—
16	—	—	—	—	—	—	1	1	—	—	—	—
15	1	1	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	49	—	—	31	—	18	40	—	—	22	—	18
9	4	—	—	—	—	4	—	—	—	—	—	—
8	2	—	—	—	—	2	2	—	—	—	—	2
7	17	—	—	14	—	3	14	—	—	14	—	—
6	22	—	—	17	—	5	9	—	—	8	—	1
5	3	—	—	—	—	3	1	—	—	—	—	1
4	1	—	—	—	—	1	1	—	—	—	—	1
2	—	—	—	—	—	—	13	—	—	—	—	13
										Total trips:		118
ASHLEY RIVER, SC (30 feet and less)												
	Upbound						Downbound					
Grand Total	1,929	1,518	—	294	101	16	1,843	1,342	—	295	111	95
										Total trips:		3,772
GREAT PEE DEE RIVER, SC No Vessel Trips Reported												
SANTEE RIVER, SC No Vessel Trips Reported												
VILLAGE CREEK, SC No Vessel Trips Reported												
WACCAMAW RIVER, SC (6 feet and less)												
	Inbound						Outbound					
Grand Total	2	—	—	2	—	—	2	—	—	2	—	—
										Total trips:		4

Trips and Drafts of Vessels, 1999
(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	4,654	2,709	319	1,011	118	497	4,574	2,664	304	994	118	494

FOREIGN

Total	1,646	1,447	192	3	3	1	1,593	1,402	184	4	2	1
42	—	—	—	—	—	—	1	1	—	—	—	—
40	1	1	—	—	—	—	—	—	—	—	—	—
39	4	3	1	—	—	—	4	4	—	—	—	—
38	15	10	5	—	—	—	21	17	4	—	—	—
37	65	43	22	—	—	—	46	41	5	—	—	—
36	81	75	6	—	—	—	127	121	6	—	—	—
35	80	76	4	—	—	—	99	97	2	—	—	—
34	109	100	9	—	—	—	92	86	6	—	—	—
33	66	61	5	—	—	—	66	63	3	—	—	—
32	113	99	14	—	—	—	86	76	10	—	—	—
31	66	56	10	—	—	—	63	56	7	—	—	—
30	83	66	17	—	—	—	107	82	25	—	—	—
29	72	64	7	—	1	—	56	51	5	—	—	—
28	123	102	21	—	—	—	108	87	21	—	—	—
27	89	78	11	—	—	—	81	69	12	—	—	—
26	98	85	13	—	—	—	89	72	17	—	—	—
25	83	76	7	—	—	—	93	80	13	—	—	—
24	117	102	13	1	1	—	77	62	13	1	1	—
23	64	53	11	—	—	—	73	64	9	—	—	—
22	76	71	5	—	—	—	58	53	5	—	—	—
21	59	54	4	—	—	1	56	53	3	—	—	—
20	50	46	4	—	—	—	59	49	10	—	—	—
19	15	15	—	—	—	—	27	24	3	—	—	—
≤ 18	117	111	3	2	1	—	104	94	5	3	1	1

DOMESTIC

Total	3,008	1,262	127	1,008	115	496	2,981	1,262	120	990	116	493
38	1	—	1	—	—	—	—	—	—	—	—	—
37	2	—	2	—	—	—	2	—	2	—	—	—
36	4	—	4	—	—	—	—	—	—	—	—	—
35	3	—	2	—	—	1	—	—	—	—	—	—
34	3	—	—	—	—	3	2	—	2	—	—	—
33	3	—	3	—	—	—	2	—	2	—	—	—
32	7	—	1	2	—	4	3	—	1	2	—	—
31	7	—	—	—	—	7	3	—	2	—	—	1
30	7	—	6	—	—	1	3	—	2	—	—	1
29	8	—	4	1	—	3	5	—	3	—	—	2
28	8	—	3	—	—	5	3	—	2	—	—	1
27	2	—	2	—	—	—	1	—	1	—	—	—
26	5	—	1	—	1	3	1	—	—	—	—	1
25	12	—	7	—	2	3	5	—	—	—	1	4
24	6	—	2	—	2	2	13	—	3	—	—	10
23	9	—	—	—	9	—	2	—	—	—	—	2
22	5	—	—	1	1	3	5	—	2	—	—	3
21	14	—	—	4	5	5	6	—	—	3	—	3
20	14	—	2	3	3	6	18	—	—	4	—	14
19	2	—	—	—	—	2	4	—	—	—	1	3
≤ 18	2,886	1,262	87	997	92	448	2,903	1,262	98	981	114	448
										Total trips:		9,228

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

	Upbound						Downbound					
Grand Total	7,845	6,828	—	620	105	292	7,876	6,827	1	635	110	303

DOMESTIC

Total	7,845	6,828	—	620	105	292	7,876	6,827	1	635	110	303
12	10	—	—	8	—	2	7	—	—	6	—	1
11	20	—	—	20	—	—	9	—	—	8	—	1
10	16	—	—	1	—	15	2	—	—	1	—	1
9	92	2	—	46	—	44	91	2	—	43	14	32
8	118	—	—	109	—	9	128	—	—	113	11	4
7	523	168	—	318	14	23	515	168	—	333	9	5
≤ 6	7,066	6,658	—	118	91	199	7,124	6,657	1	131	76	259
										Total trips:		15,721

Trips and Drafts of Vessels, 1999
(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	1,705	767	584	187	7	160	1,654	717	582	186	8	161

FOREIGN

Total	435	435	---	---	---	---	385	385	---	---	---	---
35	---	---	---	---	---	---	4	4	---	---	---	---
34	1	1	---	---	---	---	---	---	---	---	---	---
33	1	1	---	---	---	---	1	1	---	---	---	---
32	3	3	---	---	---	---	---	---	---	---	---	---
31	14	14	---	---	---	---	2	2	---	---	---	---
30	16	16	---	---	---	---	7	7	---	---	---	---
29	22	22	---	---	---	---	19	19	---	---	---	---
28	56	56	---	---	---	---	34	34	---	---	---	---
27	68	68	---	---	---	---	81	81	---	---	---	---
26	58	58	---	---	---	---	55	55	---	---	---	---
25	44	44	---	---	---	---	42	42	---	---	---	---
24	47	47	---	---	---	---	24	24	---	---	---	---
23	27	27	---	---	---	---	13	13	---	---	---	---
22	14	14	---	---	---	---	17	17	---	---	---	---
21	6	6	---	---	---	---	12	12	---	---	---	---
20	3	3	---	---	---	---	6	6	---	---	---	---
19	3	3	---	---	---	---	6	6	---	---	---	---
18	2	2	---	---	---	---	29	29	---	---	---	---
17	1	1	---	---	---	---	4	4	---	---	---	---
16	10	10	---	---	---	---	10	10	---	---	---	---
15	5	5	---	---	---	---	5	5	---	---	---	---
14	5	5	---	---	---	---	7	7	---	---	---	---
13	2	2	---	---	---	---	---	---	---	---	---	---
≤ 12	27	27	---	---	---	---	7	7	---	---	---	---

DOMESTIC

Total	1,270	332	584	187	7	160	1,269	332	582	186	8	161
≤ 12	1,270	332	584	187	7	160	1,269	332	582	186	8	161
											Total trips:	3,359

ALTAMAHA RIVER, GA
(7 feet and less)

	Upbound						Downbound					
Grand Total	7	---	---	7	---	---	7	---	---	7	---	---
											Total trips:	14

DARIEN HARBOR, GA
(8 feet and less)

	Inbound						Outbound					
Grand Total	6	---	---	6	---	---	6	---	---	6	---	---
											Total trips:	12

SATILLA RIVER, GA
No Vessel Trips Reported

SAVANNAH RIVER BELOW AUGUSTA, GA
(8 feet and less)

	Upbound						Downbound					
Grand Total	350	101	242	7	---	---	374	128	242	4	---	---
											Total trips:	724

ST. MARYS RIVER, GA AND FL
(14 feet and less)

	Upbound						Downbound					
Grand Total	136	---	---	67	---	69	136	---	---	67	---	69
											Total trips:	272

Trips and Drafts of Vessels, 1999
(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	531	308	—	122	2	99	518	307	—	109	5	97

FOREIGN

Total	317	308	—	7	2	—	313	307	—	1	5	—
32	1	1	—	—	—	—	2	2	—	—	—	—
30	1	1	—	—	—	—	3	3	—	—	—	—
29	4	4	—	—	—	—	3	3	—	—	—	—
28	2	2	—	—	—	—	7	7	—	—	—	—
27	4	4	—	—	—	—	12	12	—	—	—	—
26	9	9	—	—	—	—	12	12	—	—	—	—
25	7	7	—	—	—	—	19	19	—	—	—	—
24	28	28	—	—	—	—	13	13	—	—	—	—
23	17	17	—	—	—	—	28	28	—	—	—	—
22	42	42	—	—	—	—	36	36	—	—	—	—
21	27	27	—	—	—	—	28	28	—	—	—	—
≤ 18	175	166	—	7	2	—	150	144	—	1	5	—

DOMESTIC

Total	214	—	—	115	—	99	205	—	—	108	—	97
≤ 18	214	—	—	115	—	99	205	—	—	108	—	97
										Total trips:		1,049

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

	Upbound						Downbound					
Grand Total	992	5	—	568	63	356	981	5	—	553	71	352

DOMESTIC

Total	992	5	—	568	63	356	981	5	—	553	71	352
15	6	—	—	5	1	—	2	—	—	2	—	—
14	2	—	—	2	—	—	1	—	—	1	—	—
12	8	—	—	6	—	2	6	—	—	6	—	—
11	26	—	—	26	—	—	24	—	—	24	—	—
10	37	—	—	1	—	36	1	—	—	—	—	1
9	83	2	—	75	—	6	81	2	—	70	9	—
8	193	—	—	134	—	59	133	—	—	130	3	—
7	323	—	—	262	11	50	266	—	—	259	7	—
≤ 6	314	3	—	57	51	203	467	3	—	61	52	351
										Total trips:		1,973

JACKSONVILLE HARBOR, FL

	Inbound						Outbound					
Grand Total	6,175	1,998	240	1,820	722	1,395	6,276	2,000	228	1,834	817	1,397

FOREIGN

Total	1,632	1,370	159	50	46	7	1,601	1,337	157	54	45	8
40	1	1	—	—	—	—	—	—	—	—	—	—
38	66	28	36	—	2	—	2	—	2	—	—	—
37	24	6	18	—	—	—	2	2	—	—	—	—
36	20	10	10	—	—	—	1	—	1	—	—	—
35	23	7	16	—	—	—	3	1	2	—	—	—
34	20	11	9	—	—	—	7	3	4	—	—	—
33	8	3	5	—	—	—	6	4	2	—	—	—
32	26	19	7	—	—	—	10	8	2	—	—	—
31	43	40	3	—	—	—	24	19	5	—	—	—
30	97	92	5	—	—	—	82	76	6	—	—	—
29	135	120	13	1	1	—	102	98	4	—	—	—
28	301	291	10	—	—	—	285	277	8	—	—	—
27	128	122	6	—	—	—	128	116	10	—	2	—
26	100	94	3	1	2	—	149	122	26	—	1	—
25	90	84	6	—	—	—	104	94	10	—	—	—
24	72	66	6	—	—	—	125	89	36	—	—	—
23	73	73	—	—	—	—	86	73	13	—	—	—
22	15	14	1	—	—	—	39	29	10	—	—	—
21	36	35	1	—	—	—	52	42	9	—	1	—
20	22	19	1	—	—	2	29	22	5	—	—	2

Trips and Drafts of Vessels, 1999
(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												
19	97	91	2	2	—	2	106	102	2	2	—	—
≤ 18	235	144	1	46	41	3	259	160	—	52	41	6
DOMESTIC												
Total	4,543	628	81	1,770	676	1,388	4,675	663	71	1,780	772	1,389
39	1	—	1	—	—	—	1	—	1	—	—	—
38	9	—	9	—	—	—	—	—	—	—	—	—
37	8	—	8	—	—	—	—	—	—	—	—	—
36	6	—	6	—	—	—	1	—	1	—	—	—
35	6	—	6	—	—	—	1	1	—	—	—	—
34	14	1	12	—	—	1	5	5	—	—	—	—
33	8	1	4	—	1	2	15	15	—	—	—	—
32	12	6	2	1	—	3	14	12	1	1	—	—
31	18	11	6	—	—	1	15	14	1	—	—	—
30	36	27	5	—	—	4	43	41	2	—	—	—
29	21	17	1	—	—	3	22	21	1	—	—	—
28	16	7	4	—	—	5	18	15	2	—	—	1
27	29	24	5	—	—	—	9	2	6	—	—	1
26	15	12	2	—	—	1	224	221	2	—	—	1
25	25	10	3	—	5	7	10	1	6	—	1	2
24	17	3	3	3	3	5	10	1	5	3	—	1
23	203	191	1	8	2	1	4	—	3	—	—	1
22	3	—	1	1	—	1	3	—	3	—	—	—
21	16	—	1	8	1	6	22	—	10	8	—	4
20	110	4	—	94	1	11	125	4	9	107	—	5
19	37	13	—	18	1	5	31	9	—	20	—	2
≤ 18	3,933	301	1	1,637	662	1,332	4,102	301	18	1,641	771	1,371
										Total trips:		12,451

ST. JOHNS RIVER, FL JACKSONVILLE TO LAKE HARNEY

	Upbound						Downbound					
Grand Total	1,650	402	—	453	358	437	1,642	402	—	449	358	433
DOMESTIC												
Total	1,650	402	—	453	358	437	1,642	402	—	449	358	433
14	2	—	—	2	—	—	2	—	—	2	—	—
12	78	—	—	—	—	78	4	—	—	—	—	4
10	55	—	—	—	—	55	—	—	—	—	—	—
9	24	—	—	24	—	—	24	—	—	24	—	—
8	566	402	—	53	—	111	454	402	—	51	—	1
7	453	—	—	279	—	174	280	—	—	278	1	1
6	96	—	—	93	—	3	92	—	—	92	—	—
5	2	—	—	2	—	—	2	—	—	2	—	—
3	4	—	—	—	4	—	3	—	—	—	3	—
2	364	—	—	—	348	16	775	—	—	—	348	427
1	6	—	—	—	6	—	6	—	—	—	6	—
										Total trips:		3,292

INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI, FL

	Upbound						Downbound					
Grand Total	2,574	1,381	—	645	50	498	2,416	1,379	—	581	68	388
FOREIGN												
Total	153	113	—	30	10	—	162	118	—	32	12	—
14	1	—	—	1	—	—	4	—	—	3	1	—
12	4	2	—	1	1	—	1	1	—	—	—	—
11	2	2	—	—	—	—	—	—	—	—	—	—
10	2	2	—	—	—	—	1	1	—	—	—	—
9	3	2	—	1	—	—	3	—	—	3	—	—
8	5	2	—	2	1	—	4	2	—	1	1	—
7	20	15	—	5	—	—	23	16	—	7	—	—
≤ 6	116	88	—	20	8	—	126	98	—	18	10	—

Trips and Drafts of Vessels, 1999
(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

INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI, FL - continued
Upbound

Downbound

DOMESTIC

Total	2,421	1,268	---	615	40	498	2,254	1,261	---	549	56	388
15	---	---	---	---	---	---	2	---	---	2	---	---
14	---	---	---	---	---	---	1	---	---	1	---	---
13	---	---	---	---	---	---	3	---	---	3	---	---
12	67	---	---	4	---	63	1	---	---	---	---	1
11	77	---	---	76	---	1	34	---	---	30	---	4
10	640	635	---	4	---	1	645	635	---	7	---	3
9	55	43	---	12	---	---	61	41	---	11	6	3
8	284	56	---	120	---	108	209	57	---	116	2	34
7	253	14	---	235	---	4	283	42	---	233	7	1
≤ 6	1,045	520	---	164	40	321	1,015	486	---	146	41	342
										Total trips:		4,990

CANAVERAL HARBOR, FL

Inbound

Outbound

Grand Total	1,873	1,082	57	384	58	292	1,920	1,114	56	381	77	292
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FOREIGN

Total	943	789	40	61	51	2	981	821	39	64	54	3
39	1	---	1	---	---	---	---	---	---	---	---	---
38	3	---	3	---	---	---	---	---	---	---	---	---
37	5	1	4	---	---	---	2	1	1	---	---	---
36	4	1	3	---	---	---	3	1	2	---	---	---
35	4	2	2	---	---	---	3	1	2	---	---	---
34	11	11	---	---	---	---	5	4	1	---	---	---
33	7	4	1	1	---	1	3	---	1	1	---	1
32	10	7	3	---	---	---	5	3	2	---	---	---
31	6	4	2	---	---	---	5	1	4	---	---	---
30	98	97	1	---	---	---	108	107	1	---	---	---
29	10	9	1	---	---	---	4	2	2	---	---	---
28	13	12	1	---	---	---	7	6	1	---	---	---
27	149	148	1	---	---	---	153	151	2	---	---	---
26	146	145	1	---	---	---	141	139	2	---	---	---
25	110	107	3	---	---	---	115	113	2	---	---	---
24	27	24	3	---	---	---	27	25	2	---	---	---
23	19	18	1	---	---	---	20	20	---	---	---	---
22	12	10	---	---	2	---	17	13	2	---	2	---
21	64	63	---	1	---	---	70	67	1	2	---	---
20	9	8	---	---	---	1	20	18	2	---	---	---
19	6	5	1	---	---	---	19	17	1	1	---	---
≤ 18	229	113	8	59	49	---	254	132	8	60	52	2

DOMESTIC

Total	930	293	17	323	7	290	939	293	17	317	23	289
38	1	---	1	---	---	---	---	---	---	---	---	---
37	1	---	1	---	---	---	---	---	---	---	---	---
36	2	---	2	---	---	---	---	---	---	---	---	---
35	3	---	3	---	---	---	---	---	---	---	---	---
34	3	---	3	---	---	---	---	---	---	---	---	---
33	3	---	3	---	---	---	---	---	---	---	---	---
32	3	---	1	1	---	1	2	---	---	1	---	1
31	2	---	---	---	---	2	2	---	2	---	---	---
30	3	---	1	---	---	2	1	---	1	---	---	---
29	3	---	1	---	---	2	---	---	---	---	---	---
27	2	---	1	---	---	1	1	---	1	---	---	---
26	---	---	---	---	---	---	1	---	---	---	---	1
25	1	---	---	---	---	1	7	---	5	---	---	2
24	1	---	---	---	---	1	---	---	---	---	---	---
22	3	---	---	---	---	3	1	---	---	---	---	1
21	10	---	---	8	---	2	11	---	5	6	---	---
20	8	---	---	4	---	4	4	---	2	---	---	2
19	2	---	---	---	---	2	---	---	---	---	---	---
≤ 18	879	293	---	310	7	269	909	293	1	310	23	282
										Total trips:		3,793

Trips and Drafts of Vessels, 1999
(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													
Grand Total			Inbound						Outbound				
	1,793	1,538	15	118	56	66	1,405	1,136	10	123	73	63	
FOREIGN													
Total	1,091	1,062	15	12	—	2	682	658	10	10	—	4	
33	—	—	—	—	—	—	1	—	1	—	—	—	
32	1	—	1	—	—	—	7	—	7	—	—	—	
31	2	2	—	—	—	—	—	—	—	—	—	—	
30	3	3	—	—	—	—	2	2	—	—	—	—	
29	5	4	1	—	—	—	2	2	—	—	—	—	
28	1	1	—	—	—	—	—	—	—	—	—	—	
27	6	6	—	—	—	—	5	5	—	—	—	—	
26	1	1	—	—	—	—	17	17	—	—	—	—	
25	3	1	2	—	—	—	—	—	—	—	—	—	
24	4	3	1	—	—	—	4	3	1	—	—	—	
23	17	15	2	—	—	—	2	2	—	—	—	—	
22	18	17	1	—	—	—	—	—	—	—	—	—	
21	40	38	2	—	—	—	56	56	—	—	—	—	
20	20	20	—	—	—	—	27	27	—	—	—	—	
19	3	2	1	—	—	—	1	1	—	—	—	—	
≤ 18	967	949	4	12	—	2	558	543	1	10	—	4	
DOMESTIC													
Total	702	476	—	106	56	64	723	478	—	113	73	59	
32	14	—	—	—	—	14	—	—	—	—	—	—	
31	1	—	—	—	—	1	—	—	—	—	—	—	
29	2	—	—	—	—	2	—	—	—	—	—	—	
28	9	—	—	—	—	9	—	—	—	—	—	—	
27	27	—	—	—	—	27	—	—	—	—	—	—	
26	4	—	—	—	—	4	5	—	—	—	5	—	
25	1	—	—	—	1	—	4	—	—	—	4	—	
24	5	—	—	—	—	5	11	—	—	—	11	—	
23	—	—	—	—	—	—	34	—	—	—	34	—	
21	22	—	—	22	—	—	32	—	—	21	11	—	
20	6	—	—	6	—	—	4	—	—	2	—	2	
≤ 18	611	476	—	78	55	2	633	478	—	90	8	57	
										Total trips:		3,198	
PORT EVERGLADES HARBOR, FL													
Grand Total			Inbound						Outbound				
	5,781	4,623	413	438	32	275	5,862	4,676	395	465	38	288	
FOREIGN													
Total	4,178	3,929	134	82	13	20	4,287	3,977	136	111	20	43	
39	4	2	2	—	—	—	—	—	—	—	—	—	
38	4	—	4	—	—	—	1	1	—	—	—	—	
37	21	12	9	—	—	—	—	—	—	—	—	—	
36	49	26	23	—	—	—	5	5	—	—	—	—	
35	40	21	19	—	—	—	3	3	—	—	—	—	
34	20	11	9	—	—	—	9	7	2	—	—	—	
33	27	22	5	—	—	—	18	16	2	—	—	—	
32	31	14	17	—	—	—	25	17	8	—	—	—	
31	23	17	6	—	—	—	17	12	5	—	—	—	
30	31	20	10	—	—	1	34	18	16	—	—	—	
29	35	32	3	—	—	—	37	37	—	—	—	—	
28	96	94	2	—	—	—	151	126	25	—	—	—	
27	63	58	4	—	—	1	77	59	15	1	—	2	
26	204	203	1	—	—	—	219	211	8	—	—	—	
25	127	122	4	—	1	—	172	165	7	—	—	—	
24	205	201	2	—	—	2	266	233	31	—	1	1	
23	126	126	—	—	—	—	159	159	—	—	—	—	
22	183	182	—	—	—	1	215	211	3	—	—	1	
21	170	169	1	—	—	—	220	219	—	—	1	—	
20	140	140	—	—	—	—	198	196	1	—	—	1	
19	230	228	—	—	—	2	99	96	—	1	—	2	
≤ 18	2,349	2,229	13	82	12	13	2,362	2,186	13	109	18	36	

Trips and Drafts of Vessels, 1999
(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

Total	1,603	694	279	356	19	255	1,575	699	259	354	18	245
40	17	—	17	—	—	—	—	—	—	—	—	—
39	9	—	9	—	—	—	3	—	3	—	—	—
38	20	—	20	—	—	—	1	—	1	—	—	—
37	50	—	50	—	—	—	1	—	1	—	—	—
36	29	—	29	—	—	—	1	—	1	—	—	—
35	66	—	58	—	—	8	2	—	2	—	—	—
34	39	—	27	—	—	12	2	—	2	—	—	—
33	28	—	23	—	—	5	4	—	4	—	—	—
32	19	—	5	3	—	11	7	—	5	2	—	—
31	8	—	3	—	—	5	5	—	5	—	—	—
30	13	1	4	—	—	8	33	—	32	—	—	1
29	5	1	—	—	—	4	8	2	5	—	—	1
28	30	1	6	—	—	23	9	4	5	—	—	—
27	5	2	2	—	—	1	7	4	3	—	—	—
26	10	8	—	—	—	2	18	6	11	—	—	1
25	28	12	8	—	—	8	38	8	29	—	—	1
24	1	—	—	—	—	1	9	2	7	—	—	—
23	3	—	—	2	—	1	10	—	10	—	—	—
22	5	—	1	—	—	4	45	—	44	—	—	1
21	10	—	2	6	—	2	24	—	19	2	—	3
20	6	3	—	2	—	1	57	3	44	6	—	4
19	8	8	—	—	—	—	13	12	—	—	—	1
≤ 18	1,194	658	15	343	19	159	1,278	658	26	344	18	232
										Total trips:		11,643

MIAMI HARBOR, FL

Inbound

Outbound

Grand Total	10,835	8,858	29	1,452	95	401	10,831	8,904	26	1,425	97	379
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FOREIGN

Total	4,808	4,641	16	88	42	21	4,830	4,690	15	75	48	2
41	2	2	—	—	—	—	2	2	—	—	—	—
40	8	8	—	—	—	—	8	8	—	—	—	—
39	9	9	—	—	—	—	9	9	—	—	—	—
38	72	72	—	—	—	—	73	73	—	—	—	—
37	22	22	—	—	—	—	22	22	—	—	—	—
36	36	36	—	—	—	—	34	34	—	—	—	—
35	56	55	1	—	—	—	53	53	—	—	—	—
34	13	12	1	—	—	—	9	9	—	—	—	—
33	65	64	1	—	—	—	65	65	—	—	—	—
32	73	70	3	—	—	—	67	67	—	—	—	—
31	44	43	1	—	—	—	47	47	—	—	—	—
30	121	119	2	—	—	—	129	127	2	—	—	—
29	87	87	—	—	—	—	68	68	—	—	—	—
28	162	160	2	—	—	—	156	148	8	—	—	—
27	241	241	—	—	—	—	256	254	2	—	—	—
26	38	36	2	—	—	—	30	30	—	—	—	—
25	620	620	—	—	—	—	602	601	1	—	—	—
24	66	65	1	—	—	—	63	63	—	—	—	—
23	121	120	1	—	—	—	109	109	—	—	—	—
22	105	104	—	1	—	—	52	51	—	1	—	—
21	49	49	—	—	—	—	16	15	1	—	—	—
20	207	207	—	—	—	—	553	553	—	—	—	—
19	58	58	—	—	—	—	14	14	—	—	—	—
≤ 18	2,533	2,382	1	87	42	21	2,393	2,268	1	74	48	2

DOMESTIC

Total	6,027	4,217	13	1,364	53	380	6,001	4,214	11	1,350	49	377
36	1	1	—	—	—	—	—	—	—	—	—	—
35	1	1	—	—	—	—	—	—	—	—	—	—
34	3	3	—	—	—	—	1	1	—	—	—	—
33	6	4	2	—	—	—	2	2	—	—	—	—
32	7	4	1	—	—	—	4	4	—	—	—	—
31	14	7	1	—	—	6	2	2	—	—	—	—
30	24	19	1	—	—	4	30	30	—	—	—	—
29	3	2	—	—	—	—	1	1	—	—	—	—
28	7	1	2	—	—	—	1	—	—	—	—	1
27	2	—	—	—	—	2	—	—	—	—	—	—

Trips and Drafts of Vessels, 1999
(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
MIAMI HARBOR, FL - continued												
	Inbound						Outbound					
DOMESTIC												
26	6	—	2	—	—	4	1	—	—	—	—	1
25	3	—	2	—	—	1	7	—	4	—	—	3
24	—	—	—	—	—	—	2	—	—	—	—	2
23	1	—	1	—	—	—	2	1	—	—	—	1
22	1	—	—	—	—	1	3	—	—	—	—	3
21	5	—	—	4	—	1	7	—	3	4	—	—
20	10	—	1	8	—	1	5	—	4	—	—	1
≤ 18	5,933	4,175	—	1,352	53	353	5,933	4,173	—	1,346	49	365
										Total trips:		21,666
MIAMI RIVER, FL												
	Upbound						Downbound					
Grand Total	1,822	878	—	935	9	—	1,858	907	—	940	11	—
FOREIGN												
Total	886	862	—	16	8	—	923	892	—	21	10	—
18	18	18	—	—	—	—	20	20	—	—	—	—
15	—	—	—	—	—	—	1	1	—	—	—	—
14	3	3	—	—	—	—	4	4	—	—	—	—
13	227	227	—	—	—	—	287	287	—	—	—	—
12	96	96	—	—	—	—	151	151	—	—	—	—
11	94	94	—	—	—	—	96	96	—	—	—	—
10	114	114	—	—	—	—	85	85	—	—	—	—
9	56	56	—	—	—	—	51	51	—	—	—	—
8	40	40	—	—	—	—	9	9	—	—	—	—
7	44	44	—	—	—	—	30	27	—	2	1	—
≤ 6	194	170	—	16	8	—	189	161	—	19	9	—
DOMESTIC												
Total	936	16	—	919	1	—	935	15	—	919	1	—
9	2	2	—	—	—	—	2	2	—	—	—	—
8	499	11	—	488	—	—	424	10	—	414	—	—
7	434	3	—	431	—	—	508	3	—	505	—	—
≤ 6	1	—	—	—	1	—	1	—	—	—	1	—
										Total trips:		3,680
INTRACOASTAL WATERWAY, MIAMI TO KEY WEST, FL												
	Upbound						Downbound					
Grand Total	6,268	5,774	—	256	—	238	6,280	5,775	—	267	—	238
DOMESTIC												
Total	6,268	5,774	—	256	—	238	6,280	5,775	—	267	—	238
11	—	—	—	—	—	—	2	—	—	—	—	2
10	—	—	—	—	—	—	1	—	—	1	—	—
8	—	—	—	—	—	—	2	—	—	—	—	2
7	28	—	—	28	—	—	34	—	—	28	—	6
6	202	—	—	202	—	—	430	—	—	202	—	228
5	5,283	5,267	—	16	—	—	5,291	5,267	—	24	—	—
4	428	428	—	—	—	—	428	428	—	—	—	—
3	85	79	—	6	—	—	85	79	—	6	—	—
2	242	—	—	4	—	238	7	1	—	6	—	—
										Total trips:		12,548
BAKERS HAULOVER INLET, FL												
(8 feet and less)												
	Upbound						Downbound					
Grand Total	3	3	—	—	—	—	2	2	—	—	—	—
										Total trips:		5

Trips and Drafts of Vessels, 1999
(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
EAU GALLIE HARBOR, FL No Vessel Trips Reported												
FORT PIERCE HARBOR, FL (22 feet and less)												
				Inbound							Outbound	
Grand Total	173	140	1	28	4	—	155	125	1	25	4	—
										Total trips:		328
KEY WEST HARBOR, FL (34 feet and less)												
				Inbound							Outbound	
Grand Total	1,597	1,558	6	27	1	5	1,586	1,553	4	22	2	5
										Total trips:		3,183
MELBOURNE HARBOR, FL (9 feet and less)												
				Inbound							Outbound	
Grand Total	31	31	—	—	—	—	29	29	—	—	—	—
										Total trips:		60
NEW RIVER, FL (8 feet and less)												
				Upbound							Downbound	
Grand Total	19	3	—	16	—	—	20	3	—	17	—	—
										Total trips:		39
OKLAWAHA RIVER, FL No Vessel Trips Reported												
PONCE DE LEON INLET, FL No Vessel Trips Reported												
RICE CREEK, FL (10 feet and less)												
				Upbound							Downbound	
Grand Total	238	—	—	116	—	122	238	—	—	116	—	122
										Total trips:		476
ST. AUGUSTINE HARBOR, FL (8 feet and less)												
				Inbound							Outbound	
Grand Total	1,209	1,192	—	10	7	—	1,206	1,191	—	10	5	—
										Total trips:		2,415
ST. LUCIE INLET, FL (9 feet and less)												
				Upbound							Downbound	
Grand Total	151	151	—	—	—	—	154	150	—	2	2	—
										Total trips:		305

Trips and Drafts of Vessels, 1999
(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	42,882	37,023	—	2,961	1,770	1,128	42,891	37,022	1	2,960	1,771	1,137
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DOMESTIC

Total	42,882	37,023	—	2,961	1,770	1,128	42,891	37,022	1	2,960	1,771	1,137
15	6	—	—	5	1	—	2	—	—	2	—	—
14	2	—	—	2	—	—	1	—	—	1	—	—
12	24	—	—	9	2	13	17	—	—	9	—	8
11	46	—	—	40	2	4	36	—	—	28	—	8
10	53	—	—	3	—	50	318	—	—	6	193	119
9	23,569	23,069	—	240	2	258	23,487	23,069	—	236	38	144
8	1,293	—	—	1,185	4	104	1,228	—	—	1,196	23	9
7	1,452	168	—	1,207	14	63	1,751	168	—	1,210	367	6
≤ 6	16,437	13,786	—	270	1,745	636	16,051	13,785	1	272	1,150	843
										Total trips:		85,773

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