
WATERBORNE COMMERCE OF THE UNITED STATES

Calendar Year 1998

Part 1—
Waterways and Harbors
Atlantic Coast



Compiled under the supervision of
the Water Resources Support Center
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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 1998, 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.

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

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

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

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

Traffic Direction

Waterways

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

Downbound: Traffic that moves in a downstream direction. For waterways without a characteristic monodirectional flow, "downbound" means in a southerly or 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	Major Grouping Minor Grouping Pub Group Pub Name
00 Units	3282 Pigments & Paints
0200 Vehicles	3283 Coloring Mat. NEC
0300 Passengers	3284 Medicines
10 Coal	3285 Perfumes & Cleansers
1100 Coal	3286 Plastics
1200 Coal Coke	3291 Pesticides
20 Petroleum & Petroleum Products	3292 Starches,Gluten,Glue
21 Crude Petroleum	3293 Explosives
2100 Crude Petroleum	3297 Chemical Additives
22-29 Petroleum Products	3298 Wood & Resin Chem.
2211 Gasoline	3299 Chem. Products NEC
2221 Kerosene	40 Crude Materials, Inedible Except Fuels
2330 Distillate Fuel Oil	41 Forest Products, Wood and Chips
2340 Residual Fuel Oil	4110 Rubber & Gums
2350 Lube Oil & Greases	4150 Fuel Wood
2410 Petro. Jelly & Waxes	4161 Wood Chips
2429 Naphtha & Solvents	4170 Wood in the Rough
2430 Asphalt, Tar & Pitch	4189 Lumber
2540 Petroleum Coke	4190 Forest Products NEC
2640 Liquid Natural Gas	42 Pulp and Waste Paper
2990 Petro. Products NEC	4225 Pulp & Waste Paper
30 Chemicals and Related Products	43 Soil, Sand, Gravel, Rock and Stone
31 Fertilizers	4310 Building Stone
3110 Nitrogenous Fert.	4322 Limestone
3120 Phosphatic Fert.	4323 Gypsum
3130 Potassic Fert.	4327 Phosphate Rock
3190 Fert. & Mixes NEC	4331 Sand & Gravel
32 Other Chemicals and Related Products	4333 Dredged Material
3211 Acyclic Hydrocarbons	4335 Waterway Improv. Mat
3212 Benzene & Toluene	4338 Soil & Fill Dirt
3219 Other Hydrocarbons	44 Iron Ore and Scrap
3220 Alcohols	4410 Iron Ore
3230 Carboxylic Acids	4420 Iron & Steel Scrap
3240 Nitrogen Func. Comp.	45 Marine Shells
3250 Organo-Inorganic Comp.	4515 Marine Shells
3260 Organic Comp. NEC	46 Non-Ferrous Ores and Scrap
3271 Sulphur (Liquid)	4630 Copper Ore
3272 Sulphuric Acid	4650 Aluminum Ore
3273 Ammonia	4670 Manganese Ore
3274 Sodium Hydroxide	4680 Non-Ferrous Scrap
3275 Inorg. Elem.,Oxides, & Halogen Salts	4690 Non-Ferrous Ores NEC
3276 Metallic Salts	47 Sulphur, Clay and Salt
3279 Inorganic Chem. NEC	4741 Sulphur, (Dry)
3281 Radioactive Material	4782 Clay & Refrac. Mat.
	4783 Salt
	48 Slag
	4860 Slag
	49 Other Non-Metal. Min.
	4900 Non-Metal. Min. NEC

Commodity Classification List (continued)

<u>Major Grouping</u>	<u>Major Grouping</u>
<u>Minor Grouping</u>	<u>Minor Grouping</u>
<u>Pub Group Pub Name</u>	<u>Pub Group Pub Name</u>
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.	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
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.	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
1989	1,092	1992	1,354	1995	1,238	1998	876
1990	1,121	1993	1,158	1996	1,029		
1991	1,113	1994	1,232	1997	1,153		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total Receipts	Coastwise	Internal Shipments
Total, all commodities	876	351		35	24	465	422	43
Total coal	28	28						
1100 coal lignite	28	28						
Total petroleum and petroleum products	846	323		35	24	463	420	43
Subtotal petroleum products	846	323		35	24	463	420	43
2211 gasoline	136	18				118	118	
2221 kerosene	45				24	20	17	3
2330 distillate fuel oil	245	170				75	36	39
2340 residual fuel oil	419	135		35		249	249	
Total chemicals and related products	2					2	2	
Subtotal other chemicals and related products	2					2	2	
3274 sodium hydroxide	2					2	2	

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
1989	1,231	1992	1,774	1995	1,696	1998	1,556
1990	1,468	1993	1,602	1996	1,393		
1991	1,530	1994	1,653	1997	1,698		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total Receipts	Coastwise	Internal Intra Upbound
Total, all commodities	1,556	757	3	222	25	549	506	43
Total coal	28	28						
1100 coal lignite	28	28						
Total petroleum and petroleum products	1,375	605		199	24	547	504	43
Subtotal petroleum products	1,375	605		199	24	547	504	43
2211 gasoline	231	28		85		118	118	
2221 kerosene	78			12	24	42	38	3
2330 distillate fuel oil	442	305		42		95	55	39
2340 residual fuel oil	553	243		60		249	249	
2430 asphalt, tar & pitch	43					43	43	
2540 petroleum coke	28	28						
Total chemicals and related products	15	12	0			2	2	
Subtotal fertilizers	0		0					
3110 nitrogenous fert.	0		0					
Subtotal other chemicals and related products	14	12	0			2	2	
3274 sodium hydroxide	14	12				2	2	
3285 perfumes & cleansers	0		0					

PENOBSCOT RIVER, ME
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Coastwise	Internal
								Intra Upbound
Total crude materials, inedible except fuels	135	113	—	22	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	26	26	—	—	—	—	—	—
4323 gypsum	26	26	—	—	—	—	—	—
Subtotal other non-metal. min.	108	86	—	22	—	—	—	—
4900 non-metal. min. nec	108	86	—	22	—	—	—	—
Total primary manufactured goods	3	—	3	—	—	—	—	—
Subtotal paper products	3	—	3	—	—	—	—	—
5110 newsprint	2	—	2	—	—	—	—	—
5120 paper & paperboard	1	—	1	—	—	—	—	—
Total food and farm products	1	—	—	1	0	—	—	—
Subtotal fish	1	—	—	1	0	—	—	—
6134 fish (not shellfish)	1	—	—	1	0	—	—	—
Total all manufactured equipment, machinery and products	0	0	—	—	—	—	—	—
7210 vehicles & parts	0	0	—	—	—	—	—	—
Total unknown or not elsewhere classified	0	—	—	—	0	—	—	—
9900 unknown or nec	0	—	—	—	0	—	—	—
Ton-miles (x1000)	21,901	11,925	66	3,972	295	5,643	5,300	342

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

1,556
21,901

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
1989	1,083	1992	783	1995	1,263	1998	1,329
1990	1,194	1993	1,407	1996	1,433		
1991	889	1994	1,136	1997	1,537		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports	Exports		
				Receipts	
Total, all commodities	1,328	386	29	544	370
Total coal	59	—	—	—	59
1100 coal lignite	59	—	—	—	59
Total petroleum and petroleum products	1,013	208	0	522	284
Subtotal petroleum products	1,013	208	0	522	284
2211 gasoline	251	—	—	218	33
2221 kerosene	8	—	—	—	8
2330 distillate fuel oil	253	—	—	247	6
2340 residual fuel oil	468	181	—	51	237
2429 naphtha & solvents	0	—	0	—	—
2540 petroleum coke	33	27	—	6	—
Total chemicals and related products	46	16	3	—	28
Subtotal other chemicals and related products	46	16	3	—	28
3240 nitrogen func. comp.	0	—	0	—	—
3274 sodium hydroxide	35	7	—	—	28
3282 pigments & paints	0	—	0	—	—
3286 plastics	1	—	1	—	—
3292 starches, gluten, glue	10	9	2	—	—
3299 chem. products nec	0	—	0	—	—

SEARSPORT HARBOR, ME
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports	Exports	Imports	Coastwise Receipts
Total crude materials, inedible except fuels	149	127	1	22	---
Subtotal pulp and waste paper	0	---	0	---	---
4225 pulp & waste paper	0	---	0	---	---
Subtotal iron ore and scrap	0	---	0	---	---
4420 iron & steel scrap	0	---	0	---	---
Subtotal non-ferrous ores and scrap	0	---	0	---	---
4680 non-ferrous scrap	0	---	0	---	---
Subtotal slag	7	7	---	---	---
4860 slag	7	7	---	---	---
Subtotal other non-metal. min.	142	120	---	22	---
4900 non-metal. min. nec	142	120	---	22	---
Total primary manufactured goods	52	36	15	0	---
Subtotal paper products	11	---	11	---	---
5110 newsprint	6	---	6	---	---
5120 paper & paperboard	6	---	6	---	---
5190 paper products nec	0	---	0	---	---
Subtotal lime, cement and glass	36	36	0	---	---
5220 cement & concrete	36	36	---	---	---
5240 glass & glass prod.	0	---	0	---	---
Subtotal primary iron and steel products	4	---	4	---	---
5330 i&s plates & sheets	4	---	4	---	---
Subtotal primary non-ferrous metal products	0	---	0	0	---
5421 copper	0	---	0	---	---
5429 smelted prod. nec	0	---	0	---	---
5480 fab. metal products	0	---	0	0	---
Total food and farm products	9	---	9	---	---
Subtotal grain	1	---	1	---	---
6344 corn	1	---	1	---	---
Subtotal oilseeds	0	---	0	---	---
6522 soybeans	0	---	0	---	---
Subtotal processed grain and animal feed	6	---	6	---	---
6747 grain mill products	0	---	0	---	---
6782 animal feed, prep.	6	---	6	---	---
Subtotal other agricultural products	2	---	2	---	---
6811 meat, fresh, frozen	0	---	0	---	---
6822 dairy products	0	---	0	---	---
6839 animals & prod. nec	1	---	1	---	---
6858 fruit juices	0	---	0	---	---
6889 food products nec	1	---	1	---	---
Total all manufactured equipment, machinery and products	2	---	2	---	---
7110 machinery (not elec)	0	---	0	---	---
7120 electrical machinery	1	---	1	---	---
7210 vehicles & parts	0	---	0	---	---
7400 manufac. wood prod.	0	---	0	---	---
7500 textile products	0	---	0	---	---
7600 rubber & plastic pr.	0	---	0	---	---
7900 manufac. prod. nec	0	---	0	---	---

PORTLAND HARBOR, ME

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	8,182	1992	12,511	1995	11,456	1998	15,064
1990	10,772	1993	11,171	1996	15,243		
1991	8,032	1994	14,245	1997	16,334		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports	Imports*	Exports*	Total	Coastwise		Internal
						Receipts	Shipments	Intra Upbound	
Total, all commodities	15,064	10,977	60	2,359	25	1,643	1,593	48	2
Total coal	128	---	---	---	---	128	128	---	---
1100 coal lignite	128	---	---	---	---	128	128	---	---
Total petroleum and petroleum products	14,582	10,822	---	2,248	17	1,494	1,465	27	2
Subtotal crude petroleum	9,585	9,585	---	---	---	---	---	---	---
2100 crude petroleum	9,585	9,585	---	---	---	---	---	---	---
Subtotal petroleum products	4,997	1,238	---	2,248	17	1,494	1,465	27	2
2211 gasoline	2,669	718	---	1,289	---	662	662	---	---
2221 kerosene	106	32	---	---	---	74	51	23	---
2330 distillate fuel oil	1,506	332	---	769	---	405	400	4	1
2340 residual fuel oil	513	82	---	106	0	326	325	---	0
2350 lube oil & greases	0	0	---	---	---	---	---	---	---
2429 naphtha & solvents	65	31	---	17	17	---	---	---	---
2430 asphalt, tar & pitch	14	---	---	---	---	14	14	---	---
2540 petroleum coke	124	43	---	67	---	14	14	---	---
Total chemicals and related products	9	6	3	---	---	---	---	---	---
Subtotal fertilizers	0	---	0	---	---	---	---	---	---
3190 fert. & mixes nec	0	---	0	---	---	---	---	---	---
Subtotal other chemicals and related products	8	6	2	---	---	---	---	---	---
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	---	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	---	---	---	---	---
3276 metallic salts	1	---	1	---	---	---	---	---	---
3279 inorganic chem. nec	0	---	0	---	---	---	---	---	---
3282 pigments & paints	0	0	0	---	---	---	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---	---	---	---
3284 medicines	0	---	0	---	---	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---	---	---

PORTLAND HARBOR, ME
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports	Imports*	Exports*	Total	Coastwise		Internal
							Receipts	Shipments	Intra Upbound
3286 plastics	1	0	1	—	—	—	—	—	
3291 pesticides	0	—	0	—	—	—	—	—	
3292 starches, gluten, glue	6	6	0	—	—	—	—	—	
3297 chemical additives	0	—	0	—	—	—	—	—	
3299 chem. products nec	0	—	0	—	—	—	—	—	
Total crude materials, inedible except fuels	200	146	20	27	8	—	—	—	
Subtotal forest products, wood and chips	12	5	7	—	—	—	—	—	
4110 rubber & gums	0	—	0	—	—	—	—	—	
4170 wood in the rough	4	—	4	—	—	—	—	—	
4189 lumber	2	—	2	—	—	—	—	—	
4190 forest products nec	5	5	0	—	—	—	—	—	
Subtotal pulp and waste paper	6	—	1	—	5	—	—	—	
4225 pulp & waste paper	6	—	1	—	5	—	—	—	
Subtotal iron ore and scrap	12	—	12	—	—	—	—	—	
4420 iron & steel scrap	12	—	12	—	—	—	—	—	
Subtotal sulphur, clay and salt	22	20	—	—	2	—	—	—	
4782 clay & refrac. mat.	22	20	—	—	2	—	—	—	
Subtotal other non-metal. min.	148	121	0	27	—	—	—	—	
4900 non-metal. min. nec	148	121	0	27	—	—	—	—	
Total primary manufactured goods	129	0	24	84	0	21	—	21	
Subtotal paper products	103	0	19	83	0	—	—	—	
5110 newsprint	83	—	—	83	—	—	—	—	
5120 paper & paperboard	18	0	18	—	0	—	—	—	
5190 paper products nec	2	0	2	—	0	—	—	—	
Subtotal lime, cement and glass	25	0	4	—	—	21	—	21	
5240 glass & glass prod.	25	0	4	—	—	21	—	21	
5290 misc. mineral prod.	0	—	0	—	—	—	—	—	
Subtotal primary iron and steel products	0	0	0	—	—	—	—	—	
5330 i&s plates & sheets	0	0	—	—	—	—	—	—	
5370 i&s pipe & tube	0	—	0	—	—	—	—	—	
Subtotal primary non-ferrous metal products	1	—	0	1	—	—	—	—	
5421 copper	0	—	0	—	—	—	—	—	
5422 aluminum	0	—	0	—	—	—	—	—	
5429 smelted prod. nec	0	—	0	—	—	—	—	—	
5480 fab. metal products	1	—	0	1	—	—	—	—	
Subtotal primary wood products	0	—	0	—	—	—	—	—	
5540 primary wood prod.	0	—	0	—	—	—	—	—	

PORTLAND HARBOR, ME
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intra Upbound
		Imports*	Exports	Imports*	Exports*	Total	Coastwise		
						Receipts	Shipments		
Total food and farm products	12	1	10	0	---	---	---	---	
Subtotal fish	0	0	0	0	---	---	---	---	
6134 fish (not shellfish)	0	---	0	0	---	---	---	---	
6136 shellfish	0	0	0	0	---	---	---	---	
Subtotal oilseeds	0	---	0	---	---	---	---	---	
6522 soybeans	0	---	0	---	---	---	---	---	
6590 oilseeds nec	0	---	0	---	---	---	---	---	
Subtotal vegetable products	0	---	0	---	---	---	---	---	
6653 vegetable oils	0	---	0	---	---	---	---	---	
6654 vegetables & prod.	0	---	0	---	---	---	---	---	
Subtotal processed grain and animal feed	3	---	3	---	---	---	---	---	
6746 wheat flour	0	---	0	---	---	---	---	---	
6747 grain mill products	0	---	0	---	---	---	---	---	
6781 hay & fodder	2	---	2	---	---	---	---	---	
6782 animal feed, prep.	0	---	0	---	---	---	---	---	
Subtotal other agricultural products	8	1	6	0	---	---	---	---	
6811 meat, fresh, frozen	1	---	1	---	---	---	---	---	
6822 dairy products	0	---	0	---	---	---	---	---	
6835 fish, prepared	0	---	0	0	---	---	---	---	
6839 animals & prod. nec	4	0	4	0	---	---	---	---	
6857 fruit & nuts nec	0	---	0	---	---	---	---	---	
6858 fruit juices	0	---	0	---	---	---	---	---	
6885 alcoholic beverages	2	1	1	---	---	---	---	---	
6889 food products nec	0	---	0	---	---	---	---	---	
6891 tobacco & products	0	---	0	---	---	---	---	---	
Total all manufactured equipment, machinery and products	5	1	4	0	0	---	---	---	
7110 machinery (not elec)	3	1	2	---	---	---	---	---	
7120 electrical machinery	0	0	0	---	---	---	---	---	
7210 vehicles & parts	0	0	0	---	---	---	---	---	
7220 aircraft & parts	0	---	0	---	---	---	---	---	
7230 ships & boats	0	0	0	---	---	---	---	---	
7300 ordnance & access.	0	0	---	---	---	---	---	---	
7400 manufac. wood prod.	0	0	0	---	---	---	---	---	
7500 textile products	0	0	0	---	0	---	---	---	
7600 rubber & plastic pr.	0	0	0	---	---	---	---	---	
7900 manufac. prod. nec	1	0	0	0	---	---	---	---	

PORTLAND HARBOR, ME
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Upbound
		Imports*	Exports	Imports*	Exports*	Total	Coastwise		
							Receipts	Shipments	
Total unknown or not elsewhere classified	0	0	0	---	---	---	---	---	
9900 unknown or nec	0	0	0	---	---	---	---	---	
Ton-miles (x1000)	19,009	10,977	60	2,359	25	5,590	5,442	145	
Tons All Traffic (x1000)				15,064					
Ton-miles All Traffic (x1000)				19,010					

*Includes 9,616 (x1000) tons of foreign inbound in-transits; Includes 17 (x1000) tons of Canadian 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
1989	3,476	1992	3,738	1995	3,914	1998	4,194
1990	4,646	1993	3,692	1996	3,708		
1991	3,537	1994	3,479	1997	3,954		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports*	Exports		Imports	Coastwise	
				Receipts		Shipments	
Total, all commodities	4,194	1,855	42	1,515	781	781	1
Total coal	352	340	---	---	12	12	---
1100 coal lignite	352	340	---	---	12	12	---
Total petroleum and petroleum products	2,430	1,084	0	580	765	765	1
Subtotal petroleum products	2,430	1,084	0	580	765	765	1
2211 gasoline	272	22	---	184	66	66	---
2221 kerosene	165	11	---	---	153	153	---
2330 distillate fuel oil	897	515	---	290	92	92	---
2340 residual fuel oil	570	222	---	13	335	334	1
2350 lube oil & greases	0	---	0	---	---	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---	---
2429 naphtha & solvents	31	31	---	---	---	---	---
2430 asphalt, tar & pitch	118	---	---	---	118	118	---
2540 petroleum coke	140	48	---	92	---	---	---
2640 liquid natural gas	236	236	---	---	---	---	---
Total chemicals and related products	31	18	4	9	---	---	---
Subtotal other chemicals and related products	31	18	4	9	---	---	---
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	---	---	---	---
3274 sodium hydroxide	18	18	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	---	---	---
3276 metallic salts	9	---	0	9	---	---	---
3282 pigments & paints	0	---	0	---	---	---	---
3284 medicines	0	---	0	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---
3286 plastics	3	---	3	---	---	---	---
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	---	---	---	---

PORTSMOUTH HARBOR, NH
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports*	Exports	Imports	Total	Coastwise	
						Receipts	Shipments
Total crude materials, inedible except fuels	1,341	413	1	926	---	---	---
Subtotal forest products, wood and chips	0	---	0	---	---	---	---
4189 lumber	0	---	0	---	---	---	---
4190 forest products nec	0	---	0	---	---	---	---
Subtotal pulp and waste paper	1	---	1	---	---	---	---
4225 pulp & waste paper	1	---	1	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	784	---	0	784	---	---	---
4323 gypsum	784	---	---	784	---	---	---
4331 sand & gravel	0	---	0	---	---	---	---
Subtotal non-ferrous ores and scrap	0	---	0	---	---	---	---
4690 non-ferrous ores nec	0	---	0	---	---	---	---
Subtotal sulphur, clay and salt	0	---	0	---	---	---	---
4782 clay & refrac. mat.	0	---	0	---	---	---	---
Subtotal other non-metal. min.	556	413	0	142	---	---	---
4900 non-metal. min. nec	556	413	0	142	---	---	---
Total primary manufactured goods	4	---	0	---	4	4	---
Subtotal paper products	0	---	0	---	---	---	---
5190 paper products nec	0	---	0	---	---	---	---
Subtotal lime, cement and glass	4	---	0	---	4	4	---
5220 cement & concrete	4	---	---	---	4	4	---
5240 glass & glass prod.	0	---	0	---	---	---	---
5290 misc. mineral prod.	0	---	0	---	---	---	---
Subtotal primary iron and steel products	0	---	0	---	---	---	---
5390 primary i&s nec	0	---	0	---	---	---	---
Subtotal primary non-ferrous metal products	0	---	0	---	---	---	---
5421 copper	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	33	0	33	---	---	---	---
Subtotal grain	0	---	0	---	---	---	---
6344 corn	0	---	0	---	---	---	---
6442 rice	0	---	0	---	---	---	---
Subtotal vegetable products	0	---	0	---	---	---	---
6654 vegetables & prod.	0	---	0	---	---	---	---
Subtotal processed grain and animal feed	2	---	2	---	---	---	---
6747 grain mill products	0	---	0	---	---	---	---
6782 animal feed, prep.	1	---	1	---	---	---	---
Subtotal other agricultural products	31	0	31	---	---	---	---
6811 meat, fresh, frozen	3	---	3	---	---	---	---
6817 meat, prepared	0	---	0	---	---	---	---
6838 tallow, animal oils	22	---	22	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---
6885 alcoholic beverages	0	---	0	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---
6891 tobacco & products	0	---	0	---	---	---	---
6893 cotton	6	---	6	---	---	---	---
6894 natural fibers nec	0	0	---	---	---	---	---
Total all manufactured equipment, machinery and products	3	0	3	---	---	---	---
7110 machinery (not elec)	0	---	0	---	---	---	---
7120 electrical machinery	1	---	1	---	---	---	---
7210 vehicles & parts	1	---	1	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---
7400 manufac. wood prod.	0	---	0	---	---	---	---
7500 textile products	1	---	1	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---
7900 manufac. prod. nec	0	0	0	---	---	---	---
Ton-miles (x1000)	12,956	4,958	129	3,983	3,887	3,883	3

Tons All Traffic (x1000) 4,194
Ton-miles All Traffic (x1000) 12,956

*Includes 31 (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
1989	1,340	1992	1,439	1995	1,197	1998	1,692
1990	1,466	1993	1,558	1996	1,432		
1991	1,552	1994	1,227	1997	1,599		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Coastwise	
						Receipts	Shipments	
Total, all commodities	1,692	899		44		749	745	4
Total coal	886	764		—		122	122	—
1100 coal lignite	886	764		—		122	122	—
Total petroleum and petroleum products	806	134		44		628	623	4
Subtotal petroleum products	806	134		44		628	623	4
2330 distillate fuel oil	151	—		23		128	124	4
2340 residual fuel oil	655	134		21		500	500	—

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
1989	18,989	1992	19,208	1995	16,744	1998	21,222
1990	21,902	1993	19,448	1996	20,104		
1991	18,562	1994	18,870	1997	20,893		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports*	Exports*	Imports*	Exports*	Total	Coastwise		
						Receipts	Shipments		
Total, all commodities	21,222	7,335	650	3,392	59	9,786	6,775	1,338	1,673
Total coal	0	—	0	—	—	—	—	—	—
1100 coal lignite	0	—	0	—	—	—	—	—	—
Total petroleum and petroleum products	16,505	6,234	1	3,186	2	7,082	5,604	617	862
Subtotal petroleum products	16,505	6,234	1	3,186	2	7,082	5,604	617	862
2211 gasoline	6,217	1,107	—	1,743	—	3,366	3,047	46	273
2221 kerosene	475	293	0	48	—	134	111	8	16
2330 distillate fuel oil	5,592	2,305	—	1,325	—	1,962	1,289	251	423
2340 residual fuel oil	2,819	1,313	0	59	—	1,447	999	304	144
2350 lube oil & greases	26	0	0	—	2	24	23	—	1
2410 petro. jelly & waxes	0	0	—	—	—	—	—	—	—
2429 naphtha & solvents	37	20	—	2	—	15	—	9	6
2430 asphalt, tar & pitch	134	—	—	—	—	134	134	—	—
2540 petroleum coke	9	0	—	9	—	—	—	—	—
2640 liquid natural gas	1,196	1,196	—	—	—	—	—	—	—

PORT OF BOSTON, MA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports*	Exports*	Imports*	Exports*	Total	Coastwise		
							Receipts	Shipments	
Total chemicals and related products	235	48	71	0	---	116	89	20	7
Subtotal fertilizers	0	0	0	---	---	---	---	---	---
3110 nitrogenous fert.	0	---	0	---	---	---	---	---	---
3190 fert. & mixes nec	0	0	0	---	---	---	---	---	---
Subtotal other chemicals and related products	235	48	71	0	---	116	89	20	7
3211 acyclic hydrocarbons	0	---	0	---	---	---	---	---	---
3219 other hydrocarbons	2	0	2	---	---	---	---	---	---
3220 alcohols	0	0	0	---	---	---	---	---	---
3230 carboxylic acids	1	0	0	---	---	---	---	---	---
3240 nitrogen func. comp.	2	1	0	---	---	---	---	---	---
3250 organo - inorg. comp.	1	1	0	---	---	---	---	---	---
3260 organic comp. nec	8	7	0	---	---	1	---	1	---
3271 sulphur (liquid)	0	0	---	---	---	---	---	---	---
3274 sodium hydroxide	51	5	46	---	---	0	0	---	---
3275 inorg. elem., oxides, & halogen salts	9	6	2	---	---	0	---	0	---
3276 metallic salts	31	3	0	---	---	28	28	---	---
3279 inorganic chem. nec	0	0	0	---	---	---	---	---	---
3281 radioactive material	0	0	0	---	---	---	---	---	---
3282 pigments & paints	8	2	5	---	---	---	---	---	---
3283 coloring mat. nec	6	4	1	---	---	---	---	---	---
3284 medicines	0	0	0	---	---	0	0	0	---
3285 perfumes & cleansers	4	2	2	---	---	1	---	1	---
3286 plastics	20	12	8	0	---	1	---	1	---
3291 pesticides	2	0	0	---	---	2	---	2	---
3292 starches, gluten, glue	3	1	1	---	---	1	---	1	---
3293 explosives	0	0	0	---	---	---	---	---	---
3297 chemical additives	69	0	1	---	---	67	60	---	7
3299 chem. products nec	17	2	1	---	---	15	0	15	---
Total crude materials, inedible except fuels	1,408	415	498	177	56	262	---	262	---
Subtotal forest products, wood and chips	30	5	23	---	0	2	---	2	---
4110 rubber & gums	0	---	0	---	---	0	---	0	---
4170 wood in the rough	7	1	6	---	0	---	---	---	---
4189 lumber	21	2	17	---	---	2	---	2	---
4190 forest products nec	3	2	0	---	---	0	---	0	---
Subtotal pulp and waste paper	53	8	43	---	0	1	---	1	---
4225 pulp & waste paper	53	8	43	---	0	1	---	1	---
Subtotal soil, sand, gravel, rock and stone	389	32	34	160	---	163	---	163	---
4310 building stone	0	0	0	---	---	---	---	---	---
4323 gypsum	192	32	0	160	---	---	---	---	---
4331 sand & gravel	197	0	34	---	---	163	---	163	---
Subtotal iron ore and scrap	545	---	393	---	56	96	---	96	---
4410 iron ore	1	---	1	---	---	---	---	---	---
4420 iron & steel scrap	544	---	392	---	56	96	---	96	---

PORT OF BOSTON, MA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Intraport
		Imports*	Exports*	Imports*	Exports*	Total	Coastwise		
							Receipts	Shipments	
Subtotal non-ferrous ores and scrap	2	1	1	—	0	0	—	0	—
4650 aluminum ore	1	1	0	—	—	—	—	—	—
4680 non-ferrous scrap	2	1	1	—	0	—	—	—	—
4690 non-ferrous ores nec	0	—	—	—	—	0	—	0	—
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.	387	368	1	17	—	0	—	0	—
4900 non-metal. min. nec	387	368	1	17	—	0	—	0	—
Total primary manufactured goods	1,006	124	29	27	0	825	799	19	7
Subtotal paper products	51	36	11	—	0	4	—	4	—
5110 newsprint	3	—	—	—	—	3	—	3	—
5120 paper & paperboard	44	35	9	—	0	0	—	0	—
5190 paper products nec	4	1	1	—	0	1	—	1	—
Subtotal lime, cement and glass	893	44	3	27	0	819	799	13	7
5220 cement & concrete	833	0	—	27	—	805	799	—	7
5240 glass & glass prod.	17	5	2	—	0	10	—	10	—
5290 misc. mineral prod.	43	39	1	0	—	3	—	3	—
Subtotal primary iron and steel products	32	21	10	0	—	1	0	1	—
5312 pig iron	8	0	8	—	—	—	—	—	—
5315 ferro alloys	0	0	—	—	—	0	—	0	—
5320 i&s primary forms	0	—	0	—	—	0	—	0	—
5330 i&s plates & sheets	10	9	1	—	—	0	—	0	—
5360 i&s bars & shapes	11	10	0	—	—	1	0	0	—
5370 i&s pipe & tube	1	0	0	0	—	—	—	—	—
5390 primary i&s nec	2	1	1	—	—	0	0	—	—
Subtotal primary non-ferrous metal products	28	20	6	—	—	2	—	2	—
5421 copper	6	5	1	—	—	1	—	1	—
5422 aluminum	3	2	1	—	—	0	—	0	—
5429 smelted prod. nec	1	1	0	—	—	0	—	0	—
5480 fab. metal products	17	12	4	—	—	1	—	1	—
Subtotal primary wood products	2	2	0	—	—	—	—	—	—
5540 primary wood prod.	2	2	0	—	—	—	—	—	—
Total food and farm products	510	323	22	1	1	163	0	163	—
Subtotal fish	65	58	5	1	1	0	—	0	—
6134 fish (not shellfish)	61	56	4	1	0	0	—	0	—
6136 shellfish	3	2	1	0	0	0	—	0	—
Subtotal grain	1	1	0	—	—	—	—	—	—
6344 corn	0	0	0	—	—	—	—	—	—
6442 rice	1	1	—	—	—	—	—	—	—
Subtotal oilseeds	1	0	0	—	—	0	—	0	—
6521 peanuts	0	—	—	—	—	0	—	0	—
6522 soybeans	0	0	—	—	—	—	—	—	—

PORT OF BOSTON, MA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports*	Imports*	Exports*	Total	Coastwise		Internal Intraport
							Receipts	Shipments	
6590 oilseeds nec	0	0	0	—	—	0	—	0	—
Subtotal vegetable products	77	67	3	—	—	8	—	8	—
6653 vegetable oils	64	63	0	—	—	1	—	1	—
6654 vegetables & prod.	14	4	3	—	—	7	—	7	—
Subtotal processed grain and animal feed	12	8	1	0	—	3	—	3	—
6746 wheat flour	0	0	—	—	—	—	—	—	—
6747 grain mill products	11	8	0	0	—	3	—	3	—
6782 animal feed, prep.	1	0	1	—	—	—	—	—	—
Subtotal other agricultural products	354	189	13	0	0	152	0	152	—
6811 meat, fresh, frozen	3	0	1	—	0	2	—	2	—
6817 meat, prepared	0	0	0	—	—	—	—	—	—
6822 dairy products	5	1	0	—	—	4	—	4	—
6835 fish, prepared	4	3	0	—	—	—	—	—	—
6838 tallow, animal oils	0	0	—	—	—	—	—	—	—
6839 animals & prod. nec	9	1	8	—	0	0	—	0	—
6857 fruit & nuts nec	8	0	0	—	0	8	—	8	—
6858 fruit juices	5	4	1	0	—	0	—	0	—
6871 coffee	2	2	0	—	—	0	—	0	—
6872 cocoa beans	15	1	—	—	—	13	—	13	—
6885 alcoholic beverages	271	155	1	—	0	115	0	115	—
6888 water & ice	15	8	—	—	—	7	—	7	—
6889 food products nec	16	11	2	—	0	3	0	3	—
6891 tobacco & products	0	0	0	—	—	0	—	0	—
6893 cotton	1	0	1	—	—	—	—	—	—
6894 natural fibers nec	0	0	—	—	—	—	—	—	—
6899 farm products nec	1	1	0	—	—	0	—	0	—
Total all manufactured equipment, machinery and products	757	190	28	0	0	539	284	255	—
7110 machinery (not elec)	32	24	5	0	—	4	—	4	—
7120 electrical machinery	14	6	6	—	—	2	0	2	—
7210 vehicles & parts	110	105	4	0	—	1	0	1	—
7220 aircraft & parts	0	0	0	—	—	0	—	0	—
7230 ships & boats	1	0	1	—	—	—	—	—	—
7300 ordnance & access.	0	0	0	—	—	0	—	0	—
7400 manufac. wood prod.	3	2	1	—	—	0	—	0	—
7500 textile products	20	14	5	0	0	1	0	1	—
7600 rubber & plastic pr.	15	11	3	—	—	1	0	1	—
7900 manufac. prod. nec	560	26	4	0	0	529	283	246	—
Total waste and scrap nec	798	—	—	—	—	798	—	—	798
8900 waste and scrap nec	798	—	—	—	—	798	—	—	798

PORT OF BOSTON, MA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports*	Imports*	Exports*	Total	Coastwise		Internal Intraport
							Receipts	Shipments	
Total unknown or not elsewhere classified	3	2	1	—	—	—	—	—	
9900 unknown or nec	3	2	1	—	—	—	—	—	

*Includes 13 (x1000) tons of foreign inbound in-transits; Includes 2 (x1000) tons of foreign outbound in-transits;
Includes 1 (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
1989	17,494	1992	17,462	1995	14,448	1998	18,731
1990	20,007	1993	18,009	1996	17,777		
1991	16,656	1994	17,040	1997	18,394		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	5,647	4,028	294	1,296	28
Total petroleum and petroleum products	4,495	3,322	1	1,173	—
Subtotal petroleum products	4,495	3,322	1	1,173	—
2211 gasoline	1,196	518	—	678	—
2221 kerosene	271	233	0	38	—
2330 distillate fuel oil	1,453	1,040	—	413	—
2340 residual fuel oil	1,220	1,178	0	42	—
2350 lube oil & greases	1	0	0	—	—
2410 petro. jelly & waxes	0	0	—	—	—
2429 naphtha & solvents	2	—	—	2	—
2540 petroleum coke	0	0	—	—	—
2640 liquid natural gas	352	352	—	—	—
Total chemicals and related products	116	48	68	—	—
Subtotal fertilizers	0	0	0	—	—
3190 fert. & mixes nec	0	0	0	—	—
Subtotal other chemicals and related products	116	48	68	—	—
3211 acyclic hydrocarbons	0	—	0	—	—
3219 other hydrocarbons	2	0	2	—	—
3220 alcohols	0	0	0	—	—
3230 carboxylic acids	1	0	0	—	—
3240 nitrogen func. comp.	2	1	0	—	—
3250 organo - inorg. comp.	1	1	0	—	—
3260 organic comp. nec	7	7	0	—	—
3271 sulphur (liquid)	0	0	—	—	—
3274 sodium hydroxide	50	5	46	—	—
3275 inorg. elem., oxides, & halogen salts	9	6	2	—	—
3276 metallic salts	3	3	0	—	—
3279 inorganic chem. nec	0	0	0	—	—
3281 radioactive material	0	0	0	—	—
3282 pigments & paints	8	2	5	—	—
3283 coloring mat. nec	6	4	1	—	—
3284 medicines	0	0	0	—	—
3285 perfumes & cleansers	4	2	2	—	—
3286 plastics	18	12	6	—	—
3291 pesticides	0	0	0	—	—
3292 starches, gluten, glue	2	1	1	—	—
3293 explosives	0	0	0	—	—
3297 chemical additives	2	0	1	—	—
3299 chem. products nec	3	2	1	—	—
Total crude materials, inedible except fuels	427	142	163	95	28
Subtotal forest products, wood and chips	21	4	17	—	—
4110 rubber & gums	0	—	0	—	—
4170 wood in the rough	1	0	1	—	—

MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
4189 lumber	18	2	16	—	—
4190 forest products nec	2	2	0	—	—
Subtotal pulp and waste paper	52	8	43	—	0
4225 pulp & waste paper	52	8	43	—	0
Subtotal soil, sand, gravel, rock and stone	129	17	34	78	—
4310 building stone	0	0	0	—	—
4323 gypsum	95	17	0	78	—
4331 sand & gravel	34	0	34	—	—
Subtotal iron ore and scrap	93	—	65	—	28
4410 iron ore	1	—	1	—	—
4420 iron & steel scrap	92	—	64	—	28
Subtotal non-ferrous ores and scrap	2	1	1	—	0
4650 aluminum ore	1	1	0	—	—
4680 non-ferrous scrap	2	1	1	—	0
Subtotal sulphur, clay and salt	2	0	1	—	—
4782 clay & refrac. mat.	2	0	1	—	—
Subtotal slag	0	—	0	—	—
4860 slag	0	—	0	—	—
Subtotal other non-metal. min.	129	110	1	17	—
4900 non-metal. min. nec	129	110	1	17	—
Total primary manufactured goods	170	123	19	27	0
Subtotal paper products	46	36	9	—	0
5120 paper & paperboard	43	35	8	—	0
5190 paper products nec	2	1	1	—	—
Subtotal lime, cement and glass	74	44	3	27	0
5220 cement & concrete	28	0	—	27	—
5240 glass & glass prod.	7	5	2	—	0
5290 misc. mineral prod.	40	39	1	0	—
Subtotal primary iron and steel products	22	21	1	0	—
5312 pig iron	0	0	0	—	—
5315 ferro alloys	0	0	—	—	—
5320 i&s primary forms	0	—	0	—	—
5330 i&s plates & sheets	10	9	1	—	—
5360 i&s bars & shapes	10	10	0	—	—
5370 i&s pipe & tube	0	0	0	0	—
5390 primary i&s nec	2	1	1	—	—
Subtotal primary non-ferrous metal products	25	20	5	—	—
5421 copper	6	5	1	—	—
5422 aluminum	2	2	0	—	—
5429 smelted prod. nec	1	1	0	—	—
5480 fab. metal products	16	12	4	—	—
Subtotal primary wood products	2	2	0	—	—
5540 primary wood prod.	2	2	0	—	—
Total food and farm products	265	248	17	1	0
Subtotal fish	27	22	4	1	0
6134 fish (not shellfish)	24	21	3	1	0
6136 shellfish	2	1	1	0	—
Subtotal grain	1	1	0	—	—
6344 corn	0	0	0	—	—
6442 rice	1	1	—	—	—
Subtotal oilseeds	0	0	0	—	—
6522 soybeans	0	0	—	—	—
6590 oilseeds nec	0	0	0	—	—
Subtotal vegetable products	32	31	1	—	—
6653 vegetable oils	26	26	0	—	—
6654 vegetables & prod.	6	4	1	—	—
Subtotal processed grain and animal feed	9	8	1	0	—
6746 wheat flour	0	0	—	—	—
6747 grain mill products	8	8	0	0	—
6782 animal feed, prep.	1	0	1	—	—
Subtotal other agricultural products	196	185	10	0	0
6811 meat, fresh, frozen	1	0	1	—	0
6817 meat, prepared	0	0	0	—	—
6822 dairy products	1	1	0	—	—
6835 fish, prepared	1	1	0	—	—
6838 tallow, animal oils	0	0	—	—	—
6839 animals & prod. nec	8	1	7	—	—
6857 fruit & nuts nec	0	0	0	—	—
6858 fruit juices	5	4	1	0	—
6871 coffee	2	2	0	—	—
6872 cocoa beans	1	1	—	—	—
6885 alcoholic beverages	155	155	0	—	0
6888 water & ice	8	8	—	—	—
6889 food products nec	12	11	1	—	0
6891 tobacco & products	0	0	0	—	—
6893 cotton	0	0	0	—	—
6894 natural fibers nec	0	0	—	—	—
6899 farm products nec	1	1	0	—	—

MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total all manufactured equipment, machinery and products	170	144	26	0	0
7110 machinery (not elec)	28	23	5	0	—
7120 electrical machinery	12	6	6	—	—
7210 vehicles & parts	63	60	3	—	—
7220 aircraft & parts	0	0	—	—	—
7230 ships & boats	1	0	1	—	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	3	2	1	—	—
7500 textile products	19	14	5	0	0
7600 rubber & plastic pr.	13	11	2	—	—
7900 manufac. prod. nec	30	26	4	0	0
Total unknown or not elsewhere classified	3	2	1	—	—
9900 unknown or nec	3	2	1	—	—
Ton-miles (x1000)	5,647	4,028	294	1,296	28
Foreign & Canadian					

Commodity	Total*	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound		Outbound		Intra
				Upbound	Downbnd	Upbound	Downbnd	
Total, all commodities	1,808	1,294	439	21	16	19	18	1
Total petroleum and petroleum products	1,325	1,234	15	21	16	19	18	1
Subtotal petroleum products	1,325	1,234	15	21	16	19	18	1
2211 gasoline	1,042	1,009	—	21	—	12	—	—
2330 distillate fuel oil	123	86	15	0	—	2	18	1
2340 residual fuel oil	159	139	—	0	16	4	—	—
2350 lube oil & greases	1	—	—	—	—	0	0	—
Total chemicals and related products	23	2	20	—	—	—	—	—
Subtotal other chemicals and related products	23	2	20	—	—	—	—	—
3260 organic comp. nec	1	—	1	—	—	—	—	—
3274 sodium hydroxide	0	0	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—	—	—	—
3276 metallic salts	2	2	—	—	—	—	—	—
3284 medicines	0	0	0	—	—	—	—	—
3285 perfumes & cleansers	1	—	1	—	—	—	—	—
3286 plastics	1	—	1	—	—	—	—	—
3291 pesticides	2	—	2	—	—	—	—	—
3292 starches, gluten, glue	1	—	1	—	—	—	—	—
3299 chem. products nec	15	0	15	—	—	—	—	—
Total crude materials, inedible except fuels	166	—	166	—	—	—	—	—
Subtotal forest products, wood and chips	2	—	2	—	—	—	—	—
4110 rubber & gums	0	—	0	—	—	—	—	—
4189 lumber	2	—	2	—	—	—	—	—
4190 forest products nec	0	—	0	—	—	—	—	—
Subtotal pulp and waste paper	1	—	1	—	—	—	—	—
4225 pulp & waste paper	1	—	1	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	163	—	163	—	—	—	—	—
4331 sand & gravel	163	—	163	—	—	—	—	—
Subtotal non-ferrous ores and scrap	0	—	0	—	—	—	—	—
4690 non-ferrous ores nec	0	—	0	—	—	—	—	—
Subtotal other non-metal. min.	0	—	0	—	—	—	—	—
4900 non-metal. min. nec	0	—	0	—	—	—	—	—
Total primary manufactured goods	73	54	19	—	—	—	—	—
Subtotal paper products	4	—	4	—	—	—	—	—
5110 newsprint	3	—	3	—	—	—	—	—
5120 paper & paperboard	0	—	0	—	—	—	—	—
5190 paper products nec	1	—	1	—	—	—	—	—
Subtotal lime, cement and glass	67	54	13	—	—	—	—	—
5220 cement & concrete	54	54	—	—	—	—	—	—
5240 glass & glass prod.	10	—	10	—	—	—	—	—

MAIN WATERFRONT (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound		Outbound		Intra
			Upbound	Downbnd	Upbound	Downbnd	Downbnd	
5290 misc. mineral prod.	3	---	3	---	---	---	---	---
Subtotal primary iron and steel products	1	0	1	---	---	---	---	---
5315 ferro alloys	0	---	0	---	---	---	---	---
5320 i&s primary forms	0	---	0	---	---	---	---	---
5330 i&s plates & sheets	0	---	0	---	---	---	---	---
5360 i&s bars & shapes	1	0	0	---	---	---	---	---
5390 primary i&s nec	0	0	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	2	---	2	---	---	---	---	---
5421 copper	1	---	1	---	---	---	---	---
5422 aluminum	0	---	0	---	---	---	---	---
5429 smelted prod. nec	0	---	0	---	---	---	---	---
5480 fab. metal products	1	---	1	---	---	---	---	---
Total food and farm products	163	0	163	---	---	---	---	---
Subtotal fish	0	---	0	---	---	---	---	---
6134 fish (not shellfish)	0	---	0	---	---	---	---	---
6136 shellfish	0	---	0	---	---	---	---	---
Subtotal oilseeds	0	---	0	---	---	---	---	---
6521 peanuts	0	---	0	---	---	---	---	---
6590 oilseeds nec	0	---	0	---	---	---	---	---
Subtotal vegetable products	8	---	8	---	---	---	---	---
6653 vegetable oils	1	---	1	---	---	---	---	---
6654 vegetables & prod.	7	---	7	---	---	---	---	---
Subtotal processed grain and animal feed	3	---	3	---	---	---	---	---
6747 grain mill products	3	---	3	---	---	---	---	---
Subtotal other agricultural products	152	0	152	---	---	---	---	---
6811 meat, fresh, frozen	2	---	2	---	---	---	---	---
6822 dairy products	4	---	4	---	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---	---
6857 fruit & nuts nec	8	---	8	---	---	---	---	---
6858 fruit juices	0	---	0	---	---	---	---	---
6871 coffee	0	---	0	---	---	---	---	---
6872 cocoa beans	13	---	13	---	---	---	---	---
6885 alcoholic beverages	115	0	115	---	---	---	---	---
6888 water & ice	7	---	7	---	---	---	---	---
6889 food products nec	3	0	3	---	---	---	---	---
6891 tobacco & products	0	---	0	---	---	---	---	---
6899 farm products nec	0	---	0	---	---	---	---	---
Total all manufactured equipment, machinery and products	57	3	54	---	---	---	---	---
7110 machinery (not elec)	4	---	4	---	---	---	---	---
7120 electrical machinery	2	0	2	---	---	---	---	---
7210 vehicles & parts	1	0	1	---	---	---	---	---
7220 aircraft & parts	0	---	0	---	---	---	---	---
7300 ordnance & access.	0	---	0	---	---	---	---	---
7400 manufac. wood prod.	0	---	0	---	---	---	---	---
7500 textile products	1	0	1	---	---	---	---	---
7600 rubber & plastic pr.	1	0	1	---	---	---	---	---
7900 manufac. prod. nec	47	2	44	---	---	---	---	---
Ton-miles (x1000) Domestic	2,128	1,355	608	23	49	72	19	2
Tons All Traffic (x1000)			18,731					
Ton-miles All Traffic (x1000)			67,944					

*Does not include 11,277 (x1000) tons of through traffic

*Includes 2 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits;
Includes 1 (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
1989	7,889	1992	8,821	1995	6,995	1998	7,559
1990	7,913	1993	8,276	1996	6,583		
1991	9,199	1994	8,013	1997	6,090		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports	Imports
Total, all commodities	3,948	2,232	2	1,714
Total petroleum and petroleum products	3,688	1,974	---	1,714
Subtotal petroleum products	3,688	1,974	---	1,714
2211 gasoline	1,394	492	---	902
2221 kerosene	65	60	---	4
2330 distillate fuel oil	1,963	1,164	---	798
2340 residual fuel oil	85	85	---	---
2429 naphtha & solvents	20	20	---	---
2540 petroleum coke	9	---	---	9
2640 liquid natural gas	153	153	---	---
Total chemicals and related products	0	---	0	---
Subtotal other chemicals and related products	0	---	0	---
3260 organic comp. nec	0	---	0	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---
3282 pigments & paints	0	---	0	---
3286 plastics	0	---	0	---
Total crude materials, inedible except fuels	259	258	1	---
Subtotal forest products, wood and chips	1	---	1	---
4170 wood in the rough	0	---	0	---
4189 lumber	1	---	1	---
Subtotal pulp and waste paper	0	---	0	---
4225 pulp & waste paper	0	---	0	---
Subtotal iron ore and scrap	0	---	0	---
4420 iron & steel scrap	0	---	0	---
Subtotal other non-metal. min.	258	258	0	---
4900 non-metal. min. nec	258	258	0	---
Total primary manufactured goods	0	0	0	---
Subtotal lime, cement and glass	0	---	0	---
5240 glass & glass prod.	0	---	0	---
5290 misc. mineral prod.	0	---	0	---
Subtotal primary iron and steel products	0	---	0	---
5390 primary i&s nec	0	---	0	---
Subtotal primary non-ferrous metal products	0	0	0	---
5422 aluminum	0	---	0	---
5480 fab. metal products	0	0	0	---
Total food and farm products	1	---	1	---
Subtotal fish	0	---	0	---
6134 fish (not shellfish)	0	---	0	---
Subtotal vegetable products	0	---	0	---
6654 vegetables & prod.	0	---	0	---
Subtotal other agricultural products	1	---	1	---
6839 animals & prod. nec	1	---	1	---
Total all manufactured equipment, machinery and products	0	0	0	---
7110 machinery (not elec)	0	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	11,845	6,697	7	5,141

CHelsea RIVER, MA (INCLUDED IN PORT OF BOSTON)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound	Intra Downbnd
Total, all commodities	3,611	2,869	240	328	82	49	43
Total petroleum and petroleum products	3,544	2,809	240	321	82	49	43
Subtotal petroleum products	3,544	2,809	240	321	82	49	43
2211 gasoline	1,829	1,617	8	178	3	—	23
2221 kerosene	52	40	3	4	—	6	—
2330 distillate fuel oil	1,008	677	181	56	34	41	19
2340 residual fuel oil	514	341	48	77	45	2	1
2350 lube oil & greases	0	—	—	0	—	—	—
2429 naphtha & solvents	6	—	—	6	—	—	—
2430 asphalt, tar & pitch	134	134	—	—	—	—	—
Total chemicals and related products	67	60	—	7	—	—	—
Subtotal other chemicals and related products	67	60	—	7	—	—	—
3297 chemical additives	67	60	—	7	—	—	—
Ton-miles (x1000)	8,275	6,542	625	802	213	49	44
Domestic							
Tons All Traffic (x1000)	7,559						
Ton-miles All Traffic (x1000)	20,120						

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

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
1989	3,649	1992	5,069	1995	3,517	1998	3,856
1990	4,783	1993	5,581	1996	3,954		
1991	3,850	1994	4,538	1997	4,396		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	1,313	837	346	100	31
Total petroleum and petroleum products	778	759	0	17	2
Subtotal petroleum products	778	759	0	17	2
2211 gasoline	19	19	—	—	—
2340 residual fuel oil	67	49	—	17	—
2350 lube oil & greases	2	—	0	—	2
2640 liquid natural gas	691	691	—	—	—
Total chemicals and related products	0	—	0	0	—
Subtotal other chemicals and related products	0	—	0	0	—
3285 perfumes & cleansers	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	459	15	334	82	28
Subtotal forest products, wood and chips	6	1	5	—	—
4170 wood in the rough	6	1	5	—	—
4189 lumber	0	—	0	—	—
4190 forest products nec	0	—	0	—	—
Subtotal soil, sand, gravel, rock and stone	97	15	—	82	—
4323 gypsum	97	15	—	82	—
Subtotal iron ore and scrap	356	—	328	—	28
4420 iron & steel scrap	356	—	328	—	28
Subtotal other non-metal. min.	0	—	0	—	—
4900 non-metal. min. nec	0	—	0	—	—
Total primary manufactured goods	9	0	9	—	0
Subtotal paper products	1	—	1	—	0
5120 paper & paperboard	0	—	0	—	0
5190 paper products nec	0	—	0	—	0

MYSTIC RIVER, MA (INCLUDED IN PORT OF BOSTON)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Subtotal lime, cement and glass	0	0	0	---	---
5240 glass & glass prod.	0	---	0	---	---
5290 misc. mineral prod.	0	0	---	---	---
Subtotal primary iron and steel products	8	---	8	---	---
5312 pig iron	8	---	8	---	---
5370 i&s pipe & tube	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	20	17	3	0	1
Subtotal fish	18	16	1	0	1
6134 fish (not shellfish)	17	16	1	0	0
6136 shellfish	0	0	0	0	0
Subtotal grain	0	---	0	---	---
6344 corn	0	---	0	---	---
Subtotal vegetable products	1	---	1	---	---
6653 vegetable oils	0	---	0	---	---
6654 vegetables & prod.	1	---	1	---	---
Subtotal processed grain and animal feed	0	---	0	---	---
6747 grain mill products	0	---	0	---	---
6782 animal feed, prep.	0	---	0	---	---
Subtotal other agricultural products	2	1	1	---	0
6811 meat, fresh, frozen	0	---	0	---	---
6822 dairy products	0	---	0	---	---
6835 fish, prepared	0	0	0	---	---
6839 animals & prod. nec	0	0	---	---	0
6857 fruit & nuts nec	0	---	---	---	0
6885 alcoholic beverages	0	---	0	---	---
6888 water & ice	0	0	---	---	---
6889 food products nec	0	---	0	---	---
6899 farm products nec	0	0	0	---	---
Total all manufactured equipment, machinery and products	46	45	0	0	---
7110 machinery (not elec)	0	---	0	---	---
7120 electrical machinery	0	---	0	---	---
7210 vehicles & parts	46	45	0	0	---
7400 manufac. wood prod.	0	---	0	---	---
7500 textile products	0	0	0	---	---
7600 rubber & plastic pr.	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)	1,313	837	346	100	31
Foreign & Canadian					

Commodity	Total*	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total, all commodities	2,293	1,893	338	56	7
Total petroleum and petroleum products	980	884	40	56	---
Subtotal petroleum products	980	884	40	56	---
2211 gasoline	266	249	---	17	---
2221 kerosene	5	5	---	---	---
2330 distillate fuel oil	244	197	26	21	---
2340 residual fuel oil	465	433	15	18	---
2350 lube oil & greases	0	---	---	0	---
Total crude materials, inedible except fuels	96	---	96	---	---
Subtotal iron ore and scrap	96	---	96	---	---
4420 iron & steel scrap	96	---	96	---	---
Total primary manufactured goods	734	728	---	---	7
Subtotal lime, cement and glass	734	728	---	---	7
5220 cement & concrete	734	728	---	---	7

MYSTIC RIVER, MA (INCLUDED IN PORT OF BOSTON)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total*	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total all manufactured equipment, machinery and products	482	281	202	---	---
7900 manufac. prod. nec	482	281	202	---	---
Ton-miles (x1000) Domestic	2,293	1,893	338	56	7
Tons All Traffic (x1000)	3,856				
Ton-miles All Traffic (x1000)	3,856				

*Does not include 250 (x1000) tons of through traffic

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

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

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	1,457	1992	1,153	1995	1,834	1998	1,884
1990	1,496	1993	1,154	1996	1,948		
1991	1,391	1994	1,606	1997	1,990		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian	Domestic				
		Imports*	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total, all commodities	1,464	137	6	122	1,199	371	7	729	92
Total coal	0	---	0	---	---	---	---	---	---
1100 coal lignite	0	---	0	---	---	---	---	---	---
Total petroleum and petroleum products	760	115	---	122	523	371	7	89	56
Subtotal petroleum products	760	115	---	122	523	371	7	89	56
2211 gasoline	244	49	---	73	123	109	---	12	1
2221 kerosene	3	---	---	---	3	---	---	3	---
2330 distillate fuel oil	470	66	---	49	354	229	7	64	54
2340 residual fuel oil	20	---	---	---	20	10	---	10	---
2350 lube oil & greases	23	---	---	---	23	23	---	---	---
Total chemicals and related products	2	---	2	---	---	---	---	---	---
Subtotal other chemicals and related products	2	---	2	---	---	---	---	---	---
3211 acyclic 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	---	---	---	---	---	---
3274 sodium hydroxide	0	---	0	---	---	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---	---	---
3286 plastics	1	---	1	---	---	---	---	---	---

WEYMOUTH FORE RIVER, MA (INCLUDED IN PORT OF BOSTON)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian	Domestic				
		Imports*	Exports	Imports	Total	Coastwise		Internal	
					Receipts	Shipments	Inbound Upbound	Outbound Downbnd	
3297 chemical additives	0	—	0	—	—	—	—	—	—
Total crude materials, inedible except fuels	1	—	1	—	—	—	—	—	—
Subtotal forest products, wood and chips	0	—	0	—	—	—	—	—	—
4189 lumber	0	—	0	—	—	—	—	—	—
Subtotal non-ferrous ores and scrap	0	—	0	—	—	—	—	—	—
4650 aluminum ore	0	—	0	—	—	—	—	—	—
Subtotal sulphur, clay and salt	1	—	1	—	—	—	—	—	—
4782 clay & refrac. mat.	1	—	1	—	—	—	—	—	—
Total primary manufactured goods	1	—	1	—	—	—	—	—	—
Subtotal paper products	0	—	0	—	—	—	—	—	—
5120 paper & paperboard	0	—	0	—	—	—	—	—	—
Subtotal lime, cement and glass	0	—	0	—	—	—	—	—	—
5240 glass & glass prod.	0	—	0	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	0	—	0	—	—	—	—	—	—
5421 copper	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	23	22	1	—	—	—	—	—	—
Subtotal vegetable products	22	22	0	—	—	—	—	—	—
6653 vegetable oils	22	22	—	—	—	—	—	—	—
6654 vegetables & prod.	0	—	0	—	—	—	—	—	—
Subtotal other agricultural products	1	—	1	—	—	—	—	—	—
6811 meat, fresh, frozen	1	—	1	—	—	—	—	—	—
6857 fruit & nuts nec	0	—	0	—	—	—	—	—	—
6885 alcoholic beverages	1	—	1	—	—	—	—	—	—
6893 cotton	0	—	0	—	—	—	—	—	—
6899 farm products nec	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	—	—	—	—	—	—
7220 aircraft & parts	0	—	0	—	—	—	—	—	—
7500 textile products	0	—	0	—	—	—	—	—	—
7600 rubber & plastic pr.	0	—	0	—	—	—	—	—	—

WEYMOUTH FORE RIVER, MA (INCLUDED IN PORT OF BOSTON)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian	Domestic			Internal	
		Imports*	Exports	Imports	Total	Coastwise		Inbound Upbound	Outbound Downbnd
					Receipts	Shipments			
7900 manufac. prod. nec	0	—	0	—	—	—	—	—	—
Total waste and scrap nec	676	—	—	—	676	—	—	640	36
8900 waste and scrap nec	676	—	—	—	676	—	—	640	36
Total unknown or not elsewhere classified	0	—	0	—	—	—	—	—	—
9900 unknown or nec	0	—	0	—	—	—	—	—	—
Ton-miles (x1000)	11,250	1,096	49	976	11,968	2,967	59	5,802	300
Tons All Traffic (x1000)				1,884					
Ton-miles All Traffic (x1000)				14,189					

*Does not include 420 (x1000) tons of through traffic

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

TOWN RIVER, MA (INCLUDED IN PORT OF BOSTON)

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	64	1992	34	1995	199	1998	518
1990	55	1993	79	1996	269		
1991	81	1994	133	1997	321		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign	Domestic					
		Imports	Total	Coastwise		Internal		
			Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound	
Total, all commodities	518	14	504	267	5	187	4	40
Total petroleum and petroleum products	504	—	504	267	5	187	4	40
Subtotal petroleum products	504	—	504	267	5	187	4	40
2211 gasoline	76	—	76	54	—	22	—	—
2221 kerosene	73	—	73	64	5	4	—	—
2330 distillate fuel oil	296	—	296	91	—	161	4	40
2340 residual fuel oil	59	—	59	59	—	—	0	—
Total food and farm products	14	14	—	—	—	—	—	—
Subtotal vegetable products	14	14	—	—	—	—	—	—
6653 vegetable oils	14	14	—	—	—	—	—	—
Ton-miles (x1000)	518	14	504	267	5	187	4	40
Tons All Traffic (x1000)			518					
Ton-miles All Traffic (x1000)			518					

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
1989	13,286	1992	11,326	1995	10,051	1998	11,654
1990	12,234	1993	12,035	1996	9,666		
1991	12,126	1994	10,799	1997	11,033		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Through		Total	Coastwise		Internal	
		Upbound	Downbnd		Through		Through	
				Upbound	Downbnd	Upbound	Downbnd	
Total, all commodities	11,654	413	1,199	10,043	8,966	1,034	21	21
Total coal	198	---	---	198	198	---	---	---
1100 coal lignite	198	---	---	198	198	---	---	---
Total petroleum and petroleum products	9,119	325	959	7,835	7,573	262	---	---
Subtotal petroleum products	9,119	325	959	7,835	7,573	262	---	---
2211 gasoline	2,742	14	53	2,675	2,606	69	---	---
2221 kerosene	318	---	---	318	314	4	---	---
2330 distillate fuel oil	1,820	50	112	1,658	1,535	123	---	---
2340 residual fuel oil	3,868	245	775	2,848	2,794	55	---	---
2350 lube oil & greases	3	3	---	---	---	---	---	---
2429 naphtha & solvents	28	---	19	9	---	9	---	---
2430 asphalt, tar & pitch	327	14	---	313	311	2	---	---
2540 petroleum coke	14	---	---	14	14	---	---	---
Total chemicals and related products	75	---	---	75	55	20	---	---
Subtotal other chemicals and related products	75	---	---	75	55	20	---	---
3260 organic comp. nec	1	---	---	1	---	1	---	---
3274 sodium hydroxide	0	---	---	0	0	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	---	0	---	0	---	---
3276 metallic salts	28	---	---	28	28	---	---	---
3284 medicines	0	---	---	0	0	0	---	---
3285 perfumes & cleansers	1	---	---	1	---	1	---	---
3286 plastics	1	---	---	1	---	1	---	---
3291 pesticides	2	---	---	2	---	2	---	---
3292 starches, gluten, glue	1	---	---	1	---	1	---	---
3297 chemical additives	26	---	---	26	26	---	---	---
3299 chem. products nec	15	---	---	15	0	15	---	---
Total crude materials, inedible except fuels	390	17	121	251	---	251	---	---
Subtotal forest products, wood and chips	2	---	---	2	---	2	---	---
4110 rubber & gums	0	---	---	0	---	0	---	---
4189 lumber	2	---	---	2	---	2	---	---
4190 forest products nec	0	---	---	0	---	0	---	---
Subtotal pulp and waste paper	1	---	---	1	---	1	---	---
4225 pulp & waste paper	1	---	---	1	---	1	---	---
Subtotal soil, sand, gravel, rock and stone	259	17	79	163	---	163	---	---
4323 gypsum	96	17	79	---	---	---	---	---
4331 sand & gravel	163	---	---	163	---	163	---	---
Subtotal iron ore and scrap	85	---	---	85	---	85	---	---
4420 iron & steel scrap	85	---	---	85	---	85	---	---
Subtotal non-ferrous ores and scrap	0	---	---	0	---	0	---	---
4690 non-ferrous ores nec	0	---	---	0	---	0	---	---
Subtotal other non-metal. min.	43	---	43	0	---	0	---	---
4900 non-metal. min. nec	43	---	43	0	---	0	---	---
Total primary manufactured goods	992	3	9	981	856	82	21	21
Subtotal paper products	15	3	9	4	---	4	---	---
5110 newsprint	3	---	---	3	---	3	---	---
5120 paper & paperboard	9	---	9	0	---	0	---	---
5190 paper products nec	4	3	---	1	---	1	---	---
Subtotal lime, cement and glass	974	---	---	974	855	76	21	21
5220 cement & concrete	950	---	---	950	855	53	21	21
5240 glass & glass prod.	21	---	---	21	---	21	---	---

CAPE COD CANAL, MA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Total	Domestic			
		Through			Coastwise		Internal	
		Upbound	Downbnd		Through		Upbound	Downbnd
					Upbound	Downbnd		
5290 misc. mineral prod.	3	---	---	3	---	3	---	---
Subtotal primary iron and steel products	1	---	---	1	0	1	---	---
5315 ferro alloys	0	---	---	0	---	0	---	---
5320 i&s primary forms	0	---	---	0	---	0	---	---
5330 i&s plates & sheets	0	---	---	0	---	0	---	---
5360 i&s bars & shapes	1	---	---	1	0	0	---	---
5390 primary i&s nec	0	---	---	0	0	---	---	---
Subtotal primary non-ferrous metal products	2	---	---	2	0	2	---	---
5421 copper	1	---	---	1	---	1	---	---
5422 aluminum	0	---	---	0	---	0	---	---
5429 smelted prod. nec	0	---	---	0	---	0	---	---
5480 fab. metal products	1	---	---	1	0	1	---	---
Total food and farm products	165	---	2	163	0	163	---	---
Subtotal fish	2	---	2	0	---	0	---	---
6134 fish (not shellfish)	2	---	2	0	---	0	---	---
6136 shellfish	0	---	---	0	---	0	---	---
Subtotal oilseeds	0	---	---	0	---	0	---	---
6521 peanuts	0	---	---	0	---	0	---	---
6590 oilseeds nec	0	---	---	0	---	0	---	---
Subtotal vegetable products	8	---	---	8	---	8	---	---
6653 vegetable oils	1	---	---	1	---	1	---	---
6654 vegetables & prod.	7	---	---	7	---	7	---	---
Subtotal processed grain and animal feed	3	---	---	3	---	3	---	---
6747 grain mill products	3	---	---	3	---	3	---	---
Subtotal other agricultural products	152	---	---	152	0	152	---	---
6811 meat, fresh, frozen	2	---	---	2	---	2	---	---
6822 dairy products	4	---	---	4	---	4	---	---
6839 animals & prod. nec	0	---	---	0	---	0	---	---
6857 fruit & nuts nec	8	---	---	8	---	8	---	---
6858 fruit juices	0	---	---	0	---	0	---	---
6871 coffee	0	---	---	0	---	0	---	---
6872 cocoa beans	13	---	---	13	---	13	---	---
6885 alcoholic beverages	115	---	---	115	0	115	---	---
6888 water & ice	7	---	---	7	---	7	---	---
6889 food products nec	3	---	---	3	0	3	---	---
6891 tobacco & products	0	---	---	0	---	0	---	---
6899 farm products nec	0	---	---	0	---	0	---	---
Total all manufactured equipment, machinery and products	715	68	108	539	284	255	---	---
7110 machinery (not elec)	4	---	---	4	---	4	---	---
7120 electrical machinery	2	---	---	2	0	2	---	---
7210 vehicles & parts	48	15	32	1	0	1	---	---
7220 aircraft & parts	0	---	---	0	---	0	---	---
7300 ordnance & access.	0	---	---	0	---	0	---	---
7400 manufac. wood prod.	0	---	---	0	---	0	---	---
7500 textile products	1	---	---	1	0	1	---	---
7600 rubber & plastic pr.	1	---	---	1	0	1	---	---
7900 manufac. prod. nec	658	53	76	529	283	246	---	---
Ton-miles (x1000)	202,633	7,430	21,575	173,627	158,198	15,429	0	0
Tons All Traffic (x1000)		11,654						
Ton-miles All Traffic (x1000)		202,633						

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
1989	456	1992	484	1995	570	1998	533
1990	406	1993	503	1996	516		
1991	503	1994	601	1997	554		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic			Internal Intraport
		Imports	Imports	Total	Coastwise		
					Receipts	Shipments	
Total, all commodities	533	2	53	477	264	199	13
Total petroleum and petroleum products	304	—	—	304	264	27	13
Subtotal petroleum products	304	—	—	304	264	27	13
2211 gasoline	14	—	—	14	—	14	—
2330 distillate fuel oil	135	—	—	135	109	13	13
2340 residual fuel oil	155	—	—	155	155	—	—
Total chemicals and related products	6	2	4	—	—	—	—
Subtotal other chemicals and related products	6	2	4	—	—	—	—
3274 sodium hydroxide	4	—	4	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	2	2	—	—	—	—	—
Total crude materials, inedible except fuels	219	—	50	169	—	169	—
Subtotal soil, sand, gravel, rock and stone	169	—	—	169	—	169	—
4331 sand & gravel	150	—	—	150	—	150	—
4338 soil & fill dirt	19	—	—	19	—	19	—
Subtotal other non-metal. min.	50	—	50	—	—	—	—
4900 non-metal. min. nec	50	—	50	—	—	—	—
Total food and farm products	0	0	—	—	—	—	—
Subtotal vegetable products	0	0	—	—	—	—	—
6654 vegetables & prod.	0	0	—	—	—	—	—
Subtotal processed grain and animal feed	0	0	—	—	—	—	—
6747 grain mill products	0	0	—	—	—	—	—
Subtotal other agricultural products	0	0	—	—	—	—	—
6822 dairy products	0	0	—	—	—	—	—
6885 alcoholic beverages	0	0	—	—	—	—	—
6889 food products nec	0	0	—	—	—	—	—
Total all manufactured equipment, machinery and products	3	0	—	3	0	3	—
7110 machinery (not elec)	0	—	—	0	—	0	—
7230 ships & boats	0	0	—	—	—	—	—
7400 manufac. wood prod.	3	—	—	3	—	3	—
7900 manufac. prod. nec	0	—	—	0	0	0	—

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
1989	4,803	1992	3,530	1995	3,282	1998	3,776
1990	4,413	1993	3,458	1996	3,180		
1991	3,884	1994	4,178	1997	3,394		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports	Exports	Imports	Coastwise Receipts
Total, all commodities	3,776	606	3	8	3,160
Total coal	3,326	551	—	—	2,776
1100 coal lignite	3,326	551	—	—	2,776
Total petroleum and petroleum products	406	22	—	—	384
Subtotal petroleum products	406	22	—	—	384
2211 gasoline	9	5	—	—	4
2221 kerosene	7	—	—	—	7
2330 distillate fuel oil	149	2	—	—	147
2340 residual fuel oil	240	15	—	—	225
Total chemicals and related products	29	19	2	8	—
Subtotal other chemicals and related products	29	19	2	8	—
3219 other hydrocarbons	1	—	1	—	—
3220 alcohols	4	4	—	—	—
3240 nitrogen func. comp.	0	—	0	—	—
3274 sodium hydroxide	16	8	—	8	—
3275 inorg. elem., oxides, & halogen salts	8	8	—	—	—
3276 metallic salts	0	0	—	—	—
3285 perfumes & cleansers	0	0	0	—	—
3286 plastics	0	0	0	—	—
3291 pesticides	0	—	0	—	—
3299 chem. products nec	0	0	—	—	—
Total crude materials, inedible except fuels	12	12	—	—	—
Subtotal forest products, wood and chips	12	12	—	—	—
4110 rubber & gums	12	12	—	—	—
Total primary manufactured goods	1	1	0	—	—
Subtotal paper products	0	—	0	—	—
5190 paper products nec	0	—	0	—	—
Subtotal lime, cement and glass	1	1	0	—	—
5240 glass & glass prod.	0	0	0	—	—
5290 misc. mineral prod.	1	1	—	—	—
Subtotal primary iron and steel products	0	0	—	—	—
5390 primary i&s nec	0	0	—	—	—
Subtotal primary non-ferrous metal products	0	0	0	—	—
5480 fab. metal products	0	0	0	—	—
Total food and farm products	1	1	0	—	—
Subtotal fish	0	0	—	—	—
6134 fish (not shellfish)	0	0	—	—	—
Subtotal vegetable products	0	0	—	—	—
6653 vegetable oils	0	0	—	—	—
6654 vegetables & prod.	0	0	—	—	—
Subtotal processed grain and animal feed	0	0	—	—	—
6747 grain mill products	0	0	—	—	—
Subtotal other agricultural products	1	0	0	—	—
6822 dairy products	0	0	—	—	—
6857 fruit & nuts nec	0	—	0	—	—
6885 alcoholic beverages	0	0	—	—	—
6893 cotton	0	—	0	—	—
Total all manufactured equipment, machinery and products	1	0	0	—	—
7110 machinery (not elec)	0	0	0	—	—
7120 electrical machinery	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	—	—	—
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
1989	7,857	1992	6,185	1995	6,932	1998	8,028
1990	7,129	1993	6,558	1996	7,803		
1991	6,015	1994	6,567	1997	8,814		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports	Imports	Exports
Total, all commodities	3,601	3,061	21	489	29
Total petroleum and petroleum products	2,871	2,487	0	383	---
Subtotal petroleum products	2,871	2,487	0	383	---
2211 gasoline	2,117	1,890	---	227	---
2221 kerosene	29	29	---	---	---
2330 distillate fuel oil	228	185	---	43	---
2350 lube oil & greases	0	---	0	---	---
2540 petroleum coke	322	209	---	113	---
2640 liquid natural gas	174	174	---	---	---
Total chemicals and related products	25	24	0	---	---
Subtotal other chemicals and related products	25	24	0	---	---
3240 nitrogen func. comp.	0	---	0	---	---
3250 organo - inorg. comp.	0	---	0	---	---
3274 sodium hydroxide	24	24	---	---	---
3276 metallic salts	0	0	0	---	---
3285 perfumes & cleansers	0	---	0	---	---
3286 plastics	0	---	0	---	---
3291 pesticides	0	---	0	---	---
Total crude materials, inedible except fuels	236	109	20	78	29
Subtotal forest products, wood and chips	24	13	---	11	---
4110 rubber & gums	13	13	---	---	---
4189 lumber	11	---	---	11	---
Subtotal iron ore and scrap	49	---	20	---	29
4420 iron & steel scrap	49	---	20	---	29
Subtotal other non-metal. min.	163	95	---	67	---
4900 non-metal. min. nec	163	95	---	67	---
Total primary manufactured goods	460	432	0	28	---
Subtotal paper products	0	---	0	---	---
5120 paper & paperboard	0	---	0	---	---
Subtotal lime, cement and glass	380	353	---	28	---
5220 cement & concrete	368	340	---	28	---
5290 misc. mineral prod.	13	13	---	---	---
Subtotal primary iron and steel products	77	77	---	---	---
5330 i&s plates & sheets	56	56	---	---	---
5360 i&s bars & shapes	19	19	---	---	---
5390 primary i&s nec	2	2	---	---	---
Subtotal primary non-ferrous metal products	3	3	---	---	---
5480 fab. metal products	3	3	---	---	---
Total food and farm products	0	---	0	---	---
Subtotal vegetable products	0	---	0	---	---
6653 vegetable oils	0	---	0	---	---
6654 vegetables & prod.	0	---	0	---	---
Subtotal other agricultural products	0	---	0	---	---
6811 meat, fresh, frozen	0	---	0	---	---
6889 food products nec	0	---	0	---	---
6891 tobacco & products	0	---	0	---	---
Total all manufactured equipment, machinery and products	9	9	1	0	---
7110 machinery (not elec)	0	0	0	---	---
7120 electrical machinery	0	0	---	---	---
7210 vehicles & parts	8	8	---	---	---
7230 ships & boats	0	0	---	0	---
7500 textile products	0	---	0	---	---
7900 manufac. prod. nec	0	0	---	---	---
Total unknown or not elsewhere classified	0	0	---	---	---
9900 unknown or nec	0	0	---	---	---

PROVIDENCE RIVER AND HARBOR, RI
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	4,427	4,322	98	4	3
Total petroleum and petroleum products	4,155	4,142	6	4	3
Subtotal petroleum products	4,155	4,142	6	4	3
2211 gasoline	2,211	2,207	—	4	—
2221 kerosene	22	22	—	—	—
2330 distillate fuel oil	1,655	1,648	6	—	2
2340 residual fuel oil	224	222	—	—	1
2430 asphalt, tar & pitch	44	44	—	—	—
Total chemicals and related products	24	24	—	—	—
Subtotal other chemicals and related products	24	24	—	—	—
3220 alcohols	10	10	—	—	—
3274 sodium hydroxide	14	14	—	—	—
Total crude materials, inedible except fuels	91	—	91	—	—
Subtotal iron ore and scrap	91	—	91	—	—
4420 iron & steel scrap	91	—	91	—	—
Total primary manufactured goods	156	156	—	—	—
Subtotal lime, cement and glass	156	156	—	—	—
5220 cement & concrete	156	156	—	—	—

*Includes 0 (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
1989	1,737	1992	1,765	1995	1,636	1998	2,036
1990	2,149	1993	1,793	1996	2,049		
1991	2,130	1994	1,675	1997	1,915		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
Total, all commodities	119	75	4	39
Total chemicals and related products	0	—	0	—
Subtotal other chemicals and related products	0	—	0	—
3275 inorg. elem.oxides, & halogen salts	0	—	0	—
3282 pigments & paints	0	—	0	—
3286 plastics	0	—	0	—
3292 starches, gluten, glue	0	—	0	—
Total crude materials, inedible except fuels	102	63	0	39
Subtotal forest products, wood and chips	39	—	0	39
4189 lumber	39	—	0	39
4190 forest products nec	0	—	0	—
Subtotal other non-metal. min.	63	63	—	—
4900 non-metal. min. nec	63	63	—	—
Total primary manufactured goods	14	12	3	—
Subtotal paper products	2	—	2	—
5120 paper & paperboard	2	—	2	—
Subtotal lime, cement and glass	0	—	0	—
5240 glass & glass prod.	0	—	0	—
5290 misc. mineral prod.	0	—	0	—
Subtotal primary iron and steel products	12	12	0	—
5330 i&s plates & sheets	12	12	—	—
5360 i&s bars & shapes	0	—	0	—
Subtotal primary non-ferrous metal products	0	—	0	—
5480 fab. metal products	0	—	0	—
Total food and farm products	1	—	1	—
Subtotal fish	0	—	0	—
6134 fish (not shellfish)	0	—	0	—
Subtotal vegetable products	0	—	0	—
6654 vegetables & prod.	0	—	0	—

NEW LONDON HARBOR, CT
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
Subtotal other agricultural products	1	—	1	—
6811 meat, fresh, frozen	1	—	1	—
6839 animals & prod. nec	0	—	0	—
6857 fruit & nuts nec	0	—	0	—
6885 alcoholic beverages	0	—	0	—
6889 food products nec	0	—	0	—
6893 cotton	0	—	0	—
Total all manufactured equipment, machinery and products	1	0	0	0
7110 machinery (not elec)	0	0	0	—
7120 electrical machinery	0	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	—

Commodity	Total	Domestic				
		Coastwise				Internal
		Receipts	Shipments	Through		Outbound
				Upbound	Downbnd	Upbound
Total, all commodities	1,917	365	124	1,415	10	3
Total coal	696	—	—	696	—	—
1100 coal lignite	696	—	—	696	—	—
Total petroleum and petroleum products	1,051	360	121	556	10	3
Subtotal crude petroleum	3	3	—	—	—	—
2100 crude petroleum	3	3	—	—	—	—
Subtotal petroleum products	1,048	357	121	556	10	3
2211 gasoline	11	10	1	—	—	—
2221 kerosene	13	—	3	7	3	—
2330 distillate fuel oil	538	314	117	97	7	3
2340 residual fuel oil	486	33	—	453	—	—
Total chemicals and related products	127	4	—	123	—	—
Subtotal other chemicals and related products	127	4	—	123	—	—
3219 other hydrocarbons	114	—	—	114	—	—
3272 sulphuric acid	8	4	—	4	—	—
3274 sodium hydroxide	5	—	—	5	—	—
Total crude materials, inedible except fuels	38	—	—	38	—	—
Subtotal soil, sand, gravel, rock and stone	38	—	—	38	—	—
4322 limestone	38	—	—	38	—	—
Total primary manufactured goods	1	0	1	—	—	—
Subtotal primary non-ferrous metal products	1	0	1	—	—	—
5480 fab. metal products	1	0	1	—	—	—
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
1989	567	1992	1,135	1995	1,013	1998	1,428
1990	1,048	1993	1,001	1996	1,415		
1991	1,127	1994	965	1997	1,309		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Domestic		
		Coastwise		Internal
		Receipts	Shipments	Inbound Upbound
Total, all commodities	1,428	1,415	10	3
Total coal	696	696	—	—
1100 coal lignite	696	696	—	—
Total petroleum and petroleum products	570	556	10	3
Subtotal petroleum products	570	556	10	3
2221 kerosene	10	7	3	—
2330 distillate fuel oil	107	97	7	3
2340 residual fuel oil	453	453	—	—
Total chemicals and related products	123	123	—	—
Subtotal other chemicals and related products	123	123	—	—
3219 other hydrocarbons	114	114	—	—
3272 sulphuric acid	4	4	—	—
3274 sodium hydroxide	5	5	—	—
Total crude materials, inedible except fuels	38	38	—	—
Subtotal soil, sand, gravel, rock and stone	38	38	—	—
4322 limestone	38	38	—	—
Total food and farm products	0	0	—	—
Subtotal other agricultural products	0	0	—	—
6887 groceries	0	0	—	—
Ton-miles (x1000)	6,599	6,519	62	18
Tons All Traffic (x1000)				1,428
Ton-miles All Traffic (x1000)				6,599

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
1989	1,435	1992	986	1995	476	1998	702
1990	1,493	1993	638	1996	764		
1991	1,153	1994	594	1997	893		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Coastwise Receipts
Total, all commodities	702	702
Total petroleum and petroleum products	702	702
Subtotal petroleum products	702	702
2211 gasoline	41	41
2221 kerosene	13	13
2330 distillate fuel oil	105	105
2340 residual fuel oil	511	511
2430 asphalt, tar & pitch	32	32
Ton-miles (x1000)	21,950	21,950

Tons All Traffic (x1000) 702
Ton-miles All Traffic (x1000) 21,950

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
1989	9,480	1992	8,430	1995	8,813	1998	9,193
1990	9,301	1993	8,740	1996	8,838		
1991	8,154	1994	9,471	1997	9,594		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports	Imports	Total	Coastwise		Internal Intraport
						Receipts	Shipments	
Total, all commodities	9,193	2,355	95	214	6,528	6,141	162	225
Total petroleum and petroleum products	7,209	1,087	0	214	5,908	5,606	86	217
Subtotal petroleum products	7,209	1,087	0	214	5,908	5,606	86	217
2211 gasoline	3,130	542	—	24	2,564	2,470	21	73
2221 kerosene	101	5	—	—	96	90	6	—
2330 distillate fuel oil	2,944	448	—	189	2,307	2,131	38	138
2340 residual fuel oil	794	—	—	—	794	768	20	6
2350 lube oil & greases	0	—	0	—	—	—	—	—
2410 petro. jelly & waxes	0	—	0	—	—	—	—	—
2429 naphtha & solvents	54	44	—	—	10	10	—	—
2430 asphalt, tar & pitch	137	—	—	—	137	137	—	—
2540 petroleum coke	49	49	—	—	—	—	—	—
Total chemicals and related products	92	5	4	—	83	83	—	—
Subtotal fertilizers	0	—	0	—	—	—	—	—
3120 phosphatic fert.	0	—	0	—	—	—	—	—
Subtotal other chemicals and related products	92	5	4	—	83	83	—	—
3219 other hydrocarbons	64	—	0	—	64	64	—	—
3220 alcohols	8	—	0	—	8	8	—	—
3230 carboxylic acids	0	—	0	—	—	—	—	—
3240 nitrogen func. comp.	0	—	0	—	—	—	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—	—	—

NEW HAVEN HARBOR, CT
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports	Imports	Total	Coastwise		Internal
						Receipts	Shipments	Intraport
3260 organic comp. nec	1	—	1	—	—	—	—	—
3274 sodium hydroxide	9	5	—	—	4	4	—	—
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—	—	—	—
3276 metallic salts	1	—	1	—	—	—	—	—
3282 pigments & paints	0	—	0	—	—	—	—	—
3283 coloring mat. nec	0	—	0	—	—	—	—	—
3284 medicines	0	—	0	—	—	—	—	—
3285 perfumes & cleansers	0	—	0	—	—	—	—	—
3286 plastics	1	—	1	—	—	—	—	—
3291 pesticides	0	—	0	—	—	—	—	—
3292 starches, gluten, glue	0	—	0	—	—	—	—	—
3297 chemical additives	8	—	0	—	8	8	—	—
3299 chem. products nec	0	—	0	—	—	—	—	—
Total crude materials, inedible except fuels	577	181	84	—	312	231	73	8
Subtotal forest products, wood and chips	0	0	0	—	—	—	—	—
4189 lumber	0	0	0	—	—	—	—	—
Subtotal pulp and waste paper	2	—	2	—	—	—	—	—
4225 pulp & waste paper	2	—	2	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	231	0	—	—	231	231	—	—
4310 building stone	0	0	—	—	—	—	—	—
4331 sand & gravel	231	—	—	—	231	231	—	—
Subtotal iron ore and scrap	148	—	80	—	68	—	68	—
4420 iron & steel scrap	148	—	80	—	68	—	68	—
Subtotal non-ferrous ores and scrap	0	—	0	—	—	—	—	—
4680 non-ferrous scrap	0	—	0	—	—	—	—	—
Subtotal sulphur, clay and salt	1	—	1	—	—	—	—	—
4782 clay & refrac. mat.	1	—	1	—	—	—	—	—
Subtotal other non-metal. min.	194	181	0	—	14	—	6	8
4900 non-metal. min. nec	194	181	0	—	14	—	6	8
Total primary manufactured goods	1,307	1,083	3	—	222	222	—	—
Subtotal paper products	1	—	1	—	—	—	—	—
5120 paper & paperboard	1	—	1	—	—	—	—	—
5190 paper products nec	0	—	0	—	—	—	—	—
Subtotal lime, cement and glass	247	29	2	—	217	217	—	—
5220 cement & concrete	217	—	—	—	217	217	—	—
5240 glass & glass prod.	1	—	1	—	—	—	—	—
5290 misc. mineral prod.	29	29	1	—	—	—	—	—
Subtotal primary iron and steel products	888	882	0	—	5	5	—	—
5320 i&s primary forms	136	131	—	—	5	5	—	—
5330 i&s plates & sheets	483	483	0	—	—	—	—	—
5360 i&s bars & shapes	256	256	0	—	—	—	—	—
5370 i&s pipe & tube	2	2	0	—	—	—	—	—
5390 primary i&s nec	10	10	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	170	170	0	—	—	—	—	—
5421 copper	89	89	0	—	—	—	—	—
5422 aluminum	0	—	0	—	—	—	—	—
5429 smelted prod. nec	72	72	—	—	—	—	—	—
5480 fab. metal products	9	9	0	—	—	—	—	—
Subtotal primary wood products	2	2	0	—	—	—	—	—
5540 primary wood prod.	2	2	0	—	—	—	—	—
Total food and farm products	1	—	1	—	—	—	—	—
Subtotal fish	0	—	0	—	—	—	—	—
6136 shellfish	0	—	0	—	—	—	—	—
Subtotal vegetable products	0	—	0	—	—	—	—	—
6654 vegetables & prod.	0	—	0	—	—	—	—	—
Subtotal processed grain and animal feed	0	—	0	—	—	—	—	—
6747 grain mill products	0	—	0	—	—	—	—	—
6782 animal feed, prep.	0	—	0	—	—	—	—	—
Subtotal other agricultural products	1	—	1	—	—	—	—	—
6811 meat, fresh, frozen	0	—	0	—	—	—	—	—
6838 tallow, animal oils	0	—	0	—	—	—	—	—
6839 animals & prod. nec	0	—	0	—	—	—	—	—
6857 fruit & nuts nec	0	—	0	—	—	—	—	—
6858 fruit juices	0	—	0	—	—	—	—	—
6861 sugar	0	—	0	—	—	—	—	—

NEW HAVEN HARBOR, CT
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports	Imports	Total	Coastwise		Internal
						Receipts	Shipments	Intraport
6885 alcoholic beverages	0	—	0	—	—	—	—	
6889 food products nec	0	—	0	—	—	—	—	
6891 tobacco & products	0	—	0	—	—	—	—	
6899 farm products nec	0	—	0	—	—	—	—	
Total all manufactured equipment, machinery and products	6	0	3	—	3	—	3	
7110 machinery (not elec)	4	0	1	—	3	—	3	
7120 electrical machinery	1	—	1	—	—	—	—	
7210 vehicles & parts	0	—	0	—	—	—	—	
7300 ordnance & access.	0	—	0	—	—	—	—	
7400 manufac. wood prod.	0	—	0	—	—	—	—	
7500 textile products	0	—	0	—	—	—	—	
7600 rubber & plastic pr.	0	—	0	—	—	—	—	
7900 manufac. prod. nec	0	—	0	—	—	—	—	
Total unknown or not elsewhere classified	0	—	0	—	—	—	—	
9900 unknown or nec	0	—	0	—	—	—	—	

*Includes 23 (x1000) tons of foreign inbound in-transits.

HOUSATONIC RIVER, CT

Section Included: Long Island Sound to Culver's Bar about 0.6 miles above Route I-95 Bridge. Controlling Depth: 13.5 feet in Mid-Channel from entrance upstream 2.75 miles; thence 10 feet to about 0.6 mile above Route I-95 Bridge. Project Depth: 18 feet at mean low water to Culvers Bar at Devon, about 4.5 miles. Navigation Season: Usually entire year to Stratford: March 1 to December 31, Stratford to Shelton.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	335	1992	179	1995	23	1998	306
1990	402	1993	70	1996	94		
1991	281	1994	52	1997	98		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Domestic	
		Coastwise Receipts	Internal
			Intra Downbnd
Total, all commodities	306	298	9
Total petroleum and petroleum products	289	289	—
Subtotal petroleum products	289	289	—
2340 residual fuel oil	289	289	—
Total crude materials, inedible except fuels	17	8	9
Subtotal soil, sand, gravel, rock and stone	17	8	9
4331 sand & gravel	17	8	9
Ton-miles (x1000)	1,541	1,488	53
Tons All Traffic (x1000)			306
Ton-miles All Traffic (x1000)			1,541

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
1989	2,646	1992	2,948	1995	3,447	1998	4,626
1990	2,852	1993	2,942	1996	4,862		
1991	3,268	1994	3,054	1997	5,340		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intraport
		Imports*	Exports	Imports	Total	Coastwise		
						Receipts	Shipments	
Total, all commodities	4,626	1,208	14	43	3,361	2,824	457	80
Total coal	746	142	—	—	605	569	—	36
1100 coal lignite	746	142	—	—	605	569	—	36
Total petroleum and petroleum products	3,040	795	—	29	2,216	1,715	457	44
Subtotal petroleum products	3,040	795	—	29	2,216	1,715	457	44
2211 gasoline	1,525	464	—	15	1,045	987	58	—
2330 distillate fuel oil	488	29	—	—	459	459	—	—
2340 residual fuel oil	975	302	—	—	673	230	399	44
2430 asphalt, tar & pitch	38	—	—	—	38	38	—	—
2540 petroleum coke	14	—	—	14	—	—	—	—
Total chemicals and related products	2	—	2	—	—	—	—	—
Subtotal fertilizers	1	—	1	—	—	—	—	—
3190 fert. & mixes nec	1	—	1	—	—	—	—	—
Subtotal other chemicals and related products	1	—	1	—	—	—	—	—
3260 organic comp. nec	1	—	1	—	—	—	—	—
3291 pesticides	0	—	0	—	—	—	—	—
3292 starches, gluten, glue	0	—	0	—	—	—	—	—
Total crude materials, inedible except fuels	554	—	4	9	541	541	—	—
Subtotal forest products, wood and chips	9	—	—	9	—	—	—	—
4189 lumber	9	—	—	9	—	—	—	—
Subtotal pulp and waste paper	4	—	4	—	—	—	—	—
4225 pulp & waste paper	4	—	4	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	541	—	—	—	541	541	—	—
4331 sand & gravel	541	—	—	—	541	541	—	—
Total primary manufactured goods	10	0	6	4	—	—	—	—
Subtotal paper products	6	—	6	—	—	—	—	—
5120 paper & paperboard	6	—	6	—	—	—	—	—
5190 paper products nec	0	—	0	—	—	—	—	—
Subtotal lime, cement and glass	4	—	—	4	—	—	—	—
5220 cement & concrete	4	—	—	4	—	—	—	—
Subtotal primary iron and steel products	0	—	0	—	—	—	—	—
5390 primary i&s nec	0	—	0	—	—	—	—	—
Subtotal primary non-ferrous metal products	0	0	0	—	—	—	—	—
5480 fab. metal products	0	0	0	—	—	—	—	—
Total food and farm products	271	271	0	—	—	—	—	—
Subtotal vegetable products	3	2	0	—	—	—	—	—
6654 vegetables & prod.	3	2	0	—	—	—	—	—
Subtotal other agricultural products	269	269	0	—	—	—	—	—
6839 animals & prod. nec	0	0	—	—	—	—	—	—
6856 bananas & plantains	241	241	—	—	—	—	—	—
6857 fruit & nuts nec	28	28	0	—	—	—	—	—
6889 food products nec	0	—	0	—	—	—	—	—

BRIDGEPORT HARBOR, CT
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports*	Exports	Imports	Total	Coastwise		Internal
					Receipts	Shipments	Intraport	
6891 tobacco & products	0	0	—	—	—	—	—	
Total all manufactured equipment, machinery and products	2	—	2	—	0	0	—	
7110 machinery (not elec)	0	—	0	—	0	—	—	
7120 electrical machinery	0	—	0	—	—	—	—	
7210 vehicles & parts	1	—	1	—	—	—	—	
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 30 (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
1989	546	1992	541	1995	447	1998	725
1990	640	1993	475	1996	495		
1991	537	1994	446	1997	713		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Domestic	
		Coastwise	Internal
		Receipts	Intraport
Total, all commodities	725	718	6
Total petroleum and petroleum products	494	494	—
Subtotal petroleum products	494	494	—
2330 distillate fuel oil	24	24	—
2340 residual fuel oil	469	469	—
Total crude materials, inedible except fuels	225	225	—
Subtotal soil, sand, gravel, rock and stone	225	225	—
4331 sand & gravel	225	225	—
Total food and farm products	6	—	6
Subtotal fish	6	—	6
6136 shellfish	6	—	6

STAMFORD HARBOR, CT

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	893	1992	754	1995	994	1998	991
1990	522	1993	874	1996	1,037		
1991	819	1994	1,116	1997	1,041		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Total, all commodities	991	979	13
Total petroleum and petroleum products	218	218	—
Subtotal petroleum products	218	218	—
2330 distillate fuel oil	218	218	—
Total crude materials, inedible except fuels	773	761	13
Subtotal soil, sand, gravel, rock and stone	761	761	—
4331 sand & gravel	761	761	—
Subtotal iron ore and scrap	13	—	13
4420 iron & steel scrap	13	—	13

Other Harbors and Waterways 1998

Harbor or Waterway Project	Commodity	Thousand Short Tons
ANDREWS RIVER, MA	No Commerce Reported	
ANNISQUAM RIVER, MA	No Commerce Reported	
APPONAUG COVE, RI	No Commerce Reported	
BAR HARBOR, ME	No Commerce Reported	
BASS HARBOR, ME	No Commerce Reported	
BEALS HARBOR, ME	No Commerce Reported	
BELFAST HARBOR, ME	No Commerce Reported	
BEVERLY HARBOR, MA	No Commerce Reported	
BOOTHBAY HARBOR, ME	No Commerce Reported	
BRANFORD HARBOR, CT	No Commerce Reported	
BRISTOL HARBOR, RI	No Commerce Reported	
BUNKER HARBOR, ME	No Commerce Reported	
CAMDEN HARBOR, ME	No Commerce Reported	
CANAPITSIT CHANNEL, MA	2330 distillate fuel oil	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
CAPE PORPOISE HARBOR, ME	No Commerce Reported	
CARVERS HARBOR, ME	2211 gasoline	0
	2330 distillate fuel oil	0
	Total Tons(x1000)	0
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	16
	2330 distillate fuel oil	11
	4331 sand & gravel	21
	7400 manufac. wood prod.	1
	Total Tons(x1000)	48
	Total Ton-miles(x1000)	48

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
CUTTYHUNK HARBOR, MA	2330 distillate fuel oil	0
	4170 wood in the rough	0
	4189 lumber	0
	4331 sand & gravel	1
	4338 soil & fill dirt	1
	5480 fab. metal products	0
	7210 vehicles & parts	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	2
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	No Commerce Reported	
ESSEX RIVER, MA	No Commerce Reported	
FALMOUTH HARBOR, MA	7900 manufac. prod. nec	1
	Total Tons(x1000)	1
FIVEMILE RIVER HARBOR, CT	No Commerce Reported	
FORT POINT CHANNEL, MA (INCLUDED IN PORT OF BOSTON)	No Commerce Reported	
GLOUCESTER HARBOR, MA	2330 distillate fuel oil	3
	2350 lube oil & greases	1
	5120 paper & paperboard	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	9
	6136 shellfish	0
	6835 fish, prepared	0
	7110 machinery (not elec)	0
	7230 ships & boats	0
	7500 textile products	0
7900 manufac. prod. nec	0	
	Total Tons(x1000)	13
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	No Commerce Reported	
GUILFORD HARBOR, CT	No Commerce Reported	
HAMPTON HARBOR, NH	No Commerce Reported	
HARBOR OF REFUGE AT SANDY BAY, CAPE ANN, MA	No Commerce Reported	

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
HARBOR OF REFUGE, BLOCK ISLAND, RI	2330 distillate fuel oil	0
	7900 manufac. prod. nec	5
	9900 unknown or nec	0
	Total Tons(x1000)	6
HARBOR OF REFUGE, NANTUCKET, MA	2211 gasoline	16
	2330 distillate fuel oil	11
	4331 sand & gravel	21
	7400 manufac. wood prod.	1
Total Tons(x1000)	48	
HARBOR OF REFUGE, POINT JUDITH AND POINT JUDITH POND, RI	6134 fish (not shellfish)	2
	7900 manufac. prod. nec	5
	9900 unknown or nec	0
	Total Tons(x1000)	8
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	
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	2
	9900 unknown or nec	0
	Total Tons(x1000) Total Ton-miles(x1000)	2 2
ISLE OF SHOALS HARBOR, ME AND NH	No Commerce Reported	
JOSIAS RIVER, ME	No Commerce Reported	
KENNEBEC RIVER, ME	5480 fab. metal products	0
	6134 fish (not shellfish)	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 2
KENNEBUNK RIVER, ME	No Commerce Reported	
LAGOON POND, MARTHA'S VINEYARD, MA	No Commerce Reported	
LUBEC CHANNEL, ME	6134 fish (not shellfish)	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 0
LYNN HARBOR, MA	No Commerce Reported	
MACHIAS RIVER, ME	No Commerce Reported	

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
MALDEN RIVER, MA (INCLUDED IN PORT OF BOSTON)	No Commerce Reported	
MANCHESTER HARBOR, MA	No Commerce Reported	
MARBLEHEAD HARBOR, MA	No Commerce Reported	
MATINICUS HARBOR, ME	2211 gasoline 2221 kerosene 2330 distillate fuel oil 7900 manufac. prod. nec	0 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 6891 tobacco & products 7230 ships & boats 7900 manufac. prod. nec	41 3 0 0 0
	Total Tons(x1000)	44
	Total Ton-miles(x1000)	44
NIANTIC BAY AND HARBOR, CT	No Commerce Reported	
NORTHEAST HARBOR, ME	4331 sand & gravel	15
	Total Tons(x1000)	15
OWLS HEAD HARBOR, ME	No Commerce Reported	
PATCHOGUE RIVER, CT	No Commerce Reported	
PAWCATUCK RIVER, RI AND CT	No Commerce Reported	
PLEASANT RIVER, ME	No Commerce Reported	
PLYMOUTH HARBOR, MA (INCLUDING NORTH PLYMOUTH)	No Commerce Reported	
PROVINCETOWN HARBOR, MA	No Commerce Reported	

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
RED BROOK HARBOR, BOURNE, MA	No Commerce Reported	
ROCKLAND HARBOR, ME	2211 gasoline	2
	2221 kerosene	0
	2330 distillate fuel oil	2
	6134 fish (not shellfish)	5
	7900 manufac. prod. nec	0
	Total Tons(x1000)	9
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	2
	9900 unknown or nec	0
	Total Tons(x1000)	2
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	15
	2330 distillate fuel oil	12
	4331 sand & gravel	66
	4338 soil & fill dirt	18

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
VINEYARD HAVEN HARBOR, MA - continued	7110 machinery (not elec)	0
	7400 manufac. wood prod.	2
	Total Tons(x1000)	114
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
	5480 fab. metal products	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	14
	2330 distillate fuel oil	13
	4331 sand & gravel	87
	4338 soil & fill dirt	18
	7110 machinery (not elec)	0
	7400 manufac. wood prod.	3
	Total Tons(x1000)	135
Total Ton-miles(x1000)	135	
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
1989	1,613	1992	1,194	1995	1,238	1998	1,192
1990	1,153	1993	1,115	1996	1,117		
1991	1,198	1994	1,177	1997	1,008		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise		Internal	
		Receipts		Inbound Upbound	Outbound Downbnd
Total, all commodities	1,192	612		547	33
Total petroleum and petroleum products	503	—		503	—
Subtotal petroleum products	503	—		503	—
2211 gasoline	298	—		298	—
2221 kerosene	0	—		0	—
2330 distillate fuel oil	199	—		199	—
2340 residual fuel oil	5	—		5	—
Total crude materials, inedible except fuels	689	612		44	33
Subtotal forest products, wood and chips	3	—		3	—
4170 wood in the rough	3	—		3	—
Subtotal soil, sand, gravel, rock and stone	653	612		41	—
4331 sand & gravel	653	612		41	—
Subtotal iron ore and scrap	33	—		—	33
4420 iron & steel scrap	33	—		—	33
Ton-miles (x1000)	5,333	2,578		2,621	134
Tons All Traffic (x1000)					1,192
Ton-miles All Traffic (x1000)					5,333

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
1989	1,867	1992	1,958	1995	1,801	1998	2,264
1990	1,753	1993	1,825	1996	1,720		
1991	1,689	1994	1,832	1997	2,027		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total, all commodities	2,264	59	1	1,521	683
Total petroleum and petroleum products	254	—	—	254	—
Subtotal petroleum products	254	—	—	254	—
2330 distillate fuel oil	212	—	—	212	—
2340 residual fuel oil	42	—	—	42	—
Total crude materials, inedible except fuels	1,180	59	1	1,119	—
Subtotal forest products, wood and chips	0	—	—	0	—
4170 wood in the rough	0	—	—	0	—
Subtotal soil, sand, gravel, rock and stone	1,180	59	1	1,119	—
4331 sand & gravel	1,180	59	1	1,119	—
Total primary manufactured goods	147	—	—	147	—
Subtotal lime, cement and glass	147	—	—	147	—
5220 cement & concrete	147	—	—	147	—

FLUSHING BAY AND CREEK, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total waste and scrap nec	683	—	—	—	683
8900 waste and scrap nec	683	—	—	—	683
Ton-miles (x1000)	5,667	177	4	4,119	1,367
Tons All Traffic (x1000)	2,264				
Ton-miles All Traffic (x1000)	5,667				

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
1989	17,972	1992	15,149	1995	14,356	1998	17,726
1990	16,112	1993	15,513	1996	15,285		
1991	15,689	1994	14,944	1997	16,962		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total*	Foreign Imports	Domestic		
			Total	Coastwise Receipts	Internal Inbound Upbound
Total petroleum and petroleum products	21	—	21	—	21
Subtotal petroleum products	21	—	21	—	21
2330 distillate fuel oil	21	—	21	—	21
Total food and farm products	399	39	361	361	—
Subtotal other agricultural products	399	39	361	361	—
6861 sugar	399	39	361	361	—
Ton-miles (x1000)	1,702	154	209,018	1,443	105
Tons All Traffic (x1000)	17,726				
Ton-miles All Traffic (x1000)	226,676				

*Does not include 17,306 (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
1989	20,817	1992	16,616	1995	15,586	1998	18,853
1990	19,687	1993	17,302	1996	17,226		
1991	19,119	1994	16,346	1997	18,302		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic		
		Imports*	Exports*	Total	Internal	
					Upbound	Outbound
Total, all commodities	1,127	141	27	959	289	670
Total coal	38	38	—	—	—	—
1100 coal lignite	38	38	—	—	—	—
Total petroleum and petroleum products	292	—	1	291	289	1
Subtotal petroleum products	292	—	1	291	289	1
2211 gasoline	8	—	—	8	8	—
2221 kerosene	35	—	—	35	35	—
2330 distillate fuel oil	81	—	—	81	81	—
2340 residual fuel oil	164	—	—	164	164	—
2350 lube oil & greases	2	—	1	1	1	—
2410 petro. jelly & waxes	0	—	0	—	—	—
2429 naphtha & solvents	0	—	0	—	—	—
2990 petro. products nec	1	—	—	1	—	1
Total chemicals and related products	2	1	2	—	—	—
Subtotal other chemicals and related products	2	1	2	—	—	—
3219 other hydrocarbons	0	—	0	—	—	—
3220 alcohols	0	—	0	—	—	—
3230 carboxylic acids	0	0	0	—	—	—
3240 nitrogen func. comp.	0	0	0	—	—	—
3250 organo - inorg. comp.	0	0	0	—	—	—
3260 organic comp. nec	0	0	0	—	—	—
3275 inorg. elem.,oxides, & halogen salts	0	—	0	—	—	—
3276 metallic salts	0	—	0	—	—	—
3279 inorganic chem. nec	0	0	0	—	—	—
3282 pigments & paints	0	0	0	—	—	—
3283 coloring mat. nec	0	—	0	—	—	—
3284 medicines	0	0	0	—	—	—
3285 perfumes & cleansers	0	0	0	—	—	—
3286 plastics	1	0	0	—	—	—
3291 pesticides	0	—	0	—	—	—
3292 starches, gluten, glue	0	0	0	—	—	—
3297 chemical additives	0	—	0	—	—	—
3298 wood & resin chem.	0	—	0	—	—	—
3299 chem. products nec	0	0	0	—	—	—
Total crude materials, inedible except fuels	8	0	1	7	—	7
Subtotal forest products, wood and chips	0	0	0	—	—	—
4170 wood in the rough	0	—	0	—	—	—
4189 lumber	0	—	0	—	—	—
4190 forest products nec	0	0	0	—	—	—
Subtotal pulp and waste paper	1	—	1	—	—	—
4225 pulp & waste paper	1	—	1	—	—	—
Subtotal soil, sand, gravel, rock and stone	0	—	0	—	—	—
4331 sand & gravel	0	—	0	—	—	—
Subtotal iron ore and scrap	7	—	0	7	—	7
4420 iron & steel scrap	7	—	0	7	—	7
Subtotal non-ferrous ores and scrap	0	—	0	—	—	—
4650 aluminum ore	0	—	0	—	—	—
4680 non-ferrous scrap	0	—	0	—	—	—
Subtotal sulphur, clay and salt	0	—	0	—	—	—
4782 clay & refrac. mat.	0	—	0	—	—	—
Total primary manufactured goods	73	72	1	—	—	—
Subtotal paper products	1	1	0	—	—	—
5120 paper & paperboard	1	0	0	—	—	—
5190 paper products nec	0	0	0	—	—	—
Subtotal lime, cement and glass	71	71	0	—	—	—
5220 cement & concrete	70	70	—	—	—	—
5240 glass & glass prod.	0	0	0	—	—	—
5290 misc. mineral prod.	0	0	0	—	—	—
Subtotal primary iron and steel products	0	0	0	—	—	—
5312 pig iron	0	—	0	—	—	—

HUDSON RIVER CHANNEL, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic		
		Imports*	Exports*	Total	Internal	
					Inbound Upbound	Outbound Downbnd
5330 i&s plates & sheets	0	0	0	—	—	—
5360 i&s bars & shapes	0	—	0	—	—	—
5370 i&s pipe & tube	0	0	0	—	—	—
5390 primary i&s nec	0	—	0	—	—	—
Subtotal primary non-ferrous metal products	1	0	1	—	—	—
5421 copper	0	—	0	—	—	—
5422 aluminum	1	—	1	—	—	—
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	14	1	13	—	—	—
Subtotal fish	0	0	0	—	—	—
6134 fish (not shellfish)	0	0	0	—	—	—
6136 shellfish	0	0	—	—	—	—
Subtotal oilseeds	0	—	0	—	—	—
6534 flaxseed	0	—	0	—	—	—
6590 oilseeds nec	0	—	0	—	—	—
Subtotal vegetable products	1	0	1	—	—	—
6653 vegetable oils	0	0	—	—	—	—
6654 vegetables & prod.	1	0	1	—	—	—
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	13	0	12	—	—	—
6811 meat, fresh, frozen	0	—	0	—	—	—
6817 meat, prepared	0	—	0	—	—	—
6822 dairy products	0	0	0	—	—	—
6835 fish, prepared	0	0	0	—	—	—
6838 tallow, animal oils	11	—	11	—	—	—
6839 animals & prod. nec	0	0	0	—	—	—
6857 fruit & nuts nec	0	0	0	—	—	—
6858 fruit juices	0	0	0	—	—	—
6871 coffee	0	0	—	—	—	—
6872 cocoa beans	0	—	0	—	—	—
6885 alcoholic beverages	0	—	0	—	—	—
6889 food products nec	0	0	0	—	—	—
6891 tobacco & products	0	—	0	—	—	—
6893 cotton	0	—	0	—	—	—
6894 natural fibers nec	0	0	—	—	—	—
6899 farm products nec	0	0	0	—	—	—
Total all manufactured equipment, machinery and products	38	31	8	—	—	—
7110 machinery (not elec)	3	2	1	—	—	—
7120 electrical machinery	1	0	0	—	—	—
7210 vehicles & parts	31	26	5	—	—	—
7220 aircraft & parts	0	—	0	—	—	—
7230 ships & boats	0	0	0	—	—	—
7300 ordnance & access.	0	—	0	—	—	—
7400 manufac. wood prod.	0	0	0	—	—	—
7500 textile products	1	0	0	—	—	—
7600 rubber & plastic pr.	1	1	0	—	—	—
7900 manufac. prod. nec	2	1	0	—	—	—
Total waste and scrap nec	662	—	—	662	—	662
8900 waste and scrap nec	662	—	—	662	—	662
Total unknown or not elsewhere classified	0	0	0	—	—	—
9900 unknown or nec	0	0	0	—	—	—
Ton-miles (x1000)	8,257	576	120	219,993	2,189	5,373

Tons All Traffic (x1000) 18,853
Ton-miles All Traffic (x1000) 238,694

*Does not include 17,726 (x1000) tons of through traffic

*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 2 (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
1989	38,138	1992	28,778	1995	29,017	1998	35,464
1990	36,595	1993	29,099	1996	31,409		
1991	35,038	1994	29,610	1997	33,603		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total*	Foreign		Canadian
		Imports	Exports*	Imports
Total, all commodities	1,039	650	7	381
Total petroleum and petroleum products	115	115	0	—
Subtotal petroleum products	115	115	0	—
2330 distillate fuel oil	64	64	—	—
2340 residual fuel oil	51	51	—	—
2350 lube oil & greases	0	—	0	—
Total chemicals and related products	1	—	1	—
Subtotal fertilizers	0	—	0	—
3110 nitrogenous fert.	0	—	0	—
Subtotal other chemicals and related products	1	—	1	—
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	—
3279 inorganic chem. nec	0	—	0	—
3282 pigments & paints	0	—	0	—
3283 coloring mat. nec	0	—	0	—
3285 perfumes & cleansers	0	—	0	—
3286 plastics	0	—	0	—
3297 chemical additives	0	—	0	—
3299 chem. products nec	0	—	0	—
Total crude materials, inedible except fuels	383	—	1	381
Subtotal forest products, wood and chips	38	—	0	38
4189 lumber	38	—	0	38
4190 forest products nec	0	—	0	—
Subtotal pulp and waste paper	1	—	1	—
4225 pulp & waste paper	1	—	1	—
Subtotal soil, sand, gravel, rock and stone	343	—	—	343
4323 gypsum	343	—	—	343
Total primary manufactured goods	232	230	3	—
Subtotal paper products	2	—	2	—
5120 paper & paperboard	1	—	1	—
5190 paper products nec	1	—	1	—
Subtotal lime, cement and glass	230	230	0	—
5220 cement & concrete	230	230	—	—
5240 glass & glass prod.	0	—	0	—
5290 misc. mineral prod.	0	—	0	—
Subtotal primary iron and steel products	0	—	0	—
5330 i&s plates & sheets	0	—	0	—
Subtotal primary non-ferrous metal products	0	—	0	—
5422 aluminum	0	—	0	—
5429 smelted prod. nec	0	—	0	—
5480 fab. metal products	0	—	0	—
Total food and farm products	307	306	2	—
Subtotal vegetable products	0	—	0	—
6653 vegetable oils	0	—	0	—
6654 vegetables & prod.	0	—	0	—
Subtotal processed grain and animal feed	0	—	0	—
6747 grain mill products	0	—	0	—
6781 hay & fodder	0	—	0	—
Subtotal other agricultural products	307	306	1	—
6811 meat, fresh, frozen	0	—	0	—
6822 dairy products	0	—	0	—
6839 animals & prod. nec	0	—	0	—
6857 fruit & nuts nec	0	—	0	—
6861 sugar	306	306	—	—
6872 cocoa beans	0	—	0	—
6889 food products nec	0	—	0	—
6893 cotton	0	—	0	—
Total all manufactured equipment, machinery and products	1	—	1	—
7110 machinery (not elec)	0	—	0	—
7120 electrical machinery	0	—	0	—

EAST RIVER, NY (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian
		Imports	Exports*	Imports
7210 vehicles & parts	0	—	0	—
7400 manufac. wood prod.	0	—	0	—
7500 textile products	0	—	0	—
7600 rubber & plastic pr.	0	—	0	—
7900 manufac. prod. nec	0	—	0	—
Total unknown or not elsewhere classified	0	—	0	—
9900 unknown or nec	0	—	0	—
Ton-miles (x1000) Foreign & Canadian	7,660	4,182	48	3,430

Commodity	Total*	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound	Outbound		Intra	
				Upbound	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	3,860	1,348	41	1,905	8	229	150	180
Total petroleum and petroleum products	3,572	1,241	41	1,905	6	50	150	180
Subtotal crude petroleum	63	—	—	63	—	—	—	—
2100 crude petroleum	63	—	—	63	—	—	—	—
Subtotal petroleum products	3,509	1,241	41	1,842	6	50	150	180
2211 gasoline	16	—	11	4	—	—	—	—
2221 kerosene	21	—	—	21	—	—	—	—
2330 distillate fuel oil	772	224	12	521	2	14	—	—
2340 residual fuel oil	2,555	960	18	1,212	5	30	150	180
2350 lube oil & greases	0	—	—	0	—	—	—	—
2430 asphalt, tar & pitch	146	57	—	85	—	5	—	—
Total crude materials, inedible except fuels	5	—	—	—	2	3	—	—
Subtotal iron ore and scrap	5	—	—	—	2	3	—	—
4420 iron & steel scrap	5	—	—	—	2	3	—	—
Total food and farm products	107	107	—	—	—	—	—	—
Subtotal other agricultural products	107	107	—	—	—	—	—	—
6861 sugar	107	107	—	—	—	—	—	—
Total waste and scrap nec	176	—	—	—	—	176	—	—
8900 waste and scrap nec	176	—	—	—	—	176	—	—
Ton-miles (x1000) Domestic	28,874	10,877	453	15,336	48	1,724	166	271
Tons All Traffic (x1000)			35,464					
Ton-miles All Traffic (x1000)			526,413					

*Does not include 30,565 (x1000) tons of through traffic

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

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

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	2,396	1992	1,283	1995	1,487	1998	1,471
1990	1,913	1993	1,553	1996	1,522		
1991	1,777	1994	1,483	1997	1,422		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports		Total	Coastwise Receipts	Internal	
						Upbound	Outbound Downbnd
Total, all commodities	1,471	73		1,398	12	555	831
Total petroleum and petroleum products	377	---		377	---	377	---
Subtotal petroleum products	377	---		377	---	377	---
2211 gasoline	144	---		144	---	144	---
2221 kerosene	16	---		16	---	16	---
2330 distillate fuel oil	198	---		198	---	198	---
2340 residual fuel oil	19	---		19	---	19	---
2350 lube oil & greases	0	---		0	---	0	---
Total crude materials, inedible except fuels	415	---		415	12	178	225
Subtotal soil, sand, gravel, rock and stone	150	---		150	---	150	---
4331 sand & gravel	150	---		150	---	150	---
Subtotal iron ore and scrap	265	---		265	12	29	225
4420 iron & steel scrap	265	---		265	12	29	225
Total primary manufactured goods	73	73		---	---	---	---
Subtotal lime, cement and glass	73	73		---	---	---	---
5220 cement & concrete	73	73		---	---	---	---
Total waste and scrap nec	606	---		606	---	---	606
8900 waste and scrap nec	606	---		606	---	---	606
Ton-miles (x1000)	2,363	146		2,217	12	1,372	834
Tons All Traffic (x1000)	1,471						
Ton-miles All Traffic (x1000)	2,363						

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
1989	850	1992	26,112	1995	27,299	1998	33,747
1990	36,461	1993	26,993	1996	29,605		
1991	31,266	1994	27,022	1997	32,160		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian		Domestic		
		Imports*	Exports*	Imports	Exports	Total	Internal	
							Upbound	Outbound Downbnd
Total, all commodities	1,071	694	264	22	1	90	66	23
Total coal	4	---	4	---	---	---	---	---
1100 coal lignite	4	---	4	---	---	---	---	---
Total petroleum and petroleum products	207	137	3	---	---	66	66	---
Subtotal petroleum products	207	137	3	---	---	66	66	---
2211 gasoline	13	13	---	---	---	---	---	---
2330 distillate fuel oil	1	---	---	---	---	1	1	---
2340 residual fuel oil	186	122	---	---	---	64	64	---
2350 lube oil & greases	3	0	2	---	---	1	1	---
2410 petro. jelly & waxes	1	0	0	---	---	---	---	---
2429 naphtha & solvents	1	0	0	---	---	---	---	---
2430 asphalt, tar & pitch	1	1	0	---	---	---	---	---

BUTTERMILK CHANNEL, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian		Domestic		
		Imports*	Exports*	Imports	Exports	Total	Internal	
							Inbound Upbound	Outbound Downbnd
2540 petroleum coke	1	0	0	—	—	—	—	—
2640 liquid natural gas	0	—	0	—	—	—	—	—
Total chemicals and related products	71	23	48	—	0	—	—	—
Subtotal fertilizers	1	0	0	—	—	—	—	—
3110 nitrogenous fert.	0	—	0	—	—	—	—	—
3130 potassic fert.	0	0	—	—	—	—	—	—
3190 fert. & mixes nec	0	—	0	—	—	—	—	—
Subtotal other chemicals and related products	70	23	48	—	0	—	—	—
3219 other hydrocarbons	1	1	1	—	—	—	—	—
3220 alcohols	2	1	2	—	—	—	—	—
3230 carboxylic acids	3	2	2	—	—	—	—	—
3240 nitrogen func. comp.	2	1	1	—	—	—	—	—
3250 organo - inorg. comp.	2	1	1	—	—	—	—	—
3260 organic comp. nec	1	0	0	—	—	—	—	—
3272 sulphuric acid	0	—	0	—	—	—	—	—
3274 sodium hydroxide	5	5	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	6	2	4	—	—	—	—	—
3276 metallic salts	3	1	2	—	—	—	—	—
3279 inorganic chem. nec	0	0	0	—	—	—	—	—
3281 radioactive material	0	0	0	—	—	—	—	—
3282 pigments & paints	5	2	3	—	—	—	—	—
3283 coloring mat. nec	1	1	0	—	—	—	—	—
3284 medicines	1	0	1	—	—	—	—	—
3285 perfumes & cleansers	8	2	6	—	—	—	—	—
3286 plastics	22	2	19	—	0	—	—	—
3291 pesticides	2	0	1	—	—	—	—	—
3292 starches, gluten, glue	1	1	0	—	—	—	—	—
3293 explosives	0	—	0	—	—	—	—	—
3297 chemical additives	2	0	1	—	—	—	—	—
3298 wood & resin chem.	1	1	0	—	—	—	—	—
3299 chem. products nec	3	0	3	—	—	—	—	—
Total crude materials, inedible except fuels	141	85	34	22	0	—	—	—
Subtotal forest products, wood and chips	41	16	4	22	—	—	—	—
4110 rubber & gums	4	4	0	—	—	—	—	—
4150 fuel wood	0	0	—	—	—	—	—	—
4170 wood in the rough	0	—	0	—	—	—	—	—
4189 lumber	33	9	3	22	—	—	—	—
4190 forest products nec	3	3	0	—	—	—	—	—
Subtotal pulp and waste paper	15	—	15	—	—	—	—	—
4225 pulp & waste paper	15	—	15	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	3	0	3	—	0	—	—	—
4310 building stone	0	0	0	—	—	—	—	—
4322 limestone	0	—	0	—	—	—	—	—
4323 gypsum	0	—	0	—	0	—	—	—
4331 sand & gravel	3	0	3	—	—	—	—	—
Subtotal iron ore and scrap	7	—	7	—	—	—	—	—
4420 iron & steel scrap	7	—	7	—	—	—	—	—
Subtotal non-ferrous ores and scrap	2	0	2	—	—	—	—	—
4650 aluminum ore	0	0	0	—	—	—	—	—
4680 non-ferrous scrap	2	0	2	—	—	—	—	—
4690 non-ferrous ores nec	0	0	0	—	—	—	—	—
Subtotal sulphur, clay and salt	1	—	1	—	—	—	—	—
4741 sulphur, (dry)	0	—	0	—	—	—	—	—
4782 clay & refrac. mat.	1	—	1	—	—	—	—	—
Subtotal slag	0	0	—	—	—	—	—	—
4860 slag	0	0	—	—	—	—	—	—
Subtotal other non-metal. min.	70	69	2	—	—	—	—	—
4900 non-metal. min. nec	70	69	2	—	—	—	—	—
Total primary manufactured goods	208	175	33	0	1	—	—	—
Subtotal paper products	14	2	12	—	—	—	—	—
5110 newsprint	1	—	1	—	—	—	—	—
5120 paper & paperboard	10	1	9	—	—	—	—	—
5190 paper products nec	3	1	2	—	—	—	—	—
Subtotal lime, cement and glass	111	107	4	—	—	—	—	—
5220 cement & concrete	56	56	0	—	—	—	—	—
5240 glass & glass prod.	4	2	2	—	—	—	—	—
5290 misc. mineral prod.	51	49	2	—	—	—	—	—

BUTTERMILK CHANNEL, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian		Domestic		
		Imports*	Exports*	Imports	Exports	Total	Internal	
							Inbound Upbound	Outbound Downbnd
Subtotal primary iron and steel products	59	54	4	---	1	---	---	---
5312 pig iron	46	46	0	---	---	---	---	---
5315 ferro alloys	4	4	0	---	---	---	---	---
5320 i&s primary forms	0	0	0	---	---	---	---	---
5330 i&s plates & sheets	4	1	2	---	---	---	---	---
5360 i&s bars & shapes	1	1	0	---	---	---	---	---
5370 i&s pipe & tube	3	1	1	---	1	---	---	---
5390 primary i&s nec	1	1	0	---	---	---	---	---
Subtotal primary non-ferrous metal products	19	8	11	0	0	---	---	---
5421 copper	3	3	0	---	---	---	---	---
5422 aluminum	4	0	4	---	---	---	---	---
5429 smelted prod. nec	1	0	1	---	---	---	---	---
5480 fab. metal products	10	4	6	0	0	---	---	---
Subtotal primary wood products	5	4	0	---	---	---	---	---
5540 primary wood prod.	5	4	0	---	---	---	---	---
Total food and farm products	298	226	48	0	1	23	---	23
Subtotal fish	3	3	0	---	1	---	---	---
6134 fish (not shellfish)	2	1	0	---	0	---	---	---
6136 shellfish	2	1	0	---	0	---	---	---
Subtotal grain	4	2	2	---	---	---	---	---
6241 wheat	2	0	1	---	---	---	---	---
6344 corn	0	0	0	---	---	---	---	---
6442 rice	2	2	0	---	---	---	---	---
6445 oats	0	---	0	---	---	---	---	---
Subtotal oilseeds	12	11	0	---	---	---	---	---
6521 peanuts	4	4	0	---	---	---	---	---
6590 oilseeds nec	8	7	0	---	---	---	---	---
Subtotal vegetable products	47	33	14	0	---	---	---	---
6653 vegetable oils	28	27	1	---	---	---	---	---
6654 vegetables & prod.	19	7	13	0	---	---	---	---
Subtotal processed grain and animal feed	11	4	7	---	---	---	---	---
6746 wheat flour	1	0	0	---	---	---	---	---
6747 grain mill products	7	3	4	---	---	---	---	---
6782 animal feed, prep.	3	1	3	---	---	---	---	---
Subtotal other agricultural products	221	173	25	---	---	23	---	23
6811 meat, fresh, frozen	3	1	2	---	---	---	---	---
6817 meat, prepared	2	2	0	---	---	---	---	---
6822 dairy products	5	4	2	---	---	---	---	---
6835 fish, prepared	1	1	0	---	---	---	---	---
6838 tallow, animal oils	0	0	0	---	---	---	---	---
6839 animals & prod. nec	3	2	2	---	---	---	---	---
6857 fruit & nuts nec	5	5	1	---	---	---	---	---
6858 fruit juices	9	9	0	---	---	---	---	---
6861 sugar	1	1	---	---	---	---	---	---
6865 molasses	0	0	---	---	---	---	---	---
6871 coffee	12	12	0	---	---	---	---	---
6872 cocoa beans	124	100	0	---	---	23	---	23
6885 alcoholic beverages	9	7	2	---	---	---	---	---
6888 water & ice	1	1	0	---	---	---	---	---
6889 food products nec	29	21	8	---	---	---	---	---
6891 tobacco & products	7	6	2	---	---	---	---	---
6893 cotton	2	2	0	---	---	---	---	---
6899 farm products nec	7	2	5	---	---	---	---	---
Total all manufactured equipment, machinery and products	129	46	84	0	0	---	---	---
7110 machinery (not elec)	25	7	18	---	0	---	---	---
7120 electrical machinery	10	3	8	---	0	---	---	---
7210 vehicles & parts	9	1	8	---	0	---	---	---
7220 aircraft & parts	0	0	0	---	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---	---
7300 ordnance & access.	1	0	1	---	---	---	---	---
7400 manufac. wood prod.	2	2	0	---	---	---	---	---
7500 textile products	47	13	35	---	0	---	---	---
7600 rubber & plastic pr.	7	3	4	0	0	---	---	---
7900 manufac. prod. nec	26	17	9	---	0	---	---	---

BUTTERMILK CHANNEL, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Canadian		Domestic		
		Imports*	Exports*	Imports	Exports	Total	Internal	
							Upbound	Downbnd
Total unknown or not elsewhere classified	13	3	10	—	0	—	—	—
9900 unknown or nec	13	3	10	—	0	—	—	—
Ton-miles (x1000)	2,126	1,388	528	44	3	94,857	132	32

Tons All Traffic (x1000) **33,747**
 Ton-miles All Traffic (x1000) **100,154**

*Does not include 32,676 (x1000) tons of through traffic

*Includes 70 (x1000) tons of foreign inbound in-transits; Includes 67 (x1000) tons of foreign outbound in-transits.

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

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	2,945	1992	2,977	1995	2,678	1998	2,419
1990	3,541	1993	2,853	1996	3,656		
1991	3,463	1994	3,069	1997	2,809		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic				
		Imports*	Exports*	Total	Coastwise Shipments	Internal		
						Inbound Upbound	Upbound	Outbound Downbnd
Total, all commodities	306	34	5	266	4	7	1	254
Total petroleum and petroleum products	11	—	0	11	4	6	1	—
Subtotal petroleum products	11	—	0	11	4	6	1	—
2221 kerosene	6	—	—	6	—	6	—	—
2330 distillate fuel oil	5	—	—	5	4	0	1	—
2350 lube oil & greases	0	—	—	0	—	0	—	—
2429 naphtha & solvents	0	—	0	—	—	—	—	—
2540 petroleum coke	0	—	0	—	—	—	—	—
Total chemicals and related products	1	0	1	—	—	—	—	—
Subtotal other chemicals and related products	1	0	1	—	—	—	—	—
3220 alcohols	0	0	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—	—	—	—
3276 metallic salts	0	0	0	—	—	—	—	—
3282 pigments & paints	0	—	0	—	—	—	—	—
3285 perfumes & cleansers	0	0	0	—	—	—	—	—
3286 plastics	0	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	11	1	1	9	—	2	—	8
Subtotal forest products, wood and chips	1	1	0	0	—	0	—	—
4170 wood in the rough	0	—	0	0	—	0	—	—
4189 lumber	1	1	0	—	—	—	—	—
4190 forest products nec	0	0	0	—	—	—	—	—
Subtotal pulp and waste paper	0	—	0	—	—	—	—	—
4225 pulp & waste paper	0	—	0	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	1	—	—	1	—	1	—	—
4331 sand & gravel	1	—	—	1	—	1	—	—
Subtotal iron ore and scrap	8	—	0	8	—	—	—	8
4420 iron & steel scrap	8	—	0	8	—	—	—	8
Subtotal non-ferrous ores and scrap	0	—	0	—	—	—	—	—

BAY RIDGE AND RED HOOK CHANNELS, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic				
		Imports*	Exports*	Total	Coastwise Shipments	Internal		
						Inbound Upbound	Outbound Upbound	Downbnd
4680 non-ferrous scrap	0	---	0	---	---	---	---	---
Subtotal other non-metal. min.	0	---	0	---	---	---	---	---
4900 non-metal. min. nec	0	---	0	---	---	---	---	---
Total primary manufactured goods	24	23	1	---	---	---	---	---
Subtotal paper products	0	---	0	---	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---	---
5190 paper products nec	0	---	0	---	---	---	---	---
Subtotal lime, cement and glass	23	23	0	---	---	---	---	---
5220 cement & concrete	23	23	---	---	---	---	---	---
5240 glass & glass prod.	0	0	0	---	---	---	---	---
5290 misc. mineral prod.	0	0	0	---	---	---	---	---
Subtotal primary iron and steel products	0	0	0	---	---	---	---	---
5360 i&s bars & shapes	0	0	0	---	---	---	---	---
5390 primary i&s nec	0	0	0	---	---	---	---	---
Subtotal primary non-ferrous metal products	0	0	0	---	---	---	---	---
5422 aluminum	0	---	0	---	---	---	---	---
5429 smelted prod. nec	0	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	9	8	1	---	---	---	---	---
Subtotal fish	0	---	0	---	---	---	---	---
6134 fish (not 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	0	---	---	---	---	---
6747 grain mill products	0	0	0	---	---	---	---	---
6782 animal feed, prep.	0	---	0	---	---	---	---	---
Subtotal other agricultural products	9	8	1	---	---	---	---	---
6811 meat, fresh, frozen	0	0	0	---	---	---	---	---
6817 meat, prepared	0	0	---	---	---	---	---	---
6822 dairy products	0	0	---	---	---	---	---	---
6835 fish, prepared	0	0	---	---	---	---	---	---
6857 fruit & nuts nec	0	0	---	---	---	---	---	---
6872 cocoa beans	7	7	---	---	---	---	---	---
6885 alcoholic beverages	0	0	0	---	---	---	---	---
6889 food products nec	0	0	0	---	---	---	---	---
6899 farm products nec	0	0	0	---	---	---	---	---
Total all manufactured equipment, machinery and products	250	2	2	246	---	---	---	246
7110 machinery (not elec)	0	0	0	---	---	---	---	---
7120 electrical machinery	0	0	0	---	---	---	---	---
7210 vehicles & parts	1	1	0	---	---	---	---	---
7220 aircraft & parts	0	---	0	---	---	---	---	---
7230 ships & boats	0	---	0	---	---	---	---	---
7400 manufac. wood prod.	0	0	---	---	---	---	---	---
7500 textile products	1	0	1	---	---	---	---	---
7600 rubber & plastic pr.	0	0	0	---	---	---	---	---
7900 manufac. prod. nec	247	0	0	246	---	---	---	246

BAY RIDGE AND RED HOOK CHANNELS, NY (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Domestic				
		Imports*	Exports*	Total	Coastwise	Internal		
						Shipments	Inbound	Outbound
					Upbound		Upbound	Downbnd
Total unknown or not elsewhere classified	0	0	0	---	---	---	---	---
9900 unknown or nec	0	0	0	---	---	---	---	---
Ton-miles (x1000)	656	69	10	6,640	17	17	1	543

Tons All Traffic (x1000) 2,419
 Ton-miles All Traffic (x1000) 6,996

*Does not include 2,113 (x1000) tons of through traffic

*Includes 1 (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
1989	3,669	1992	2,175	1995	2,230	1998	2,114
1990	2,421	1993	2,303	1996	2,649		
1991	2,195	1994	2,490	1997	2,293		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total*	Foreign	Domestic					
			Imports	Total	Coastwise		Internal	
					Receipts	Shipments	Inbound	Outbound
						Upbound	Downbnd	
Total, all commodities	1,692	93	1,599	255	50	697	598	
Total petroleum and petroleum products	654	---	654	255	---	399	0	
Subtotal petroleum products	654	---	654	255	---	399	0	
2211 gasoline	5	---	5	---	---	5	0	
2221 kerosene	15	---	15	---	---	15	---	
2330 distillate fuel oil	307	---	307	---	---	307	---	
2340 residual fuel oil	327	---	327	255	---	73	---	
2350 lube oil & greases	0	---	0	---	---	0	---	
Total crude materials, inedible except fuels	297	---	297	---	---	297	---	
Subtotal soil, sand, gravel, rock and stone	297	---	297	---	---	297	---	
4331 sand & gravel	297	---	297	---	---	297	---	
Total primary manufactured goods	143	93	50	---	50	---	---	
Subtotal lime, cement and glass	143	93	50	---	50	---	---	
5220 cement & concrete	143	93	50	---	50	---	---	
Total waste and scrap nec	598	---	598	---	---	---	598	
8900 waste and scrap nec	598	---	598	---	---	---	598	
Ton-miles (x1000)	1,692	93	2,021	255	50	697	598	

Tons All Traffic (x1000) 2,114
 Ton-miles All Traffic (x1000) 2,114

*Does not include 422 (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
1989	1,566	1992	689	1995	634	1998	528
1990	1,138	1993	266	1996	774		
1991	995	1994	493	1997	775		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal	
		Through	Downbnd
Total, all commodities	528		528
Total petroleum and petroleum products	378		378
Subtotal petroleum products	378		378
2211 gasoline	296		296
2330 distillate fuel oil	83		83
Total crude materials, inedible except fuels	150		150
Subtotal soil, sand, gravel, rock and stone	150		150
4331 sand & gravel	150		150
Ton-miles (x1000)	528		528
Tons All Traffic (x1000)	528		
Ton-miles All Traffic (x1000)	528		

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
1989	1,111	1992	962	1995	827	1998	647
1990	1,866	1993	954	1996	834		
1991	1,338	1994	934	1997	714		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Through	Downbnd
Total, all commodities	647	646	1
Total petroleum and petroleum products	647	646	1
Subtotal petroleum products	647	646	1
2211 gasoline	354	353	1
2221 kerosene	20	20	—
2330 distillate fuel oil	262	262	—
2340 residual fuel oil	10	10	—
Ton-miles (x1000)	647	646	1
Tons All Traffic (x1000)	647		
Ton-miles All Traffic (x1000)	647		

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
1989	1,614	1992	1,025	1995	789	1998	675
1990	1,138	1993	601	1996	993		
1991	1,019	1994	781	1997	934		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Domestic	
		Coastwise	Internal
		Receipts	Inbound Upbound
Total, all commodities	675	1	674
Total petroleum and petroleum products	429	---	429
Subtotal petroleum products	429	---	429
2211 gasoline	333	---	333
2330 distillate fuel oil	96	---	96
Total crude materials, inedible except fuels	246	1	245
Subtotal soil, sand, gravel, rock and stone	246	1	245
4331 sand & gravel	246	1	245
Ton-miles (x1000)	8,181	15	8,166

Tons All Traffic (x1000) **675**
Ton-miles All Traffic (x1000) **8,181**

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
1989	3,424	1992	2,520	1995	2,236	1998	2,311
1990	4,542	1993	2,033	1996	2,348		
1991	3,773	1994	2,274	1997	2,409		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Upbound	Downbnd
Total, all commodities	2,311	458	743	432	344	334
Total petroleum and petroleum products	1,441	456	237	426	---	322
Subtotal crude petroleum	5	---	---	5	---	---
2100 crude petroleum	5	---	---	5	---	---
Subtotal petroleum products	1,436	456	237	421	---	322
2211 gasoline	351	42	112	88	---	110
2221 kerosene	21	---	1	19	---	---
2330 distillate fuel oil	510	137	117	155	---	101
2340 residual fuel oil	554	278	7	159	---	110
Total crude materials, inedible except fuels	870	2	505	6	344	13
Subtotal soil, sand, gravel, rock and stone	858	---	505	---	342	10
4331 sand & gravel	858	---	505	---	342	10
Subtotal iron ore and scrap	12	2	---	6	2	2
4420 iron & steel scrap	12	2	---	6	2	2
Ton-miles (x1000)	2,492	1,373	254	513	0	352

Tons All Traffic (x1000) **2,311**
Ton-miles All Traffic (x1000) **2,492**

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
1989	131,133	1992	92,575	1995	92,593	1998	121,546
1990	113,015	1993	99,787	1996	115,137		
1991	103,795	1994	98,688	1997	117,364		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	27,940	24,053	1,405	2,183	299
Total coal	421	421	1	—	—
1100 coal lignite	421	421	1	—	—
1200 coal coke	0	—	0	—	—
Total petroleum and petroleum products	21,277	18,830	18	2,143	287
Subtotal crude petroleum	6,591	4,892	—	1,694	5
2100 crude petroleum	6,591	4,892	—	1,694	5
Subtotal petroleum products	14,687	13,938	18	450	281
2211 gasoline	2,900	2,890	0	10	—
2221 kerosene	105	86	0	19	—
2330 distillate fuel oil	4,582	4,260	0	268	54
2340 residual fuel oil	6,477	6,250	1	107	119
2350 lube oil & greases	9	1	9	—	—
2410 petro. jelly & waxes	7	5	2	—	—
2429 naphtha & solvents	565	421	1	35	108
2430 asphalt, tar & pitch	17	15	2	—	—
2540 petroleum coke	20	7	1	11	—
2640 liquid natural gas	4	3	1	—	—
Total chemicals and related products	898	672	218	0	9
Subtotal fertilizers	7	1	5	0	—
3110 nitrogenous fert.	1	1	—	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	0	0	0	—	—
3190 fert. & mixes nec	6	0	5	0	—
Subtotal other chemicals and related products	891	670	212	0	9
3211 acyclic hydrocarbons	2	2	0	—	—
3212 benzene & toluene	0	0	—	—	—
3219 other hydrocarbons	13	9	5	—	—
3220 alcohols	89	75	5	—	9
3230 carboxylic acids	56	50	6	—	—
3240 nitrogen func. comp.	25	19	6	—	—
3250 organo - inorg. comp.	18	12	6	—	—
3260 organic comp. nec	250	245	6	—	—
3272 sulphuric acid	0	0	0	—	—
3273 ammonia	1	—	1	—	—
3274 sodium hydroxide	27	26	1	—	—
3275 inorg. elem., oxides, & halogen salts	28	19	9	—	—
3276 metallic salts	32	25	7	—	—
3279 inorganic chem. nec	3	2	1	—	—
3281 radioactive material	1	1	0	—	—
3282 pigments & paints	27	10	16	0	0
3283 coloring mat. nec	11	8	3	0	—
3284 medicines	9	6	3	—	0
3285 perfumes & cleansers	45	22	23	0	—
3286 plastics	162	94	68	0	0
3291 pesticides	4	2	2	—	—
3292 starches, gluten, glue	24	20	4	—	—
3293 explosives	0	0	0	—	—
3297 chemical additives	30	3	28	—	—
3298 wood & resin chem.	2	1	1	—	—
3299 chem. products nec	30	18	12	—	—
Total crude materials, inedible except fuels	1,054	496	523	34	—
Subtotal forest products, wood and chips	137	49	65	23	—
4110 rubber & gums	4	4	0	—	—
4150 fuel wood	0	0	0	—	—
4161 wood chips	0	—	0	—	—
4170 wood in the rough	10	1	9	—	—
4189 lumber	90	15	52	23	—
4190 forest products nec	32	28	4	—	—
Subtotal pulp and waste paper	193	3	191	—	—
4225 pulp & waste paper	193	3	191	—	—
Subtotal soil, sand, gravel, rock and stone	245	210	34	—	—
4310 building stone	44	44	0	—	—

UPPER BAY, NEW YORK HARBOR, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
4322 limestone	0	0	0	—	—
4323 gypsum	167	166	1	—	—
4327 phosphate rock	1	—	1	—	—
4331 sand & gravel	32	0	32	—	—
Subtotal iron ore and scrap	202	1	201	—	—
4410 iron ore	0	0	0	—	—
4420 iron & steel scrap	202	1	201	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—
Subtotal non-ferrous ores and scrap	62	45	16	—	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	34	33	1	—	—
4670 manganese ore	4	—	4	—	—
4680 non-ferrous scrap	20	10	11	—	—
4690 non-ferrous ores nec	2	2	0	—	—
Subtotal sulphur, clay and salt	13	4	9	—	—
4741 sulphur, (dry)	1	0	1	—	—
4782 clay & refrac. mat.	12	4	8	—	—
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	202	184	7	11	—
4900 non-metal. min. nec	202	184	7	11	—
Total primary manufactured goods	1,236	1,111	124	1	0
Subtotal paper products	127	76	50	1	—
5110 newsprint	7	5	2	—	—
5120 paper & paperboard	97	59	37	1	—
5190 paper products nec	23	12	11	0	—
Subtotal lime, cement and glass	613	590	22	—	0
5210 lime	0	0	0	—	—
5220 cement & concrete	227	223	4	—	—
5240 glass & glass prod.	84	73	11	—	—
5290 misc. mineral prod.	302	295	8	—	0
Subtotal primary iron and steel products	259	239	20	0	—
5312 pig iron	170	166	4	—	—
5315 ferro alloys	5	5	0	—	—
5320 i&s primary forms	2	1	1	—	—
5330 i&s plates & sheets	28	18	9	—	—
5360 i&s bars & shapes	30	28	2	—	—
5370 i&s pipe & tube	13	10	2	0	—
5390 primary i&s nec	11	11	1	—	—
Subtotal primary non-ferrous metal products	194	171	23	0	0
5421 copper	24	22	2	—	—
5422 aluminum	27	21	6	—	0
5429 smelted prod. nec	18	15	3	—	—
5480 fab. metal products	124	112	12	0	0
Subtotal primary wood products	44	35	9	—	—
5540 primary wood prod.	44	35	9	—	—
Total food and farm products	1,601	1,374	221	2	3
Subtotal fish	49	37	12	0	0
6134 fish (not shellfish)	33	25	8	0	0
6136 shellfish	16	12	4	0	—
Subtotal grain	20	18	2	—	—
6241 wheat	0	0	0	—	—
6344 corn	2	0	2	—	—
6442 rice	18	18	0	—	—
6443 barley & rye	0	0	—	—	—
6445 oats	0	—	0	—	—
Subtotal oilseeds	23	21	2	—	—
6521 peanuts	1	1	0	—	—
6522 soybeans	1	0	1	—	—
6590 oilseeds nec	20	19	1	—	—
Subtotal vegetable products	326	307	19	0	—
6653 vegetable oils	163	161	2	—	—
6654 vegetables & prod.	162	146	16	0	—
Subtotal processed grain and animal feed	128	98	30	—	—
6746 wheat flour	1	1	0	—	—
6747 grain mill products	98	82	16	—	—
6781 hay & fodder	3	0	2	—	—
6782 animal feed, prep.	26	14	12	—	—
Subtotal other agricultural products	1,055	894	156	1	3
6811 meat, fresh, frozen	18	3	15	—	—
6817 meat, prepared	11	10	1	—	—
6822 dairy products	53	47	7	—	0
6835 fish, prepared	19	19	1	0	—
6838 tallow, animal oils	33	3	26	—	3
6839 animals & prod. nec	28	11	17	—	—
6856 bananas & plantains	9	9	—	—	—
6857 fruit & nuts nec	62	47	15	—	—
6858 fruit juices	106	95	11	0	—
6861 sugar	165	164	0	—	0
6865 molasses	0	0	0	—	—

UPPER BAY, NEW YORK HARBOR, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
6871 coffee	43	42	1	—	—
6872 cocoa beans	73	72	0	1	—
6885 alcoholic beverages	207	190	17	0	—
6888 water & ice	64	64	0	—	—
6889 food products nec	142	103	40	0	—
6891 tobacco & products	9	6	2	—	—
6893 cotton	1	0	1	—	—
6894 natural fibers nec	3	3	0	—	—
6899 farm products nec	9	6	3	0	—
Total all manufactured equipment, machinery and products	1,424	1,131	290	2	0
7110 machinery (not elec)	188	129	58	0	0
7120 electrical machinery	121	92	29	0	0
7210 vehicles & parts	388	292	96	1	—
7220 aircraft & parts	1	0	1	—	—
7230 ships & boats	1	0	1	—	0
7300 ordnance & access.	6	3	2	—	—
7400 manufac. wood prod.	22	16	6	—	—
7500 textile products	232	199	31	1	0
7600 rubber & plastic pr.	110	90	20	0	0
7900 manufac. prod. nec	354	309	45	0	0
Total unknown or not elsewhere classified	29	19	10	0	—
9900 unknown or nec	29	19	10	0	—
Ton-miles (x1000) Foreign & Canadian	89,277	76,125	5,704	6,550	898

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	2,439	1,282	1,157
Total petroleum and petroleum products	2,081	1,217	864
Subtotal crude petroleum	44	—	44
2100 crude petroleum	44	—	44
Subtotal petroleum products	2,037	1,217	820
2211 gasoline	747	422	325
2221 kerosene	9	9	—
2330 distillate fuel oil	877	729	148
2340 residual fuel oil	382	51	331
2429 naphtha & solvents	15	—	15
2990 petro. products nec	8	6	1
Total chemicals and related products	56	51	5
Subtotal other chemicals and related products	56	51	5
3276 metallic salts	6	6	—
3297 chemical additives	50	46	5
Total crude materials, inedible except fuels	235	14	221
Subtotal iron ore and scrap	235	14	221
4420 iron & steel scrap	235	14	221
Total all manufactured equipment, machinery and products	67	—	67
7900 manufac. prod. nec	67	—	67
Ton-miles (x1000) Coastwise	6,233	2,785	3,447

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	6,297	253	1,107	4,895	37	2	2
Total petroleum and petroleum products	5,667	1	817	4,810	36	1	2
Subtotal crude petroleum	179	—	—	179	—	—	—
2100 crude petroleum	179	—	—	179	—	—	—
Subtotal petroleum products	5,488	1	817	4,631	36	1	2
2211 gasoline	1,342	—	150	1,190	—	—	2
2221 kerosene	73	—	—	72	1	—	—
2330 distillate fuel oil	1,501	1	85	1,411	3	—	—
2340 residual fuel oil	2,460	—	514	1,913	32	1	—
2350 lube oil & greases	7	—	7	—	—	—	—
2429 naphtha & solvents	98	—	59	39	—	—	—
2430 asphalt, tar & pitch	5	—	—	5	—	—	—

UPPER BAY, NEW YORK HARBOR, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
2990 petro. products nec	2	—	1	1	—	—	—
Total chemicals and related products	75	—	—	75	—	—	—
Subtotal other chemicals and related products	75	—	—	75	—	—	—
3272 sulphuric acid	5	—	—	5	—	—	—
3274 sodium hydroxide	3	—	—	3	—	—	—
3276 metallic salts	3	—	—	3	—	—	—
3297 chemical additives	64	—	—	64	—	—	—
3299 chem. products nec	1	—	—	1	—	—	—
Total crude materials, inedible except fuels	274	6	267	—	1	—	—
Subtotal iron ore and scrap	274	6	267	—	1	—	—
4420 iron & steel scrap	274	6	267	—	1	—	—
Total food and farm products	33	—	23	10	—	—	—
Subtotal vegetable products	10	—	—	10	—	—	—
6653 vegetable oils	10	—	—	10	—	—	—
Subtotal other agricultural products	23	—	23	—	—	—	—
6872 cocoa beans	23	—	23	—	—	—	—
Total all manufactured equipment, machinery and products	247	246	—	—	—	1	—
7900 manufac. prod. nec	247	246	—	—	—	1	—
Ton-miles (x1000)	14,333	256	1,682	12,328	63	2	2
Internal							
Tons All Traffic (x1000)	121,546						
Ton-miles All Traffic (x1000)	378,203						

*Does not include 84,870 (x1000) tons of through traffic

*Includes 233 (x1000) tons of foreign inbound in-transits; Includes 45 (x1000) tons of foreign outbound in-transits; Includes 27 (x1000) tons of Canadian inbound in-transits.

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

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	26,559	1992	22,804	1995	24,214	1998	21,377
1990	27,640	1993	22,586	1996	21,379		
1991	23,588	1994	24,124	1997	22,062		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	15,070	9,549	5,071	423	27
Total coal	44	35	8	—	—
1100 coal lignite	43	35	8	—	—
1200 coal coke	1	0	1	—	—
Total petroleum and petroleum products	1,133	697	63	359	14
Subtotal crude petroleum	162	79	0	82	—
2100 crude petroleum	162	79	0	82	—
Subtotal petroleum products	971	618	63	276	14
2211 gasoline	41	40	1	—	—
2221 kerosene	67	66	1	—	—
2330 distillate fuel oil	79	79	0	—	—
2340 residual fuel oil	551	389	5	157	—
2350 lube oil & greases	29	2	27	—	0
2410 petro. jelly & waxes	22	17	5	—	0
2429 naphtha & solvents	151	9	9	119	14
2430 asphalt, tar & pitch	9	0	8	—	—
2540 petroleum coke	19	15	4	—	—
2640 liquid natural gas	5	1	4	—	—

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total chemicals and related products	1,768	952	810	2	4
Subtotal fertilizers	27	4	22	1	0
3110 nitrogenous fert.	2	2	0	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	1	1	0	—	—
3190 fert. & mixes nec	24	1	21	1	0
Subtotal other chemicals and related products	1,741	948	788	0	4
3211 acyclic hydrocarbons	3	1	2	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	46	25	21	—	0
3220 alcohols	108	57	50	—	1
3230 carboxylic acids	149	129	19	0	0
3240 nitrogen func. comp.	66	41	25	—	0
3250 organo - inorg. comp.	44	28	16	0	0
3260 organic comp. nec	52	34	18	—	0
3272 sulphuric acid	5	0	5	—	—
3273 ammonia	11	—	11	—	—
3274 sodium hydroxide	18	12	6	—	—
3275 inorg. elem., oxides, & halogen salts	88	54	33	0	1
3276 metallic salts	105	78	27	0	0
3279 inorganic chem. nec	9	5	3	—	—
3281 radioactive material	3	1	2	—	—
3282 pigments & paints	101	51	49	0	0
3283 coloring mat. nec	27	17	11	0	0
3284 medicines	42	22	20	0	0
3285 perfumes & cleansers	129	47	82	0	0
3286 plastics	475	221	254	0	0
3291 pesticides	15	8	8	—	—
3292 starches, gluten, glue	71	56	16	—	0
3293 explosives	1	0	1	—	—
3297 chemical additives	71	19	52	—	0
3298 wood & resin chem.	11	3	8	0	—
3299 chem. products nec	93	41	51	0	1
Total crude materials, inedible except fuels	2,408	686	1,703	20	0
Subtotal forest products, wood and chips	285	71	196	18	0
4110 rubber & gums	4	2	1	1	—
4150 fuel wood	2	1	1	—	—
4161 wood chips	3	—	3	—	—
4170 wood in the rough	33	5	28	—	—
4189 lumber	195	26	152	17	0
4190 forest products nec	47	37	10	0	—
Subtotal pulp and waste paper	818	10	809	0	—
4225 pulp & waste paper	818	10	809	0	—
Subtotal soil, sand, gravel, rock and stone	235	126	109	—	0
4310 building stone	48	47	1	—	—
4322 limestone	0	—	0	—	—
4323 gypsum	95	78	17	—	0
4327 phosphate rock	9	—	9	—	—
4331 sand & gravel	83	1	82	—	—
Subtotal iron ore and scrap	408	24	383	0	—
4410 iron ore	26	24	1	—	—
4420 iron & steel scrap	382	0	382	0	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	137	28	109	0	—
4630 copper ore	3	3	0	—	—
4650 aluminum ore	11	5	6	—	—
4670 manganese ore	16	—	16	—	—
4680 non-ferrous scrap	91	12	79	0	—
4690 non-ferrous ores nec	15	8	7	—	—
Subtotal sulphur, clay and salt	75	34	40	0	0
4741 sulphur, (dry)	2	0	2	—	—
4782 clay & refrac. mat.	72	34	38	0	0
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	450	392	57	1	0
4900 non-metal. min. nec	450	392	57	1	0
Total primary manufactured goods	2,612	2,015	578	17	2
Subtotal paper products	638	375	248	14	0
5110 newsprint	48	15	32	1	—
5120 paper & paperboard	511	328	170	13	0
5190 paper products nec	78	32	46	0	0
Subtotal lime, cement and glass	794	713	81	0	0
5210 lime	1	0	1	—	—
5220 cement & concrete	196	183	13	—	—
5240 glass & glass prod.	179	145	34	0	0
5290 misc. mineral prod.	419	385	33	0	0
Subtotal primary iron and steel products	529	442	86	0	1
5312 pig iron	274	262	12	—	0
5315 ferro alloys	13	9	4	—	—

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
5320 i&s primary forms	15	10	5	0	—
5330 i&s plates & sheets	90	42	48	0	0
5360 i&s bars & shapes	67	58	9	0	0
5370 i&s pipe & tube	30	24	6	0	0
5390 primary i&s nec	40	37	3	0	—
Subtotal primary non-ferrous metal products	546	408	135	2	1
5421 copper	68	57	11	0	0
5422 aluminum	78	41	36	0	0
5429 smelted prod. nec	47	33	15	0	0
5480 fab. metal products	352	278	73	1	0
Subtotal primary wood products	104	77	27	0	0
5540 primary wood prod.	104	77	27	0	0
Total food and farm products	3,550	2,691	839	15	4
Subtotal fish	119	80	36	3	0
6134 fish (not shellfish)	86	55	29	2	0
6136 shellfish	33	25	7	1	0
Subtotal grain	67	45	22	—	0
6241 wheat	1	0	1	—	—
6344 corn	19	0	19	—	—
6442 rice	46	44	2	—	0
6443 barley & rye	0	0	0	—	—
6445 oats	1	0	1	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	38	26	11	0	—
6521 peanuts	7	7	0	—	—
6522 soybeans	5	1	4	0	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	25	19	7	—	—
Subtotal vegetable products	568	432	129	6	1
6653 vegetable oils	200	188	12	0	0
6654 vegetables & prod.	368	244	117	6	0
Subtotal processed grain and animal feed	305	177	126	0	2
6746 wheat flour	3	1	2	0	—
6747 grain mill products	204	163	40	0	1
6781 hay & fodder	10	0	10	—	—
6782 animal feed, prep.	88	12	75	—	2
Subtotal other agricultural products	2,452	1,931	515	5	1
6811 meat, fresh, frozen	87	15	71	0	0
6817 meat, prepared	34	28	6	—	0
6822 dairy products	122	97	25	0	0
6835 fish, prepared	48	43	3	1	0
6838 tallow, animal oils	47	2	45	0	—
6839 animals & prod. nec	60	22	38	0	0
6856 bananas & plantains	28	28	0	—	0
6857 fruit & nuts nec	188	103	85	0	0
6858 fruit juices	321	298	23	0	0
6861 sugar	12	8	3	0	0
6865 molasses	0	—	0	—	—
6871 coffee	114	111	3	0	0
6872 cocoa beans	122	115	7	—	—
6885 alcoholic beverages	755	704	50	0	0
6888 water & ice	84	84	1	—	0
6889 food products nec	323	217	105	0	0
6891 tobacco & products	17	11	6	—	0
6893 cotton	16	1	15	—	—
6894 natural fibers nec	9	9	0	—	—
6899 farm products nec	65	36	26	3	—
Total all manufactured equipment, machinery and products	3,438	2,432	993	11	3
7110 machinery (not elec)	571	350	220	0	0
7120 electrical machinery	329	208	119	0	0
7210 vehicles & parts	686	461	216	9	0
7220 aircraft & parts	9	3	7	—	—
7230 ships & boats	7	2	5	0	0
7300 ordnance & access.	18	3	15	0	—
7400 manufac. wood prod.	53	36	17	0	0
7500 textile products	539	422	116	1	0
7600 rubber & plastic pr.	286	205	81	0	0
7900 manufac. prod. nec	940	740	198	0	1

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total unknown or not elsewhere classified	118	41	76	1	0
9900 unknown or nec	118	41	76	1	0
Ton-miles (x1000) Foreign & Canadian	33,450	21,057	10,931	1,390	72

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	1,968	703	1,265
Total coal	0	—	0
1100 coal lignite	0	—	0
1200 coal coke	0	—	0
Total petroleum and petroleum products	62	48	14
Subtotal petroleum products	62	48	14
2221 kerosene	11	—	11
2330 distillate fuel oil	10	8	2
2340 residual fuel oil	40	40	—
2350 lube oil & greases	0	0	0
2410 petro. jelly & waxes	0	—	0
2429 naphtha & solvents	0	0	0
2430 asphalt, tar & pitch	0	—	0
2540 petroleum coke	0	—	0
2640 liquid natural gas	0	—	0
Total chemicals and related products	146	56	89
Subtotal fertilizers	1	0	1
3110 nitrogenous fert.	0	—	0
3120 phosphatic fert.	0	—	0
3190 fert. & mixes nec	1	0	1
Subtotal other chemicals and related products	144	56	88
3211 acyclic hydrocarbons	0	0	0
3212 benzene & toluene	0	—	0
3219 other hydrocarbons	0	0	0
3220 alcohols	9	7	2
3230 carboxylic acids	13	10	3
3240 nitrogen func. comp.	0	—	0
3250 organo - inorg. comp.	2	2	0
3260 organic comp. nec	10	3	7
3272 sulphuric acid	0	—	0
3274 sodium hydroxide	1	—	1
3275 inorg. elem., oxides, & halogen salts	2	0	2
3276 metallic salts	0	0	0
3282 pigments & paints	1	0	1
3283 coloring mat. nec	1	—	1
3284 medicines	12	4	8
3285 perfumes & cleansers	17	7	9
3286 plastics	12	1	11
3291 pesticides	6	2	4
3292 starches, gluten, glue	5	1	4
3293 explosives	0	—	0
3297 chemical additives	0	—	0
3298 wood & resin chem.	6	1	5
3299 chem. products nec	47	17	31
Total crude materials, inedible except fuels	133	7	126
Subtotal forest products, wood and chips	5	2	3
4110 rubber & gums	0	0	0
4150 fuel wood	0	—	0
4170 wood in the rough	0	—	0
4189 lumber	4	2	2
4190 forest products nec	1	0	1
Subtotal pulp and waste paper	8	1	7
4225 pulp & waste paper	8	1	7
Subtotal soil, sand, gravel, rock and stone	0	—	0
4331 sand & gravel	0	—	0
Subtotal iron ore and scrap	117	3	114
4410 iron ore	0	—	0
4420 iron & steel scrap	117	3	114
Subtotal marine shells	0	—	0
4515 marine shells	0	—	0
Subtotal non-ferrous ores and scrap	1	0	1
4630 copper ore	1	0	1
4680 non-ferrous scrap	0	0	—
4690 non-ferrous ores nec	0	0	—
Subtotal sulphur, clay and salt	0	—	0
4782 clay & refrac. mat.	0	—	0

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
Subtotal other non-metal. min.	1	0	1
4900 non-metal. min. nec	1	0	1
Total primary manufactured goods	172	30	142
Subtotal paper products	94	9	85
5110 newsprint	5	3	2
5120 paper & paperboard	84	6	78
5190 paper products nec	5	1	4
Subtotal lime, cement and glass	23	13	10
5220 cement & concrete	0	—	0
5240 glass & glass prod.	14	10	4
5290 misc. mineral prod.	9	3	6
Subtotal primary iron and steel products	14	1	13
5312 pig iron	1	—	1
5315 ferro alloys	0	0	—
5320 i&s primary forms	0	0	0
5330 i&s plates & sheets	1	0	0
5360 i&s bars & shapes	11	1	10
5370 i&s pipe & tube	1	—	1
5390 primary i&s nec	1	—	1
Subtotal primary non-ferrous metal products	40	7	33
5421 copper	6	1	6
5422 aluminum	1	0	0
5429 smelted prod. nec	1	0	1
5480 fab. metal products	32	6	27
Subtotal primary wood products	0	—	0
5540 primary wood prod.	0	—	0
Total food and farm products	420	187	233
Subtotal fish	2	0	2
6134 fish (not shellfish)	1	0	1
6136 shellfish	1	0	1
Subtotal grain	0	0	0
6241 wheat	0	0	0
6442 rice	0	0	0
6445 oats	0	—	0
Subtotal oilseeds	0	0	0
6521 peanuts	0	0	0
6522 soybeans	0	—	0
6590 oilseeds nec	0	0	0
Subtotal vegetable products	34	8	25
6653 vegetable oils	2	1	1
6654 vegetables & prod.	32	7	24
Subtotal processed grain and animal feed	7	4	3
6746 wheat flour	0	0	0
6747 grain mill products	5	4	1
6782 animal feed, prep.	2	0	2
Subtotal other agricultural products	376	175	202
6811 meat, fresh, frozen	6	2	4
6817 meat, prepared	11	0	11
6822 dairy products	7	4	4
6835 fish, prepared	5	5	0
6838 tallow, animal oils	0	—	0
6839 animals & prod. nec	10	0	10
6856 bananas & plantains	0	—	0
6857 fruit & nuts nec	27	12	16
6858 fruit juices	9	1	8
6861 sugar	0	0	0
6865 molasses	0	0	0
6871 coffee	4	0	4
6872 cocoa beans	20	14	7
6885 alcoholic beverages	223	116	107
6888 water & ice	15	7	8
6889 food products nec	32	11	20
6891 tobacco & products	4	4	1
6893 cotton	0	0	0
6894 natural fibers nec	0	0	0
6899 farm products nec	1	0	1
Total all manufactured equipment, machinery and products	1,024	373	651
7110 machinery (not elec)	23	4	18
7120 electrical machinery	12	3	9
7210 vehicles & parts	17	1	16
7220 aircraft & parts	1	0	1
7230 ships & boats	0	—	0
7300 ordnance & access.	0	0	0
7400 manufac. wood prod.	5	0	5
7500 textile products	14	2	13
7600 rubber & plastic pr.	24	2	22
7900 manufac. prod. nec	927	360	568

NEWARK BAY, NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total unknown or not elsewhere classified	11	2	9
9900 unknown or nec	11	2	9
Ton-miles (x1000) Coastwise	2,618	969	1,649

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,173	596	1	3	296	33	245
Total petroleum and petroleum products	1,147	575	1	3	292	33	242
Subtotal petroleum products	1,147	575	1	3	292	33	242
2211 gasoline	8	6	—	—	2	—	—
2221 kerosene	3	3	—	—	—	—	—
2330 distillate fuel oil	56	40	0	0	9	1	5
2340 residual fuel oil	1,066	513	1	3	281	32	237
2350 lube oil & greases	14	14	—	—	—	—	—
Total crude materials, inedible except fuels	11	7	—	—	4	—	—
Subtotal forest products, wood and chips	0	0	—	—	—	—	—
4170 wood in the rough	0	0	—	—	—	—	—
Subtotal iron ore and scrap	11	7	—	—	4	—	—
4420 iron & steel scrap	11	7	—	—	4	—	—
Total food and farm products	16	13	—	—	—	—	2
Subtotal vegetable products	16	13	—	—	—	—	2
6653 vegetable oils	16	13	—	—	—	—	2
Ton-miles (x1000) Internal	2,361	1,179	5	6	887	33	251
Tons All Traffic (x1000)	21,377						
Ton-miles All Traffic (x1000)	54,251						

*Does not include 3,165 (x1000) tons of through traffic

*Includes 479 (x1000) tons of foreign inbound in-transits; Includes 389 (x1000) tons of foreign outbound in-transits;
Includes 146 (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
1989	2,504	1992	2,035	1995	1,269	1998	1,325
1990	2,584	1993	1,542	1996	1,254		
1991	1,912	1994	1,305	1997	1,490		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign Imports	Domestic			
			Total	Coastwise		Internal Inbound Upbound
				Receipts	Shipments	
Total, all commodities	1,325	11	1,313	864	48	401
Total coal	787	—	787	787	—	—
1100 coal lignite	787	—	787	787	—	—
Total petroleum and petroleum products	419	—	419	75	20	324
Subtotal petroleum products	419	—	419	75	20	324
2211 gasoline	83	—	83	—	—	83

HACKENSACK RIVER, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign Imports	Domestic			
			Total	Coastwise		Internal
				Receipts	Shipments	Inbound Upbound
2221 kerosene	2	—	2	—	—	2
2330 distillate fuel oil	193	—	193	—	—	193
2340 residual fuel oil	29	—	29	—	20	9
2430 asphalt, tar & pitch	113	—	113	75	—	38
Total chemicals and related products	107	—	107	2	28	77
Subtotal other chemicals and related products	107	—	107	2	28	77
3274 sodium hydroxide	79	—	79	2	—	77
3276 metallic salts	28	—	28	—	28	—
Total crude materials, inedible except fuels	11	11	—	—	—	—
Subtotal other non-metal. min.	11	11	—	—	—	—
4900 non-metal. min. nec	11	11	—	—	—	—
Ton-miles (x1000)	8,182	45	8,137	3,503	355	4,279

Tons All Traffic (x1000) 1,325
Ton-miles All Traffic (x1000) 8,182

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
1989	7,296	1992	5,023	1995	3,586	1998	1,912
1990	7,116	1993	3,932	1996	3,386		
1991	5,440	1994	3,780	1997	2,450		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign Imports	Domestic					
			Total	Coastwise		Internal		
				Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Total, all commodities	1,912	5	1,907	142	99	1,459	201	6
Total petroleum and petroleum products	1,796	—	1,796	111	87	1,403	188	6
Subtotal petroleum products	1,796	—	1,796	111	87	1,403	188	6
2211 gasoline	1,084	—	1,084	13	24	1,011	33	3
2221 kerosene	46	—	46	—	8	26	12	—
2330 distillate fuel oil	603	—	603	60	51	353	136	3
2340 residual fuel oil	59	—	59	39	—	14	6	—
2350 lube oil & greases	4	—	4	—	4	0	—	—
Total chemicals and related products	42	—	42	30	12	—	—	—
Subtotal other chemicals and related products	42	—	42	30	12	—	—	—
3220 alcohols	38	—	38	30	8	—	—	—
3272 sulphuric acid	4	—	4	—	4	—	—	—
Total crude materials, inedible except fuels	6	5	2	—	—	2	—	—
Subtotal iron ore and scrap	2	—	2	—	—	2	—	—
4420 iron & steel scrap	2	—	2	—	—	2	—	—
Subtotal other non-metal. min.	5	5	—	—	—	—	—	—
4900 non-metal. min. nec	5	5	—	—	—	—	—	—
Total primary manufactured goods	33	—	33	—	—	33	—	—
Subtotal lime, cement and glass	33	—	33	—	—	33	—	—
5220 cement & concrete	33	—	33	—	—	33	—	—

PASSAIC RIVER, NJ (INCLUDED IN PORT OF NEW YORK)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign	Domestic					
		Imports	Total	Coastwise		Internal		
			Receipts	Shipments	Inbound	Outbound	Intra	
			Upbound	Downbnd	Upbound			
Total waste and scrap nec	35	---	35	---	---	21	13	---
8900 waste and scrap nec	35	---	35	---	---	21	13	---
Ton-miles (x1000)	2,828	9	2,818	226	129	2,100	357	6

Tons All Traffic (x1000) 1,912
Ton-miles All Traffic (x1000) 2,828

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
1989	101,078	1992	80,177	1995	90,557	1998	95,823
1990	96,268	1993	83,897	1996	92,797		
1991	86,859	1994	91,559	1997	94,921		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	14,615	11,515	737	2,179	184
Total coal	3	---	3	---	---
1100 coal lignite	2	---	2	---	---
1200 coal coke	1	---	1	---	---
Total petroleum and petroleum products	11,885	9,489	57	2,157	181
Subtotal crude petroleum	5,551	3,878	---	1,670	3
2100 crude petroleum	5,551	3,878	---	1,670	3
Subtotal petroleum products	6,334	5,611	57	487	179
2211 gasoline	1,612	1,544	---	45	23
2221 kerosene	199	165	15	19	---
2330 distillate fuel oil	2,054	1,934	37	35	47
2340 residual fuel oil	1,862	1,604	1	148	109
2350 lube oil & greases	2	0	2	0	---
2410 petro. jelly & waxes	3	3	0	---	---
2429 naphtha & solvents	470	268	0	202	---
2430 asphalt, tar & pitch	6	6	0	---	---
2540 petroleum coke	127	87	1	38	---
2640 liquid natural gas	0	---	0	---	---
Total chemicals and related products	1,076	941	112	22	1
Subtotal fertilizers	7	0	6	---	---
3110 nitrogenous fert.	2	0	1	---	---
3120 phosphatic fert.	0	---	0	---	---
3130 potassic fert.	0	---	0	---	---
3190 fert. & mixes nec	5	0	5	---	---
Subtotal other chemicals and related products	1,069	941	105	22	1
3211 acyclic hydrocarbons	10	2	8	---	---
3212 benzene & toluene	0	---	0	---	---
3219 other hydrocarbons	9	5	4	---	---
3220 alcohols	344	317	6	22	---
3230 carboxylic acids	35	30	4	---	---
3240 nitrogen func. comp.	13	7	5	---	---
3250 organo - inorg. comp.	12	10	2	---	---
3260 organic comp. nec	409	408	1	---	---
3272 sulphuric acid	0	---	0	---	---
3273 ammonia	0	---	0	---	---
3274 sodium hydroxide	73	73	0	---	---
3275 inorg. elem., oxides, & halogen salts	12	8	3	---	1
3276 metallic salts	30	22	8	---	---
3279 inorganic chem. nec	1	0	0	---	---
3281 radioactive material	0	0	0	---	---
3282 pigments & paints	11	4	6	---	0
3283 coloring mat. nec	3	2	1	---	---
3284 medicines	2	1	2	---	---
3285 perfumes & cleansers	14	5	9	---	0
3286 plastics	55	25	30	0	0
3291 pesticides	4	0	4	---	---

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
3292 starches, gluten, glue	8	6	1	—	—
3293 explosives	0	0	0	—	—
3297 chemical additives	12	8	4	0	—
3298 wood & resin chem.	3	1	3	—	—
3299 chem. products nec	10	5	5	—	—
Total crude materials, inedible except fuels	507	246	261	—	0
Subtotal forest products, wood and chips	29	14	15	—	—
4110 rubber & gums	3	3	0	—	—
4150 fuel wood	0	0	0	—	—
4161 wood chips	0	—	0	—	—
4170 wood in the rough	1	0	1	—	—
4189 lumber	16	4	12	—	—
4190 forest products nec	10	7	2	—	—
Subtotal pulp and waste paper	79	0	79	—	—
4225 pulp & waste paper	79	0	79	—	—
Subtotal soil, sand, gravel, rock and stone	12	0	11	—	0
4310 building stone	0	0	0	—	—
4322 limestone	0	0	—	—	—
4323 gypsum	4	0	4	—	0
4327 phosphate rock	2	—	2	—	—
4331 sand & gravel	6	0	6	—	—
Subtotal iron ore and scrap	128	—	128	—	—
4410 iron ore	0	—	0	—	—
4420 iron & steel scrap	128	—	128	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—
Subtotal non-ferrous ores and scrap	10	1	9	—	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	1	0	1	—	—
4680 non-ferrous scrap	9	1	8	—	—
4690 non-ferrous ores nec	0	0	0	—	—
Subtotal sulphur, clay and salt	11	1	10	—	—
4741 sulphur, (dry)	0	—	0	—	—
4782 clay & refrac. mat.	11	1	10	—	—
Subtotal slag	0	0	—	—	—
4860 slag	0	0	—	—	—
Subtotal other non-metal. min.	237	229	9	—	—
4900 non-metal. min. nec	237	229	9	—	—
Total primary manufactured goods	299	205	94	0	0
Subtotal paper products	55	14	41	—	0
5110 newsprint	5	0	5	—	—
5120 paper & paperboard	40	12	28	—	—
5190 paper products nec	9	2	8	—	0
Subtotal lime, cement and glass	130	119	11	0	—
5220 cement & concrete	89	89	0	—	—
5240 glass & glass prod.	14	10	3	0	—
5290 misc. mineral prod.	27	19	7	—	—
Subtotal primary iron and steel products	20	9	11	—	—
5312 pig iron	3	—	3	—	—
5315 ferro alloys	1	1	0	—	—
5320 i&s primary forms	1	0	1	—	—
5330 i&s plates & sheets	7	2	4	—	—
5360 i&s bars & shapes	3	3	0	—	—
5370 i&s pipe & tube	2	1	1	—	—
5390 primary i&s nec	3	3	0	—	—
Subtotal primary non-ferrous metal products	81	52	30	0	0
5421 copper	37	30	7	0	—
5422 aluminum	11	1	10	—	—
5429 smelted prod. nec	6	5	1	—	0
5480 fab. metal products	27	17	11	—	—
Subtotal primary wood products	13	11	2	—	—
5540 primary wood prod.	13	11	2	—	—
Total food and farm products	567	482	85	0	0
Subtotal fish	38	37	1	—	—
6134 fish (not shellfish)	4	3	1	—	—
6136 shellfish	34	34	0	—	—
Subtotal grain	2	1	1	—	0
6241 wheat	0	0	—	—	—
6344 corn	1	1	0	—	—
6442 rice	1	1	0	—	0
6443 barley & rye	0	0	—	—	—
6445 oats	0	—	0	—	—
Subtotal oilseeds	3	2	1	—	—
6521 peanuts	1	1	0	—	—
6522 soybeans	1	—	1	—	—
6590 oilseeds nec	1	1	0	—	—
Subtotal vegetable products	38	28	10	0	—
6653 vegetable oils	10	7	2	—	—
6654 vegetables & prod.	28	21	8	0	—

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Subtotal processed grain and animal feed	22	13	9	---	---
6746 wheat flour	0	0	0	---	---
6747 grain mill products	13	10	3	---	---
6781 hay & fodder	0	0	0	---	---
6782 animal feed, prep.	8	3	6	---	---
Subtotal other agricultural products	463	400	63	---	---
6811 meat, fresh, frozen	18	2	16	---	---
6817 meat, prepared	3	2	1	---	---
6822 dairy products	6	2	3	---	---
6835 fish, prepared	4	4	0	---	---
6838 tallow, animal oils	11	0	11	---	---
6839 animals & prod. nec	2	1	1	---	---
6856 bananas & plantains	219	219	---	---	---
6857 fruit & nuts nec	30	26	4	---	---
6858 fruit juices	29	26	3	---	---
6861 sugar	1	1	0	---	---
6871 coffee	33	33	1	---	---
6872 cocoa beans	20	20	1	---	---
6885 alcoholic beverages	37	36	1	---	---
6888 water & ice	1	1	0	---	---
6889 food products nec	36	23	14	---	---
6891 tobacco & products	4	2	2	---	---
6893 cotton	3	0	3	---	---
6894 natural fibers nec	3	3	0	---	---
6899 farm products nec	2	0	2	---	---
Total all manufactured equipment, machinery and products	255	145	108	0	2
7110 machinery (not elec)	44	19	25	---	0
7120 electrical machinery	36	18	16	---	1
7210 vehicles & parts	20	4	16	---	---
7220 aircraft & parts	0	0	0	---	---
7230 ships & boats	0	0	0	---	0
7300 ordnance & access.	1	0	1	---	---
7400 manufac. wood prod.	5	4	1	---	---
7500 textile products	45	30	15	0	---
7600 rubber & plastic pr.	31	15	16	0	0
7900 manufac. prod. nec	73	55	19	0	0
Total unknown or not elsewhere classified	25	7	18	---	---
9900 unknown or nec	25	7	18	---	---
Ton-miles (x1000) Foreign & Canadian	105,740	90,383	3,720	11,324	313

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	32,944	12,081	20,864
Total petroleum and petroleum products	31,356	10,631	20,726
Subtotal crude petroleum	582	579	3
2100 crude petroleum	582	579	3
Subtotal petroleum products	30,775	10,052	20,723
2211 gasoline	10,926	2,104	8,821
2221 kerosene	442	47	395
2330 distillate fuel oil	8,737	2,587	6,149
2340 residual fuel oil	8,876	4,225	4,651
2350 lube oil & greases	364	364	---
2429 naphtha & solvents	245	173	72
2430 asphalt, tar & pitch	953	318	634
2640 liquid natural gas	0	0	---
2990 petro. products nec	233	233	---
Total chemicals and related products	1,465	1,346	119
Subtotal other chemicals and related products	1,465	1,346	119
3211 acyclic hydrocarbons	5	5	---
3212 benzene & toluene	33	33	---
3219 other hydrocarbons	155	155	---
3220 alcohols	334	334	---
3230 carboxylic acids	114	114	---
3240 nitrogen func. comp.	9	9	---
3260 organic comp. nec	46	46	---
3274 sodium hydroxide	174	155	19
3276 metallic salts	4	4	---
3291 pesticides	3	3	---
3297 chemical additives	584	484	100
3299 chem. products nec	5	5	---

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ (INCLUDED IN PORT OF NEW YORK)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total crude materials, inedible except fuels	35	35	—
Subtotal soil, sand, gravel, rock and stone	35	35	—
4331 sand & gravel	35	35	—
Total primary manufactured goods	56	55	1
Subtotal lime, cement and glass	55	55	—
5220 cement & concrete	55	55	—
Subtotal primary non-ferrous metal products	1	—	1
5480 fab. metal products	1	—	1
Total all manufactured equipment, machinery and products	32	14	18
7900 manufac. prod. nec	32	14	18
Ton-miles (x1000) Coastwise	338,055	162,148	175,907

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	27,689	405	7,637	13,365	885	2,636	2,761
Total petroleum and petroleum products	23,008	183	3,708	13,335	811	2,609	2,361
Subtotal crude petroleum	178	—	170	—	—	8	—
2100 crude petroleum	178	—	170	—	—	8	—
Subtotal petroleum products	22,830	183	3,538	13,335	811	2,601	2,361
2211 gasoline	8,641	44	1,129	5,585	160	700	1,023
2221 kerosene	356	—	34	298	15	1	8
2330 distillate fuel oil	7,321	20	1,017	4,854	129	550	752
2340 residual fuel oil	5,848	120	1,309	2,266	494	1,156	503
2350 lube oil & greases	88	—	—	9	14	64	2
2429 naphtha & solvents	269	—	48	59	—	101	61
2430 asphalt, tar & pitch	302	—	—	262	—	29	10
2990 petro. products nec	5	—	1	2	—	1	2
Total chemicals and related products	574	—	72	2	74	27	399
Subtotal other chemicals and related products	574	—	72	2	74	27	399
3274 sodium hydroxide	74	—	—	—	74	—	—
3297 chemical additives	488	—	71	—	—	18	399
3299 chem. products nec	12	—	1	2	—	9	—
Total crude materials, inedible except fuels	848	222	623	4	—	—	0
Subtotal forest products, wood and chips	3	—	—	3	—	—	0
4170 wood in the rough	3	—	—	3	—	—	0
Subtotal soil, sand, gravel, rock and stone	838	222	617	—	—	—	—
4331 sand & gravel	838	222	617	—	—	—	—
Subtotal iron ore and scrap	6	—	6	0	—	—	—
4420 iron & steel scrap	6	—	6	0	—	—	—
Total primary manufactured goods	216	—	216	—	—	—	—
Subtotal lime, cement and glass	216	—	216	—	—	—	—
5220 cement & concrete	216	—	216	—	—	—	—
Total food and farm products	3	—	—	3	—	—	—
Subtotal vegetable products	3	—	—	3	—	—	—
6653 vegetable oils	3	—	—	3	—	—	—
Total waste and scrap nec	3,040	—	3,019	21	—	—	—
8900 waste and scrap nec	3,040	—	3,019	21	—	—	—
Ton-miles (x1000) Internal	225,873	2,731	76,149	111,024	1,757	14,015	20,196
Tons All Traffic (x1000)	95,823						
Ton-miles All Traffic (x1000)	733,668						

*Does not include 20,575 (x1000) tons of through traffic

*Includes 177 (x1000) tons of foreign inbound in-transits; Includes 105 (x1000) tons of foreign outbound in-transits; Includes 155 (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
1989	2,691	1992	2,192	1995	2,049	1998	1,776
1990	2,154	1993	1,832	1996	1,939		
1991	2,663	1994	2,134	1997	2,230		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,776	730	2	657	387
Total petroleum and petroleum products	918	224	—	312	381
Subtotal crude petroleum	5	—	—	—	5
2100 crude petroleum	5	—	—	—	5
Subtotal petroleum products	913	224	—	312	377
2211 gasoline	294	99	—	107	88
2221 kerosene	21	1	—	—	19
2330 distillate fuel oil	354	117	—	94	142
2340 residual fuel oil	245	7	—	110	127
Total crude materials, inedible except fuels	858	505	2	345	6
Subtotal soil, sand, gravel, rock and stone	848	505	—	342	—
4331 sand & gravel	848	505	—	342	—
Subtotal iron ore and scrap	10	—	2	2	6
4420 iron & steel scrap	10	—	2	2	6
Ton-miles (x1000)	1,776	730	2	657	387
Tons All Traffic (x1000)	1,776				
Ton-miles All Traffic (x1000)	1,776				

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
1989	93,335	1992	73,247	1995	77,590	1998	87,896
1990	89,411	1993	72,413	1996	84,781		
1991	78,407	1994	81,743	1997	85,721		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	62,893	48,368	7,598	6,415	512
Total coal	509	494	15	—	—
1100 coal lignite	508	494	14	—	—
1200 coal coke	1	0	1	—	—
Total petroleum and petroleum products	36,136	30,105	144	5,406	482
Subtotal crude petroleum	13,337	9,190	0	4,139	8
2100 crude petroleum	13,337	9,190	0	4,139	8
Subtotal petroleum products	22,798	20,914	143	1,267	474
2211 gasoline	4,849	4,717	1	108	23
2221 kerosene	371	317	17	37	—
2330 distillate fuel oil	6,898	6,456	37	304	101
2340 residual fuel oil	9,146	8,499	6	412	228
2350 lube oil & greases	44	3	41	0	0
2410 petro. jelly & waxes	33	24	8	—	0
2429 naphtha & solvents	1,187	698	11	356	122
2430 asphalt, tar & pitch	32	21	11	—	—
2540 petroleum coke	229	173	7	49	—
2640 liquid natural gas	9	5	5	—	—

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total chemicals and related products	3,825	2,597	1,191	24	14
Subtotal fertilizers	49	14	34	1	0
3110 nitrogenous fert.	13	11	2	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	2	1	1	—	—
3190 fert. & mixes nec	35	2	31	1	0
Subtotal other chemicals and related products	3,776	2,582	1,157	22	14
3211 acyclic hydrocarbons	15	5	10	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	70	40	30	—	0
3220 alcohols	544	450	62	22	10
3230 carboxylic acids	242	211	31	0	0
3240 nitrogen func. comp.	106	69	37	—	0
3250 organo - inorg. comp.	75	50	25	0	0
3260 organic comp. nec	712	687	25	—	0
3272 sulphuric acid	5	0	5	—	—
3273 ammonia	12	—	12	—	—
3274 sodium hydroxide	123	116	7	—	—
3275 inorg. elem., oxides, & halogen salts	134	83	48	0	2
3276 metallic salts	171	126	45	0	0
3279 inorganic chem. nec	12	8	4	—	—
3281 radioactive material	5	2	3	—	—
3282 pigments & paints	143	67	76	0	0
3283 coloring mat. nec	42	28	14	0	0
3284 medicines	53	29	25	0	0
3285 perfumes & cleansers	196	76	120	0	0
3286 plastics	714	342	372	0	0
3291 pesticides	25	10	15	—	—
3292 starches, gluten, glue	105	83	22	—	0
3293 explosives	1	1	1	—	—
3297 chemical additives	115	31	85	0	0
3298 wood & resin chem.	17	5	12	0	—
3299 chem. products nec	136	65	70	0	1
Total crude materials, inedible except fuels	5,352	1,885	2,529	937	0
Subtotal forest products, wood and chips	536	151	285	100	0
4110 rubber & gums	15	14	1	1	—
4150 fuel wood	3	1	2	—	—
4161 wood chips	3	—	3	—	—
4170 wood in the rough	49	6	43	—	—
4189 lumber	373	55	219	99	0
4190 forest products nec	92	76	17	0	—
Subtotal pulp and waste paper	1,139	43	1,096	0	—
4225 pulp & waste paper	1,139	43	1,096	0	—
Subtotal soil, sand, gravel, rock and stone	1,241	368	158	715	0
4310 building stone	92	91	1	—	—
4322 limestone	0	0	0	—	—
4323 gypsum	1,011	275	21	715	0
4327 phosphate rock	13	—	13	—	—
4331 sand & gravel	124	2	122	—	—
Subtotal iron ore and scrap	745	25	720	0	—
4410 iron ore	26	24	2	—	—
4420 iron & steel scrap	719	1	718	0	—
Subtotal marine shells	1	1	0	—	—
4515 marine shells	1	1	0	—	—
Subtotal non-ferrous ores and scrap	270	134	136	0	—
4630 copper ore	3	3	0	—	—
4650 aluminum ore	106	98	8	—	—
4670 manganese ore	21	—	21	—	—
4680 non-ferrous scrap	123	23	100	0	—
4690 non-ferrous ores nec	17	10	7	—	—
Subtotal sulphur, clay and salt	100	40	60	0	0
4741 sulphur, (dry)	3	0	3	—	—
4782 clay & refrac. mat.	97	39	57	0	0
Subtotal slag	46	46	0	—	—
4860 slag	46	46	0	—	—
Subtotal other non-metal. min.	1,274	1,078	75	121	0
4900 non-metal. min. nec	1,274	1,078	75	121	0
Total primary manufactured goods	5,129	4,274	834	18	3
Subtotal paper products	837	467	354	15	0
5110 newsprint	61	20	40	1	—
5120 paper & paperboard	661	401	246	14	0
5190 paper products nec	115	46	68	0	0
Subtotal lime, cement and glass	2,417	2,297	120	0	0
5210 lime	1	0	1	—	—
5220 cement & concrete	1,335	1,318	17	—	—
5240 glass & glass prod.	281	230	50	0	0
5290 misc. mineral prod.	800	748	51	0	0
Subtotal primary iron and steel products	868	744	122	0	1
5312 pig iron	494	475	20	—	0
5315 ferro alloys	23	19	4	—	—

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
5320 i&s primary forms	18	11	7	0	—
5330 i&s plates & sheets	128	64	64	0	0
5360 i&s bars & shapes	101	90	11	0	0
5370 i&s pipe & tube	48	35	11	0	1
5390 primary i&s nec	55	51	4	0	—
Subtotal primary non-ferrous metal products	841	639	200	2	1
5421 copper	133	112	20	0	0
5422 aluminum	121	63	57	0	1
5429 smelted prod. nec	73	53	20	0	0
5480 fab. metal products	515	411	103	1	0
Subtotal primary wood products	166	128	38	0	0
5540 primary wood prod.	166	128	38	0	0
Total food and farm products	6,450	5,157	1,267	17	8
Subtotal fish	210	157	49	4	1
6134 fish (not shellfish)	125	85	38	2	0
6136 shellfish	85	72	11	2	0
Subtotal grain	148	66	81	—	0
6241 wheat	7	0	6	—	—
6344 corn	71	1	71	—	—
6442 rice	68	65	3	—	0
6443 barley & rye	0	0	0	—	—
6445 oats	1	0	1	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	76	61	15	0	—
6521 peanuts	14	13	1	—	—
6522 soybeans	7	1	6	0	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	55	47	8	—	—
Subtotal vegetable products	980	800	173	6	1
6653 vegetable oils	401	383	18	0	0
6654 vegetables & prod.	579	417	155	6	0
Subtotal processed grain and animal feed	467	291	173	0	2
6746 wheat flour	4	2	3	0	—
6747 grain mill products	322	259	63	0	1
6781 hay & fodder	13	0	12	—	—
6782 animal feed, prep.	127	30	96	—	2
Subtotal other agricultural products	4,570	3,782	776	6	5
6811 meat, fresh, frozen	126	21	105	0	0
6817 meat, prepared	51	42	9	—	0
6822 dairy products	186	150	37	0	0
6835 fish, prepared	71	66	4	1	0
6838 tallow, animal oils	106	5	97	0	3
6839 animals & prod. nec	93	36	57	0	0
6856 bananas & plantains	256	256	0	—	0
6857 fruit & nuts nec	286	181	105	0	0
6858 fruit juices	466	428	38	0	0
6861 sugar	523	519	4	0	0
6865 molasses	31	31	0	—	—
6871 coffee	202	197	5	0	0
6872 cocoa beans	323	314	9	1	—
6885 alcoholic beverages	1,008	936	71	0	0
6888 water & ice	151	150	1	—	0
6889 food products nec	532	364	167	0	0
6891 tobacco & products	37	25	12	—	0
6893 cotton	22	3	19	—	—
6894 natural fibers nec	15	14	1	—	—
6899 farm products nec	84	45	36	3	—
Total all manufactured equipment, machinery and products	5,308	3,786	1,504	13	5
7110 machinery (not elec)	844	507	336	0	1
7120 electrical machinery	502	322	178	1	2
7210 vehicles & parts	1,136	785	341	9	0
7220 aircraft & parts	11	3	8	—	—
7230 ships & boats	9	3	6	0	0
7300 ordnance & access.	26	7	19	0	—
7400 manufac. wood prod.	83	58	24	0	0
7500 textile products	865	665	198	2	0
7600 rubber & plastic pr.	435	314	120	0	0
7900 manufac. prod. nec	1,397	1,122	272	0	2
Total unknown or not elsewhere classified	185	70	114	1	0
9900 unknown or nec	185	70	114	1	0
Ton-miles (x1000)	817,610	628,784	98,773	83,392	6,662
Foreign & Canadian					

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	25,003	19,516	4,695	39	754
Total coal	1,772	1,772	0	—	—
1100 coal lignite	1,772	1,772	0	—	—
1200 coal coke	0	—	0	—	—
Total petroleum and petroleum products	17,445	14,555	2,360	24	506
Subtotal crude petroleum	390	346	44	—	—
2100 crude petroleum	390	346	44	—	—
Subtotal petroleum products	17,055	14,209	2,316	24	506
2211 gasoline	4,184	3,041	801	1	340
2221 kerosene	98	70	28	—	—
2330 distillate fuel oil	4,580	3,980	446	23	132
2340 residual fuel oil	6,073	5,448	592	—	34
2350 lube oil & greases	410	395	15	—	—
2410 petro. jelly & waxes	96	48	49	—	—
2429 naphtha & solvents	244	166	79	—	—
2430 asphalt, tar & pitch	1,128	823	305	—	—
2540 petroleum coke	0	—	0	—	—
2640 liquid natural gas	0	0	0	—	—
2990 petro. products nec	241	239	1	—	—
Total chemicals and related products	2,873	2,221	652	—	—
Subtotal fertilizers	1	0	1	—	—
3110 nitrogenous fert.	0	—	0	—	—
3120 phosphatic fert.	0	—	0	—	—
3190 fert. & mixes nec	1	0	1	—	—
Subtotal other chemicals and related products	2,872	2,221	651	—	—
3211 acyclic hydrocarbons	5	5	0	—	—
3212 benzene & toluene	38	35	3	—	—
3219 other hydrocarbons	808	597	211	—	—
3220 alcohols	507	443	64	—	—
3230 carboxylic acids	139	130	10	—	—
3240 nitrogen func. comp.	9	9	0	—	—
3250 organo - inorg. comp.	2	2	0	—	—
3260 organic comp. nec	104	71	33	—	—
3272 sulphuric acid	4	—	4	—	—
3274 sodium hydroxide	450	308	143	—	—
3275 inorg. elem.oxides, & halogen salts	2	0	2	—	—
3276 metallic salts	10	10	0	—	—
3282 pigments & paints	1	0	1	—	—
3283 coloring mat. nec	1	—	1	—	—
3284 medicines	12	4	8	—	—
3285 perfumes & cleansers	17	7	9	—	—
3286 plastics	12	1	11	—	—
3291 pesticides	9	5	4	—	—
3292 starches, gluten, glue	5	1	4	—	—
3293 explosives	0	—	0	—	—
3297 chemical additives	657	558	99	—	—
3298 wood & resin chem.	27	13	13	—	—
3299 chem. products nec	52	21	31	—	—
Total crude materials, inedible except fuels	646	42	349	11	244
Subtotal forest products, wood and chips	5	2	3	—	—
4110 rubber & gums	0	0	0	—	—
4150 fuel wood	0	—	0	—	—
4170 wood in the rough	0	—	0	—	—
4189 lumber	4	2	2	—	—
4190 forest products nec	1	0	1	—	—
Subtotal pulp and waste paper	8	1	7	—	—
4225 pulp & waste paper	8	1	7	—	—
Subtotal soil, sand, gravel, rock and stone	292	38	1	9	244
4322 limestone	38	38	—	—	—
4331 sand & gravel	254	—	1	9	244
Subtotal iron ore and scrap	338	0	335	2	—
4410 iron ore	0	—	0	—	—
4420 iron & steel scrap	337	0	335	2	—
Subtotal marine shells	0	—	0	—	—
4515 marine shells	0	—	0	—	—
Subtotal non-ferrous ores and scrap	1	0	1	—	—
4630 copper ore	1	0	1	—	—
4680 non-ferrous scrap	0	0	—	—	—
4690 non-ferrous ores nec	0	0	—	—	—
Subtotal sulphur, clay and salt	0	—	0	—	—
4782 clay & refrac. mat.	0	—	0	—	—
Subtotal other non-metal. min.	1	0	1	—	—
4900 non-metal. min. nec	1	0	1	—	—
Total primary manufactured goods	731	85	638	4	4
Subtotal paper products	94	9	85	—	—
5110 newsprint	5	3	2	—	—

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
5120 paper & paperboard	84	6	78	—	—
5190 paper products nec	5	1	4	—	—
Subtotal lime, cement and glass	581	68	505	4	4
5220 cement & concrete	558	55	496	4	4
5240 glass & glass prod.	14	10	4	—	—
5290 misc. mineral prod.	9	3	6	—	—
Subtotal primary iron and steel products	14	1	13	—	—
5312 pig iron	1	—	1	—	—
5315 ferro alloys	0	0	—	—	—
5320 i&s primary forms	0	0	0	—	—
5330 i&s plates & sheets	1	0	0	—	—
5360 i&s bars & shapes	11	1	10	—	—
5370 i&s pipe & tube	1	—	1	—	—
5390 primary i&s nec	1	—	1	—	—
Subtotal primary non-ferrous metal products	41	7	34	—	—
5421 copper	6	1	6	—	—
5422 aluminum	1	0	0	—	—
5429 smelted prod. nec	1	0	1	—	—
5480 fab. metal products	34	6	28	—	—
Subtotal primary wood products	0	—	0	—	—
5540 primary wood prod.	0	—	0	—	—
Total food and farm products	888	655	233	0	—
Subtotal fish	2	0	2	0	—
6134 fish (not shellfish)	1	0	1	0	—
6136 shellfish	1	0	1	—	—
Subtotal grain	0	0	0	—	—
6241 wheat	0	0	0	—	—
6442 rice	0	0	0	—	—
6445 oats	0	—	0	—	—
Subtotal oilseeds	0	0	0	—	—
6521 peanuts	0	0	0	—	—
6522 soybeans	0	—	0	—	—
6590 oilseeds nec	0	0	0	—	—
Subtotal vegetable products	34	8	25	—	—
6653 vegetable oils	2	1	1	—	—
6654 vegetables & prod.	32	7	24	—	—
Subtotal processed grain and animal feed	7	4	3	—	—
6746 wheat flour	0	0	0	—	—
6747 grain mill products	5	4	1	—	—
6782 animal feed, prep.	2	0	2	—	—
Subtotal other agricultural products	844	642	202	—	—
6811 meat, fresh, frozen	6	2	4	—	—
6817 meat, prepared	11	0	11	—	—
6822 dairy products	7	4	4	—	—
6835 fish, prepared	5	5	0	—	—
6838 tallow, animal oils	0	—	0	—	—
6839 animals & prod. nec	10	0	10	—	—
6856 bananas & plantains	0	—	0	—	—
6857 fruit & nuts nec	27	12	16	—	—
6858 fruit juices	9	1	8	—	—
6861 sugar	468	468	0	—	—
6865 molasses	0	0	0	—	—
6871 coffee	4	0	4	—	—
6872 cocoa beans	20	14	7	—	—
6885 alcoholic beverages	223	116	107	—	—
6888 water & ice	15	7	8	—	—
6889 food products nec	32	11	20	—	—
6891 tobacco & products	4	4	1	—	—
6893 cotton	0	0	0	—	—
6894 natural fibers nec	0	0	0	—	—
6899 farm products nec	1	0	1	—	—
Total all manufactured equipment, machinery and products	638	184	454	—	—
7110 machinery (not elec)	22	4	18	—	—
7120 electrical machinery	12	3	9	—	—
7210 vehicles & parts	17	1	16	—	—
7220 aircraft & parts	1	0	1	—	—
7230 ships & boats	0	—	0	—	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	5	0	5	—	—
7500 textile products	14	2	13	—	—
7600 rubber & plastic pr.	24	2	22	—	—
7900 manufac. prod. nec	541	170	370	—	—

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total unknown or not elsewhere classified	11	2	9	—	—
9900 unknown or nec	11	2	9	—	—
Ton-miles (x1000) Domestic	174,892	136,209	35,203	99	3,381
Tons All Traffic (x1000)	87,896				
Ton-miles All Traffic (x1000)	992,502				

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
1989	148,590	1992	115,311	1995	119,342	1998	137,544
1990	140,020	1993	116,736	1996	131,601		
1991	126,861	1994	126,101	1997	135,266		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	61,547	47,584	7,516	5,935	512
Total coal	509	494	15	—	—
1100 coal lignite	508	494	14	—	—
1200 coal coke	1	0	1	—	—
Total petroleum and petroleum products	36,026	29,995	144	5,406	482
Subtotal crude petroleum	13,337	9,190	0	4,139	8
2100 crude petroleum	13,337	9,190	0	4,139	8
Subtotal petroleum products	22,688	20,805	143	1,267	474
2211 gasoline	4,833	4,701	1	108	23
2221 kerosene	371	317	17	37	—
2330 distillate fuel oil	6,898	6,456	37	304	101
2340 residual fuel oil	9,116	8,469	6	412	228
2350 lube oil & greases	44	3	41	0	0
2410 petro. jelly & waxes	33	24	8	—	0
2429 naphtha & solvents	1,187	698	11	356	122
2430 asphalt, tar & pitch	32	21	11	—	—
2540 petroleum coke	165	109	7	49	—
2640 liquid natural gas	9	5	5	—	—
Total chemicals and related products	3,816	2,588	1,191	24	14
Subtotal fertilizers	40	5	34	1	0
3110 nitrogenous fert.	4	2	2	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	2	1	1	—	—
3190 fert. & mixes nec	35	2	31	1	0
Subtotal other chemicals and related products	3,776	2,582	1,157	22	14
3211 acyclic hydrocarbons	15	5	10	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	70	40	30	—	0
3220 alcohols	544	450	62	22	10
3230 carboxylic acids	242	211	31	0	0
3240 nitrogen func. comp.	106	69	37	—	0
3250 organo - inorg. comp.	75	50	25	0	0
3260 organic comp. nec	712	687	25	—	0
3272 sulphuric acid	5	0	5	—	—
3273 ammonia	12	—	12	—	—
3274 sodium hydroxide	123	116	7	—	—
3275 inorg. elem.oxides, & halogen salts	134	83	48	0	2
3276 metallic salts	171	126	45	0	0
3279 inorganic chem. nec	12	8	4	—	—
3281 radioactive material	5	2	3	—	—
3282 pigments & paints	143	67	76	0	0
3283 coloring mat. nec	42	28	14	0	0
3284 medicines	53	29	25	0	0
3285 perfumes & cleansers	196	76	120	0	0
3286 plastics	714	342	372	0	0
3291 pesticides	25	10	15	—	—
3292 starches, gluten, glue	105	83	22	—	0
3293 explosives	1	1	1	—	—
3297 chemical additives	115	31	85	0	0
3298 wood & resin chem.	17	5	12	0	—
3299 chem. products nec	136	65	70	0	1

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total crude materials, inedible except fuels	4,511	1,530	2,525	457	0
Subtotal forest products, wood and chips	531	151	281	100	0
4110 rubber & gums	15	14	1	1	—
4150 fuel wood	3	1	2	—	—
4161 wood chips	3	—	3	—	—
4170 wood in the rough	45	6	39	—	—
4189 lumber	373	55	219	99	0
4190 forest products nec	92	76	17	0	—
Subtotal pulp and waste paper	1,108	13	1,095	0	—
4225 pulp & waste paper	1,108	13	1,095	0	—
Subtotal soil, sand, gravel, rock and stone	839	337	158	343	0
4310 building stone	92	91	1	—	—
4322 limestone	0	0	0	—	—
4323 gypsum	609	244	21	343	0
4327 phosphate rock	13	—	13	—	—
4331 sand & gravel	124	2	122	—	—
Subtotal iron ore and scrap	745	25	720	0	—
4410 iron ore	26	24	2	—	—
4420 iron & steel scrap	719	1	718	0	—
Subtotal marine shells	1	1	0	—	—
4515 marine shells	1	1	0	—	—
Subtotal non-ferrous ores and scrap	210	74	136	0	—
4630 copper ore	3	3	0	—	—
4650 aluminum ore	46	39	8	—	—
4670 manganese ore	21	—	21	—	—
4680 non-ferrous scrap	123	23	100	0	—
4690 non-ferrous ores nec	17	10	7	—	—
Subtotal sulphur, clay and salt	100	40	60	0	0
4741 sulphur, (dry)	3	0	3	—	—
4782 clay & refrac. mat.	97	39	57	0	0
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	976	888	75	13	0
4900 non-metal. min. nec	976	888	75	13	0
Total primary manufactured goods	4,850	3,996	834	18	3
Subtotal paper products	837	467	354	15	0
5110 newsprint	61	20	40	1	—
5120 paper & paperboard	661	401	246	14	0
5190 paper products nec	115	46	68	0	0
Subtotal lime, cement and glass	2,138	2,018	120	0	0
5210 lime	1	0	1	—	—
5220 cement & concrete	1,057	1,040	17	—	—
5240 glass & glass prod.	281	230	50	0	0
5290 misc. mineral prod.	800	748	51	0	0
Subtotal primary iron and steel products	867	744	121	0	1
5312 pig iron	494	475	20	—	0
5315 ferro alloys	23	19	4	—	—
5320 i&s primary forms	18	11	7	0	—
5330 i&s plates & sheets	128	64	64	0	0
5360 i&s bars & shapes	101	90	11	0	0
5370 i&s pipe & tube	47	35	11	0	1
5390 primary i&s nec	55	51	4	0	—
Subtotal primary non-ferrous metal products	841	639	200	2	1
5421 copper	133	112	20	0	0
5422 aluminum	121	63	57	0	1
5429 smelted prod. nec	73	53	20	0	0
5480 fab. metal products	515	411	103	1	0
Subtotal primary wood products	166	128	38	0	0
5540 primary wood prod.	166	128	38	0	0
Total food and farm products	6,361	5,126	1,209	17	8
Subtotal fish	210	157	49	4	1
6134 fish (not shellfish)	125	85	38	2	0
6136 shellfish	85	72	11	2	0
Subtotal grain	94	66	28	—	0
6241 wheat	3	0	3	—	—
6344 corn	22	1	21	—	—
6442 rice	68	65	3	—	0
6443 barley & rye	0	0	0	—	—
6445 oats	1	0	1	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	76	61	15	0	—
6521 peanuts	14	13	1	—	—
6522 soybeans	7	1	6	0	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	55	47	8	—	—
Subtotal vegetable products	980	800	173	6	1
6653 vegetable oils	401	383	18	0	0
6654 vegetables & prod.	579	417	155	6	0
Subtotal processed grain and animal feed	466	291	172	0	2
6746 wheat flour	4	2	3	0	—
6747 grain mill products	322	259	63	0	1

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
6781 hay & fodder	13	0	12	—	—
6782 animal feed, prep.	126	30	95	—	2
Subtotal other agricultural products	4,535	3,752	773	6	5
6811 meat, fresh, frozen	126	21	105	0	0
6817 meat, prepared	51	42	9	—	0
6822 dairy products	186	150	37	0	0
6835 fish, prepared	71	66	4	1	0
6838 tallow, animal oils	102	5	94	0	3
6839 animals & prod. nec	93	36	57	0	0
6856 bananas & plantains	256	256	0	—	0
6857 fruit & nuts nec	286	181	105	0	0
6858 fruit juices	466	428	38	0	0
6861 sugar	523	519	4	0	0
6865 molasses	0	0	0	—	—
6871 coffee	202	197	5	0	0
6872 cocoa beans	323	314	9	1	—
6885 alcoholic beverages	1,008	936	71	0	0
6888 water & ice	151	150	1	—	0
6889 food products nec	532	364	167	0	0
6891 tobacco & products	37	25	12	—	0
6893 cotton	22	3	19	—	—
6894 natural fibers nec	15	14	1	—	—
6899 farm products nec	84	45	36	3	—
Total all manufactured equipment, machinery and products	5,289	3,786	1,484	13	5
7110 machinery (not elec)	831	507	323	0	1
7120 electrical machinery	497	322	173	1	2
7210 vehicles & parts	1,136	785	341	9	0
7220 aircraft & parts	11	3	8	—	—
7230 ships & boats	9	3	6	0	0
7300 ordnance & access.	26	7	19	0	—
7400 manufac. wood prod.	83	58	24	0	0
7500 textile products	865	665	198	2	0
7600 rubber & plastic pr.	435	314	120	0	0
7900 manufac. prod. nec	1,396	1,122	272	0	2
Total unknown or not elsewhere classified	185	70	114	1	0
9900 unknown or nec	185	70	114	1	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	75,997	18,380	24,280	3,017	7,734	22,586
Total coal	787	787	0	—	—	—
1100 coal lignite	787	787	0	—	—	—
1200 coal coke	0	—	0	—	—	—
Total petroleum and petroleum products	61,872	14,103	22,001	32	7,724	18,012
Subtotal crude petroleum	871	579	47	—	—	245
2100 crude petroleum	871	579	47	—	—	245
Subtotal petroleum products	61,002	13,524	21,954	32	7,724	17,767
2211 gasoline	20,748	2,581	9,301	5	3,822	5,039
2221 kerosene	880	56	416	—	221	188
2330 distillate fuel oil	18,347	3,814	6,483	4	2,591	5,454
2340 residual fuel oil	18,397	5,847	5,027	23	939	6,562
2350 lube oil & greases	456	364	4	—	—	88
2410 petro. jelly & waxes	0	—	0	—	—	—
2429 naphtha & solvents	529	173	87	—	—	269
2430 asphalt, tar & pitch	1,396	450	634	—	150	162
2540 petroleum coke	0	—	0	—	—	—
2640 liquid natural gas	0	0	0	—	—	—
2990 petro. products nec	247	239	1	—	2	5
Total chemicals and related products	2,323	1,486	253	—	9	575
Subtotal fertilizers	1	0	1	—	—	—
3110 nitrogenous fert.	0	—	0	—	—	—
3120 phosphatic fert.	0	—	0	—	—	—
3190 fert. & mixes nec	1	0	1	—	—	—
Subtotal other chemicals and related products	2,322	1,486	252	—	9	575
3211 acyclic hydrocarbons	5	5	0	—	—	—
3212 benzene & toluene	33	33	0	—	—	—
3219 other hydrocarbons	155	155	0	—	—	—
3220 alcohols	381	371	10	—	—	—
3230 carboxylic acids	126	124	3	—	—	—
3240 nitrogen func. comp.	9	9	0	—	—	—
3250 organo - inorg. comp.	2	2	0	—	—	—
3260 organic comp. nec	56	49	7	—	—	—

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
3272 sulphuric acid	9	—	4	—	5	—
3274 sodium hydroxide	254	157	20	—	—	77
3275 inorg. elem., oxides, & halogen salts	2	0	2	—	—	—
3276 metallic salts	41	10	29	—	3	—
3282 pigments & paints	1	0	1	—	—	—
3283 coloring mat. nec	1	—	1	—	—	—
3284 medicines	12	4	8	—	—	—
3285 perfumes & cleansers	17	7	9	—	—	—
3286 plastics	12	1	11	—	—	—
3291 pesticides	9	5	4	—	—	—
3292 starches, gluten, glue	5	1	4	—	—	—
3293 explosives	0	—	0	—	—	—
3297 chemical additives	1,122	530	104	—	—	488
3298 wood & resin chem.	6	1	5	—	—	—
3299 chem. products nec	64	21	31	—	2	10
Total crude materials, inedible except fuels	4,991	875	854	2,589	0	673
Subtotal forest products, wood and chips	9	2	3	—	0	3
4110 rubber & gums	0	0	0	—	—	—
4150 fuel wood	0	—	0	—	—	—
4170 wood in the rough	3	—	0	—	0	3
4189 lumber	4	2	2	—	—	—
4190 forest products nec	1	0	1	—	—	—
Subtotal pulp and waste paper	8	1	7	—	—	—
4225 pulp & waste paper	8	1	7	—	—	—
Subtotal soil, sand, gravel, rock and stone	4,283	840	507	2,584	—	352
4331 sand & gravel	4,283	840	507	2,584	—	352
Subtotal iron ore and scrap	689	31	335	5	—	317
4410 iron ore	0	—	0	—	—	—
4420 iron & steel scrap	689	31	335	5	—	317
Subtotal marine shells	0	—	0	—	—	—
4515 marine shells	0	—	0	—	—	—
Subtotal non-ferrous ores and scrap	1	0	1	—	—	—
4630 copper ore	1	0	1	—	—	—
4680 non-ferrous scrap	0	0	—	—	—	—
4690 non-ferrous ores nec	0	0	—	—	—	—
Subtotal sulphur, clay and salt	0	—	0	—	—	—
4782 clay & refrac. mat.	0	—	0	—	—	—
Subtotal other non-metal. min.	1	0	1	—	—	—
4900 non-metal. min. nec	1	0	1	—	—	—
Total primary manufactured goods	674	85	193	396	—	—
Subtotal paper products	94	9	85	—	—	—
5110 newsprint	5	3	2	—	—	—
5120 paper & paperboard	84	6	78	—	—	—
5190 paper products nec	5	1	4	—	—	—
Subtotal lime, cement and glass	524	68	60	396	—	—
5220 cement & concrete	501	55	50	396	—	—
5240 glass & glass prod.	14	10	4	—	—	—
5290 misc. mineral prod.	9	3	6	—	—	—
Subtotal primary iron and steel products	14	1	13	—	—	—
5312 pig iron	1	—	1	—	—	—
5315 ferro alloys	0	0	—	—	—	—
5320 i&s primary forms	0	0	0	—	—	—
5330 i&s plates & sheets	1	0	0	—	—	—
5360 i&s bars & shapes	11	1	10	—	—	—
5370 i&s pipe & tube	1	—	1	—	—	—
5390 primary i&s nec	1	—	1	—	—	—
Subtotal primary non-ferrous metal products	41	7	34	—	—	—
5421 copper	6	1	6	—	—	—
5422 aluminum	1	0	0	—	—	—
5429 smelted prod. nec	1	0	1	—	—	—
5480 fab. metal products	34	6	28	—	—	—
Subtotal primary wood products	0	—	0	—	—	—
5540 primary wood prod.	0	—	0	—	—	—
Total food and farm products	927	655	233	0	—	39
Subtotal fish	2	0	2	0	—	—
6134 fish (not shellfish)	1	0	1	0	—	—
6136 shellfish	1	0	1	—	—	—
Subtotal grain	0	0	0	—	—	—
6241 wheat	0	0	0	—	—	—
6442 rice	0	0	0	—	—	—
6445 oats	0	—	0	—	—	—
Subtotal oilseeds	0	0	0	—	—	—
6521 peanuts	0	0	0	—	—	—
6522 soybeans	0	—	0	—	—	—
6590 oilseeds nec	0	0	0	—	—	—
Subtotal vegetable products	49	8	25	—	—	16
6653 vegetable oils	18	1	1	—	—	16
6654 vegetables & prod.	32	7	24	—	—	—

CONSOLIDATED STATEMENT OF WATERBORNE COMMERCE OF THE PORT OF NEW YORK
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal processed grain and animal feed	7	4	3	---	---	---
6746 wheat flour	0	0	0	---	---	---
6747 grain mill products	5	4	1	---	---	---
6782 animal feed, prep.	2	0	2	---	---	---
Subtotal other agricultural products	868	642	202	---	---	23
6811 meat, fresh, frozen	6	2	4	---	---	---
6817 meat, prepared	11	0	11	---	---	---
6822 dairy products	7	4	4	---	---	---
6835 fish, prepared	5	5	0	---	---	---
6838 tallow, animal oils	0	---	0	---	---	---
6839 animals & prod. nec	10	0	10	---	---	---
6856 bananas & plantains	0	---	0	---	---	---
6857 fruit & nuts nec	27	12	16	---	---	---
6858 fruit juices	9	1	8	---	---	---
6861 sugar	468	468	0	---	---	---
6865 molasses	0	0	0	---	---	---
6871 coffee	4	0	4	---	---	---
6872 cocoa beans	44	14	7	---	---	23
6885 alcoholic beverages	223	116	107	---	---	---
6888 water & ice	15	7	8	---	---	---
6889 food products nec	32	11	20	---	---	---
6891 tobacco & products	4	4	1	---	---	---
6893 cotton	0	0	0	---	---	---
6894 natural fibers nec	0	0	0	---	---	---
6899 farm products nec	1	0	1	---	---	---
Total all manufactured equipment, machinery and products	1,371	387	737	---	---	247
7110 machinery (not elec)	23	4	18	---	---	---
7120 electrical machinery	12	3	9	---	---	---
7210 vehicles & parts	17	1	16	---	---	---
7220 aircraft & parts	1	0	1	---	---	---
7230 ships & boats	0	---	0	---	---	---
7300 ordnance & access.	0	0	0	---	---	---
7400 manufac. wood prod.	5	0	5	---	---	---
7500 textile products	14	2	13	---	---	---
7600 rubber & plastic pr.	24	2	22	---	---	---
7900 manufac. prod. nec	1,274	374	653	---	---	247
Total waste and scrap nec	3,040	---	---	---	---	3,040
8900 waste and scrap nec	3,040	---	---	---	---	3,040
Total unknown or not elsewhere classified	11	2	9	---	---	---
9900 unknown or nec	11	2	9	---	---	---

*Includes 960 (x1000) tons of foreign inbound in-transits; Includes 611 (x1000) tons of foreign outbound in-transits;
Includes 328 (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, 1998
(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	34	5	—	4	262	—	306	0.20	2,113
BRONX RIVER, NY	—	—	0	—	101	—	102	0.07	—
BUTTERMILK CHANNEL, NY	716	265	—	—	90	—	1,071	0.69	32,676
CHEESEQUAKE CREEK, NJ	—	—	—	—	—	—	—	0.00	—
CONEY ISLAND CHANNEL, NY	—	—	—	—	—	—	—	0.00	528
CONEY ISLAND CREEK, NY	—	—	—	—	2	—	2	0.00	—
EAST CHESTER CREEK, NY	—	—	612	—	580	—	1,192	0.77	—
EAST RIVER, NY	1,031	7	1,348	41	2,142	330	4,899	3.18	30,565
EAST ROCKAWAY INLET, NY	—	—	—	—	—	—	—	0.00	647
ECHO BAY HARBOR, NY	—	—	—	—	—	—	—	0.00	—
ELIZABETH RIVER, NJ	—	—	—	—	—	—	—	0.00	—
FLUSHING BAY AND CREEK, NY	—	—	59	1	2,204	—	2,264	1.47	—
GOWANUS CANAL, NY	—	—	4	—	418	—	422	0.27	—
GOWANUS CREEK CHANNEL, NY	93	—	255	50	1,295	—	1,692	1.10	422
GRAVESEND BAY, NY	1,474	—	69	8	717	—	2,268	1.47	2
GREAT KILLS HARBOR, STATEN ISLAND, NY	—	—	—	—	—	—	—	0.00	—
HACKENSACK RIVER, NJ	11	—	864	48	401	—	1,325	0.86	—
HARLEM RIVER, NY	—	—	—	—	0	—	0	0.00	—
HUDSON RIVER CHANNEL, NY AND NJ	141	27	—	—	959	—	1,127	0.73	17,726
HUDSON RIVER, NY (LOWER SECTION)	39	—	361	—	21	—	420	0.27	17,306
JAMAICA BAY, NY	—	—	1	—	674	—	675	0.44	—
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	—	—	—	—	69	—	69	0.05	—
NEW ROCHELLE HARBOR, NY	—	—	—	—	—	—	—	0.00	—
NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ	13,694	921	12,081	20,864	22,293	5,397	75,248	48.83	20,575
NEWARK BAY, NJ	9,972	5,098	703	1,265	896	278	18,212	11.82	3,165
NEWTOWN CREEK, NY	73	—	12	—	1,386	—	1,471	0.95	—
PASSAIC RIVER, NJ	5	—	142	99	1,660	6	1,912	1.24	—
PORT CHESTER HARBOR, NY	—	—	126	—	54	—	179	0.12	—
RAHWAY RIVER, NJ	—	—	—	—	—	—	—	0.00	—
RARITAN RIVER TO ARTHUR KILL CUT OFF CHANNEL, NJ	—	—	—	—	—	—	—	0.00	1,776
RARITAN RIVER, NJ	—	—	458	743	1,110	—	2,311	1.50	—
SANDY HOOK BAY AT LEONARDO, NJ	—	—	—	—	—	—	—	0.00	—
SANDY HOOK BAY, NJ	—	—	—	—	46	—	46	0.03	—
SHEEPSHEAD BAY, NY	—	—	—	—	—	—	—	0.00	—
SHOAL HARBOR AND COMPTON CREEK, NJ	—	—	—	—	0	—	0	0.00	—
UPPER BAY, NEW YORK HARBOR, NY AND NJ	26,236	1,704	1,282	1,157	6,293	4	36,677	23.80	84,870
WALLABOUT CHANNEL, NY	—	—	—	—	—	—	—	0.00	—
WAYCAKE CREEK, NJ	—	—	—	—	—	—	—	0.00	—
WESTCHESTER CREEK, NY	—	—	—	—	222	—	222	0.14	—
TOTAL (UNADJUSTED)	53,519	8,028	18,376	24,280	43,895	6,014	154,112	—	—
PERCENT (UNADJUSTED)	34.73	5.21	11.92	15.75	28.48	3.90	—	100.00	—
NET VOLUME OF TONNAGE FOR THE AREA	53,519	8,028	18,380	24,280	10,751	22,586	137,544	—	—
PERCENT (ADJUSTED)	38.91	5.84	13.36	17.65	7.82	16.42	—	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
1989	18,511	1992	15,468	1995	14,592	1998	18,031
1990	16,402	1993	15,730	1996	15,529		
1991	16,085	1994	15,331	1997	17,309		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports*	Imports
Total, all commodities	1,385	823	82	480
Total petroleum and petroleum products	110	110	---	---
Subtotal petroleum products	110	110	---	---
2211 gasoline	16	16	---	---
2340 residual fuel oil	31	31	---	---
2540 petroleum coke	63	63	---	---
Total chemicals and related products	9	9	0	---
Subtotal fertilizers	9	9	---	---
3110 nitrogenous fert.	9	9	---	---
Subtotal other chemicals and related products	0	---	0	---
3276 metallic salts	0	---	0	---
3284 medicines	0	---	0	---
3285 perfumes & cleansers	0	---	0	---
3286 plastics	0	---	0	---
3292 starches, gluten, glue	0	---	0	---
3299 chem. products nec	0	---	0	---
Total crude materials, inedible except fuels	840	356	5	480
Subtotal forest products, wood and chips	4	---	4	---
4170 wood in the rough	4	---	4	---
4189 lumber	0	---	0	---
Subtotal pulp and waste paper	31	31	0	---
4225 pulp & waste paper	31	31	0	---
Subtotal soil, sand, gravel, rock and stone	402	30	---	372
4323 gypsum	402	30	---	372
Subtotal non-ferrous ores and scrap	59	59	---	---
4650 aluminum ore	59	59	---	---
Subtotal slag	46	46	---	---
4860 slag	46	46	---	---
Subtotal other non-metal. min.	298	190	---	108
4900 non-metal. min. nec	298	190	---	108
Total primary manufactured goods	279	279	0	---
Subtotal paper products	0	---	0	---
5190 paper products nec	0	---	0	---
Subtotal lime, cement and glass	279	279	---	---
5220 cement & concrete	279	279	---	---
Subtotal primary iron and steel products	0	---	0	---
5360 i&s bars & shapes	0	---	0	---
5370 i&s pipe & tube	0	---	0	---
Subtotal primary non-ferrous metal products	0	---	0	---
5480 fab. metal products	0	---	0	---
Total food and farm products	127	69	58	---
Subtotal grain	54	---	54	---
6241 wheat	4	---	4	---
6344 corn	50	---	50	---
Subtotal processed grain and animal feed	1	---	1	---
6747 grain mill products	0	---	0	---
6782 animal feed, prep.	1	---	1	---
Subtotal other agricultural products	73	69	4	---
6838 tallow, animal oils	3	---	3	---
6861 sugar	39	39	---	---
6865 molasses	31	31	---	---
6885 alcoholic beverages	0	---	0	---
Total all manufactured equipment, machinery and products	19	0	19	---
7110 machinery (not elec)	14	---	14	---
7120 electrical machinery	5	0	5	---
7210 vehicles & parts	0	---	0	---
7500 textile products	0	0	---	---
7600 rubber & plastic pr.	0	0	0	---
7900 manufac. prod. nec	0	---	0	---

HUDSON RIVER, NY, MOUTH OF SPUYTEN DUYPIL CREEK (HARLEM RIVER) TO WATERFORD, NY
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports*	Imports
Total unknown or not elsewhere classified	0	—	0	—
9900 unknown or nec	0	—	0	—
Ton-miles (x1000) Foreign & Canadian	148,793	89,847	9,170	49,775

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	16,646	2,411	3,158	7,755	3,017	81	224
Total coal	349	349	—	—	—	—	—
1100 coal lignite	349	349	—	—	—	—	—
Total petroleum and petroleum products	9,599	1,701	6	7,745	32	81	33
Subtotal petroleum products	9,599	1,701	6	7,745	32	81	33
2211 gasoline	4,318	491	—	3,822	5	—	1
2221 kerosene	241	14	—	221	—	6	—
2330 distillate fuel oil	2,969	245	—	2,612	4	75	32
2340 residual fuel oil	1,593	625	6	939	23	—	—
2430 asphalt, tar & pitch	476	327	—	150	—	—	—
2990 petro. products nec	2	—	—	2	—	—	—
Total chemicals and related products	9	—	—	9	—	—	—
Subtotal other chemicals and related products	9	—	—	9	—	—	—
3272 sulphuric acid	5	—	—	5	—	—	—
3276 metallic salts	3	—	—	3	—	—	—
3299 chem. products nec	2	—	—	2	—	—	—
Total crude materials, inedible except fuels	4,347	—	1,568	0	2,589	—	190
Subtotal forest products, wood and chips	0	—	—	0	—	—	—
4170 wood in the rough	0	—	—	0	—	—	—
Subtotal soil, sand, gravel, rock and stone	4,341	—	1,568	—	2,584	—	190
4331 sand & gravel	4,341	—	1,568	—	2,584	—	190
Subtotal iron ore and scrap	5	—	—	—	5	—	—
4420 iron & steel scrap	5	—	—	—	5	—	—
Total primary manufactured goods	1,981	—	1,585	—	396	—	—
Subtotal lime, cement and glass	1,981	—	1,585	—	396	—	—
5220 cement & concrete	1,981	—	1,585	—	396	—	—
Total food and farm products	361	361	—	—	—	—	—
Subtotal other agricultural products	361	361	—	—	—	—	—
6861 sugar	361	361	—	—	—	—	—
Total all manufactured equipment, machinery and products	1	0	—	—	—	—	1
7110 machinery (not elec)	1	0	—	—	—	—	1
Ton-miles (x1000) Domestic	1,126,115	160,003	215,548	628,919	110,571	3,081	7,993
Tons All Traffic (x1000)	18,031						
Ton-miles All Traffic (x1000)	1,274,907						

*Includes 1 (x1000) tons of foreign outbound 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
1989	21,355	1992	16,950	1995	15,822	1998	19,158
1990	19,288	1993	17,529	1996	17,473		
1991	18,665	1994	16,732	1997	18,630		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
Total, all commodities	1,553	964	109	480
Total coal	38	38	—	—
1100 coal lignite	38	38	—	—
Total petroleum and petroleum products	111	110	1	—
Subtotal petroleum products	111	110	1	—
2211 gasoline	16	16	—	—
2340 residual fuel oil	31	31	—	—
2350 lube oil & greases	1	—	1	—
2410 petro. jelly & waxes	0	—	0	—
2429 naphtha & solvents	0	—	0	—
2540 petroleum coke	63	63	—	—
Total chemicals and related products	12	10	2	—
Subtotal fertilizers	9	9	—	—
3110 nitrogenous fert.	9	9	—	—
Subtotal other chemicals and related products	3	1	2	—
3219 other hydrocarbons	0	—	0	—
3220 alcohols	0	—	0	—
3230 carboxylic acids	0	0	0	—
3240 nitrogen func. comp.	0	0	0	—
3250 organo - inorg. comp.	0	0	0	—
3260 organic comp. nec	0	0	0	—
3275 inorg. elem.oxides, & halogen salts	0	—	0	—
3276 metallic salts	0	—	0	—
3279 inorganic chem. nec	0	0	0	—
3282 pigments & paints	0	0	0	—
3283 coloring mat. nec	0	—	0	—
3284 medicines	0	0	0	—
3285 perfumes & cleansers	0	0	0	—
3286 plastics	1	0	0	—
3291 pesticides	0	—	0	—
3292 starches, gluten, glue	0	0	0	—
3297 chemical additives	0	—	0	—
3298 wood & resin chem.	0	—	0	—
3299 chem. products nec	0	0	0	—
Total crude materials, inedible except fuels	841	356	6	480
Subtotal forest products, wood and chips	4	0	4	—
4170 wood in the rough	4	—	4	—
4189 lumber	0	—	0	—
4190 forest products nec	0	0	0	—
Subtotal pulp and waste paper	31	31	1	—
4225 pulp & waste paper	31	31	1	—
Subtotal soil, sand, gravel, rock and stone	402	30	0	372
4323 gypsum	402	30	—	372
4331 sand & gravel	0	—	0	—
Subtotal iron ore and scrap	0	—	0	—
4420 iron & steel scrap	0	—	0	—
Subtotal non-ferrous ores and scrap	60	59	0	—
4650 aluminum ore	59	59	0	—
4680 non-ferrous scrap	0	—	0	—
Subtotal sulphur, clay and salt	0	—	0	—
4782 clay & refrac. mat.	0	—	0	—
Subtotal slag	46	46	—	—
4860 slag	46	46	—	—
Subtotal other non-metal. min.	298	190	—	108
4900 non-metal. min. nec	298	190	—	108
Total primary manufactured goods	352	350	2	—
Subtotal paper products	1	1	0	—
5120 paper & paperboard	1	0	0	—
5190 paper products nec	0	0	0	—
Subtotal lime, cement and glass	350	349	0	—
5220 cement & concrete	349	349	—	—
5240 glass & glass prod.	0	0	0	—
5290 misc. mineral prod.	0	0	0	—
Subtotal primary iron and steel products	0	0	0	—
5312 pig iron	0	—	0	—
5330 i&s plates & sheets	0	0	0	—
5360 i&s bars & shapes	0	—	0	—
5370 i&s pipe & tube	0	0	0	—

HUDSON RIVER, NY, DEEPWATER IN UPPER BAY, NY TO WATERFORD, NY (CONSOLIDATED REPORT)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
5390 primary i&s nec	0	—	0	—
Subtotal primary non-ferrous metal products	1	0	1	—
5421 copper	0	—	0	—
5422 aluminum	1	—	1	—
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	141	70	71	—
Subtotal fish	0	0	0	—
6134 fish (not shellfish)	0	0	0	—
6136 shellfish	0	0	—	—
Subtotal grain	54	—	54	—
6241 wheat	4	—	4	—
6344 corn	50	—	50	—
Subtotal oilseeds	0	—	0	—
6534 flaxseed	0	—	0	—
6590 oilseeds nec	0	—	0	—
Subtotal vegetable products	1	0	1	—
6653 vegetable oils	0	0	—	—
6654 vegetables & prod.	1	0	1	—
Subtotal processed grain and animal feed	1	0	1	—
6747 grain mill products	0	0	0	—
6782 animal feed, prep.	1	—	1	—
Subtotal other agricultural products	86	70	16	—
6811 meat, fresh, frozen	0	—	0	—
6817 meat, prepared	0	—	0	—
6822 dairy products	0	0	0	—
6835 fish, prepared	0	0	0	—
6838 tallow, animal oils	14	—	14	—
6839 animals & prod. nec	0	0	0	—
6857 fruit & nuts nec	0	0	0	—
6858 fruit juices	0	0	0	—
6861 sugar	39	39	—	—
6865 molasses	31	31	—	—
6871 coffee	0	0	—	—
6872 cocoa beans	0	—	0	—
6885 alcoholic beverages	1	—	1	—
6889 food products nec	0	0	0	—
6891 tobacco & products	0	—	0	—
6893 cotton	0	—	0	—
6894 natural fibers nec	0	0	—	—
6899 farm products nec	0	0	0	—
Total all manufactured equipment, machinery and products	58	31	27	0
7110 machinery (not elec)	17	2	15	—
7120 electrical machinery	6	0	5	—
7210 vehicles & parts	31	26	5	—
7220 aircraft & parts	0	—	0	—
7230 ships & boats	0	0	0	—
7300 ordnance & access.	0	—	0	—
7400 manufac. wood prod.	0	0	0	—
7500 textile products	1	0	0	0
7600 rubber & plastic pr.	1	1	0	—
7900 manufac. prod. nec	2	1	1	—
Total unknown or not elsewhere classified	0	0	0	—
9900 unknown or nec	0	0	0	—
Ton-miles (x1000)	149,489	90,424	9,290	49,775
Foreign & Canadian				

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound	Outbound	Intra	
				Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	17,605	2,411	3,158	8,044	3,687	81	224
Total coal	349	349	—	—	—	—	—
1100 coal lignite	349	349	—	—	—	—	—
Total petroleum and petroleum products	9,889	1,701	6	8,034	33	81	33
Subtotal petroleum products	9,889	1,701	6	8,034	33	81	33
2211 gasoline	4,327	491	—	3,830	5	—	1
2221 kerosene	276	14	—	256	—	6	—
2330 distillate fuel oil	3,050	245	—	2,693	4	75	32
2340 residual fuel oil	1,757	625	6	1,103	23	—	—
2350 lube oil & greases	1	—	—	1	—	—	—

HUDSON RIVER, NY, DEEPWATER IN UPPER BAY, NY TO WATERFORD, NY (CONSOLIDATED REPORT)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound	Intra Downbnd
2430 asphalt, tar & pitch	476	327	—	150	—	—	—
2990 petro. products nec	3	—	—	2	1	—	—
Total chemicals and related products	9	—	—	9	—	—	—
Subtotal other chemicals and related products	9	—	—	9	—	—	—
3272 sulphuric acid	5	—	—	5	—	—	—
3276 metallic salts	3	—	—	3	—	—	—
3299 chem. products nec	2	—	—	2	—	—	—
Total crude materials, inedible except fuels	4,354	—	1,568	0	2,596	—	190
Subtotal forest products, wood and chips	0	—	—	0	—	—	—
4170 wood in the rough	0	—	—	0	—	—	—
Subtotal soil, sand, gravel, rock and stone	4,341	—	1,568	—	2,584	—	190
4331 sand & gravel	4,341	—	1,568	—	2,584	—	190
Subtotal iron ore and scrap	12	—	—	—	12	—	—
4420 iron & steel scrap	12	—	—	—	12	—	—
Total primary manufactured goods	1,981	—	1,585	—	396	—	—
Subtotal lime, cement and glass	1,981	—	1,585	—	396	—	—
5220 cement & concrete	1,981	—	1,585	—	396	—	—
Total food and farm products	361	361	—	—	—	—	—
Subtotal other agricultural products	361	361	—	—	—	—	—
6861 sugar	361	361	—	—	—	—	—
Total all manufactured equipment, machinery and products	1	0	—	—	—	—	1
7110 machinery (not elec)	1	0	—	—	—	—	1
Total waste and scrap nec	662	—	—	—	662	—	—
8900 waste and scrap nec	662	—	—	—	662	—	—
Ton-miles (x1000)	1,133,676	160,003	215,548	631,108	115,943	3,081	7,993
Domestic							
Tons All Traffic (x1000)	19,158						
Ton-miles All Traffic (x1000)	1,283,165						

*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 3 (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
1989	7,325	1992	5,674	1995	5,803	1998	6,723
1990	7,117	1993	6,053	1996	5,768		
1991	5,967	1994	6,107	1997	6,819		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports*	Imports	Total	Coastwise Receipts	Internal		
							Receipts	Shipments	Intraport
Total, all commodities	6,723	740	78	390	5,515	1,056	4,378	5	75
Total petroleum and petroleum products	5,610	110	—	—	5,500	1,056	4,369	—	75
Subtotal petroleum products	5,610	110	—	—	5,500	1,056	4,369	—	75
2211 gasoline	2,780	16	—	—	2,764	433	2,330	—	1

PORT OF ALBANY, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports*	Imports	Total	Coastwise	Internal		
					Receipts	Receipts	Shipments	Intraport	
2221 kerosene	182	—	—	—	182	10	172	—	—
2330 distillate fuel oil	1,715	—	—	—	1,715	196	1,445	—	74
2340 residual fuel oil	678	31	—	—	648	242	405	—	—
2430 asphalt, tar & pitch	190	—	—	—	190	175	15	—	—
2540 petroleum coke	63	63	—	—	—	—	—	—	—
2990 petro. products nec	2	—	—	—	2	—	2	—	—
Total chemicals and related products	18	9	0	—	9	—	9	—	—
Subtotal fertilizers	9	9	—	—	—	—	—	—	—
3110 nitrogenous fert.	9	9	—	—	—	—	—	—	—
Subtotal other chemicals and related products	9	—	0	—	9	—	9	—	—
3272 sulphuric acid	5	—	—	—	5	—	5	—	—
3276 metallic salts	3	—	—	—	3	—	3	—	—
3286 plastics	0	—	0	—	—	—	—	—	—
3299 chem. products nec	2	—	—	—	2	—	2	—	—
Total crude materials, inedible except fuels	712	311	4	390	5	—	—	5	—
Subtotal forest products, wood and chips	4	—	4	—	—	—	—	—	—
4170 wood in the rough	4	—	4	—	—	—	—	—	—
4189 lumber	0	—	0	—	—	—	—	—	—
Subtotal pulp and waste paper	31	31	0	—	—	—	—	—	—
4225 pulp & waste paper	31	31	0	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	312	30	—	282	—	—	—	—	—
4323 gypsum	312	30	—	282	—	—	—	—	—
Subtotal iron ore and scrap	5	—	—	—	5	—	—	5	—
4420 iron & steel scrap	5	—	—	—	5	—	—	5	—
Subtotal non-ferrous ores and scrap	32	32	—	—	—	—	—	—	—
4650 aluminum ore	32	32	—	—	—	—	—	—	—
Subtotal slag	28	28	—	—	—	—	—	—	—
4860 slag	28	28	—	—	—	—	—	—	—
Subtotal other non-metal. min.	298	190	—	108	—	—	—	—	—
4900 non-metal. min. nec	298	190	—	108	—	—	—	—	—
Total primary manufactured goods	279	279	0	—	—	—	—	—	—
Subtotal lime, cement and glass	279	279	—	—	—	—	—	—	—
5220 cement & concrete	279	279	—	—	—	—	—	—	—
Subtotal primary iron and steel products	0	—	0	—	—	—	—	—	—
5360 i&s bars & shapes	0	—	0	—	—	—	—	—	—
5370 i&s pipe & tube	0	—	0	—	—	—	—	—	—
Subtotal primary non-ferrous metal products	0	—	0	—	—	—	—	—	—
5480 fab. metal products	0	—	0	—	—	—	—	—	—

PORT OF ALBANY, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports*	Imports	Total	Coastwise	Internal		
					Receipts	Receipts	Shipments	Intraport	
Total food and farm products	85	31	54	---	---	---	---	---	---
Subtotal grain	54	---	54	---	---	---	---	---	---
6241 wheat	4	---	4	---	---	---	---	---	---
6344 corn	50	---	50	---	---	---	---	---	---
Subtotal processed grain and animal feed	1	---	1	---	---	---	---	---	---
6782 animal feed, prep.	1	---	1	---	---	---	---	---	---
Subtotal other agricultural products	31	31	---	---	---	---	---	---	---
6865 molasses	31	31	---	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	19	0	19	---	---	---	---	---	---
7110 machinery (not elec)	14	---	14	---	---	---	---	---	---
7120 electrical machinery	5	0	5	---	---	---	---	---	---
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	---	---	---	---	---	---

*Includes 1 (x1000) tons of foreign outbound 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
1989	1,293	1992	678	1995	1,051	1998	1,327
1990	1,018	1993	835	1996	1,521		
1991	782	1994	1,094	1997	1,510		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total*	Coastwise Receipts
Total, all commodities	1,113	1,113
Total petroleum and petroleum products	501	501
Subtotal petroleum products	501	501
2211 gasoline	435	435
2221 kerosene	3	3
2330 distillate fuel oil	63	63
Total crude materials, inedible except fuels	612	612
Subtotal soil, sand, gravel, rock and stone	610	610
4331 sand & gravel	610	610
Subtotal other non-metal. min.	2	2
4900 non-metal. min. nec	2	2

*Does not include 214 (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
1989	2,801	1992	2,354	1995	2,018	1998	2,842
1990	2,998	1993	2,433	1996	2,988		
1991	2,232	1994	2,101	1997	2,793		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Total, all commodities	2,842	2,819	23
Total petroleum and petroleum products	2,539	2,517	23
Subtotal petroleum products	2,539	2,517	23
2211 gasoline	1,047	1,047	—
2221 kerosene	39	39	—
2330 distillate fuel oil	1,140	1,140	—
2340 residual fuel oil	314	292	23
Total crude materials, inedible except fuels	302	302	—
Subtotal soil, sand, gravel, rock and stone	302	302	—
4331 sand & gravel	302	302	—
Total food and farm products	0	—	0
Subtotal other agricultural products	0	—	0
6887 groceries	0	—	0
Total all manufactured equipment, machinery and products	0	—	0
7110 machinery (not elec)	0	—	0

Other Harbors and Waterways 1998

Harbor or Waterway Project	Commodity	Thousand Short Tons
BRONX RIVER, NY (INCLUDED IN PORT OF NEW YORK)	4331 sand & gravel	71
	4420 iron & steel scrap	30
	Total Tons(x1000)	102
	Total Ton-miles(x1000)	203
BROWNS CREEK, NY	7900 manufac. prod. nec	0
	8900 waste and scrap nec	4
	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	214
	Total Tons(x1000)	214
	Total Ton-miles(x1000)	214
GLEN COVE HARBOR, NY	No Commerce Reported	
GREAT KILLS HARBOR, STATEN ISLAND, NY (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
GREAT SOUTH BAY, NY (INCLUDING STATISTICS FOR PATCHOQUE RIVER, NY)	2211 gasoline	1
	7900 manufac. prod. nec	9
	8900 waste and scrap nec	4
	9900 unknown or nec	1
	Total Tons(x1000)	15
	Total Ton-miles(x1000)	227
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	
LAKE MONTAUK HARBOR, NY	No Commerce Reported	

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
LARCHMONT HARBOR, NY (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
LEMON CREEK, STATEN ISLAND, NY (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
LONG ISLAND INTRACOASTAL WATERWAY, NY	2211 gasoline	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	26
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	69
	Total Tons(x1000)	69
	Total Ton-miles(x1000)	261
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	0
	7110 machinery (not elec)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
PEEKSKILL HARBOR, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)	No Commerce Reported	
PORT CHESTER HARBOR, NY (INCLUDED IN PORT OF NEW YORK)	2330 distillate fuel oil	54
	4331 sand & gravel	126
	Total Tons(x1000)	179
	Total Ton-miles(x1000)	179
PORT HENRY HARBOR, NY	No Commerce Reported	
RAHWAY RIVER, NJ (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
RONDOUT HARBOR, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)	2330 distillate fuel oil	43
	Total Tons(x1000)	43
ROUSES POINT, NY	No Commerce Reported	
SAG HARBOR, NY	No Commerce Reported	

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SANDY HOOK BAY AT LEONARDO, NJ (INCLUDED IN PORT OF NEW YORK)	No Commerce Reported	
SANDY HOOK BAY, NJ	No Commerce Reported	
SANDY HOOK CHANNEL, NY	No Commerce Reported	
SAUGERTIES HARBOR, NY (INCLUDED IN STATISTICS FOR HUDSON RIVER)	No Commerce Reported	
SHARK RIVER, NJ	No Commerce Reported	
SHEEPSHEAD BAY, NY	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)	4331 sand & gravel	190
	Total Tons(x1000)	190
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	0
	2330 distillate fuel oil	217
	2340 residual fuel oil	5
	Total Tons(x1000)	222
	Total Ton-miles(x1000)	578
Non-project		
GOWANUS CANAL, NY (INCLUDED IN PORT OF NEW YORK)	2221 kerosene	1
	2330 distillate fuel oil	178
	2340 residual fuel oil	68
	4331 sand & gravel	175
	Total Tons(x1000)	422
	Total Ton-miles(x1000)	572
GRAVESEND BAY, NY (INCLUDED IN PORT OF NEW YORK)	2100 crude petroleum	1,092
	2211 gasoline	328
	2330 distillate fuel oil	363
	2340 residual fuel oil	188
	2350 lube oil & greases	0
	2429 naphtha & solvents	9
	3297 chemical additives	7
	4331 sand & gravel	2
	8900 waste and scrap nec	281
	Total Tons(x1000)	2,270
	Total Ton-miles(x1000)	2,280

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
OYSTER BAY, NY	2211 gasoline	137
	2221 kerosene	1
	2330 distillate fuel oil	302
	Total Tons(x1000)	440
	Total Ton-miles(x1000)	632

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
1989	11,232	1992	5,648	1995	6,088	1998	7,765
1990	8,604	1993	5,667	1996	6,439		
1991	6,027	1994	5,979	1997	6,849		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
Total, all commodities	2,654	2,072	221	361
Total coal	53	—	53	—
1100 coal lignite	48	—	48	—
1200 coal coke	5	—	5	—
Total petroleum and petroleum products	207	154	5	47
Subtotal crude petroleum	4	—	—	4
2100 crude petroleum	4	—	—	4
Subtotal petroleum products	202	154	5	43
2340 residual fuel oil	192	149	—	43
2350 lube oil & greases	1	—	1	—
2410 petro. jelly & waxes	2	2	0	—
2429 naphtha & solvents	0	—	0	—
2430 asphalt, tar & pitch	1	—	1	—
2540 petroleum coke	0	—	0	—
2640 liquid natural gas	6	3	3	—
Total chemicals and related products	148	85	63	—
Subtotal fertilizers	1	1	0	—
3110 nitrogenous fert.	0	—	0	—
3130 potassic fert.	1	1	0	—
3190 fert. & mixes nec	0	—	0	—
Subtotal other chemicals and related products	147	84	63	—
3211 acyclic hydrocarbons	29	—	29	—
3219 other hydrocarbons	7	5	1	—
3220 alcohols	27	22	5	—
3230 carboxylic acids	13	13	1	—
3240 nitrogen func. comp.	1	0	1	—
3250 organo - inorg. comp.	0	0	0	—
3260 organic comp. nec	13	7	6	—
3274 sodium hydroxide	12	12	0	—
3275 inorg. elem.oxides, & halogen salts	11	10	1	—
3276 metallic salts	5	3	2	—
3279 inorganic chem. nec	0	0	0	—
3282 pigments & paints	1	0	1	—
3283 coloring mat. nec	1	0	1	—
3284 medicines	1	—	1	—
3285 perfumes & cleansers	7	6	1	—
3286 plastics	13	4	9	—
3291 pesticides	0	0	0	—
3292 starches, gluten, glue	1	1	0	—
3297 chemical additives	2	—	2	—
3298 wood & resin chem.	1	1	—	—
3299 chem. products nec	3	0	3	—
Total crude materials, inedible except fuels	739	399	26	314
Subtotal forest products, wood and chips	7	7	0	—
4110 rubber & gums	0	—	0	—
4170 wood in the rough	0	—	0	—
4189 lumber	2	2	0	—
4190 forest products nec	5	5	0	—
Subtotal pulp and waste paper	10	0	10	—
4225 pulp & waste paper	10	0	10	—
Subtotal soil, sand, gravel, rock and stone	596	278	4	314
4310 building stone	1	0	1	—
4322 limestone	29	29	—	—
4323 gypsum	563	249	0	314
4327 phosphate rock	2	—	2	—
4331 sand & gravel	1	0	1	—
Subtotal non-ferrous ores and scrap	17	17	0	—
4650 aluminum ore	0	0	0	—
4680 non-ferrous scrap	17	17	0	—
4690 non-ferrous ores nec	0	—	0	—
Subtotal sulphur, clay and salt	0	—	0	—
4782 clay & refrac. mat.	0	—	0	—

DELAWARE RIVER BETWEEN PHILADELPHIA, PA, AND TRENTON, NJ
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
Subtotal slag	47	47	—	—
4860 slag	47	47	—	—
Subtotal other non-metal. min.	62	50	11	—
4900 non-metal. min. nec	62	50	11	—
Total primary manufactured goods	1,180	1,141	39	—
Subtotal paper products	18	5	12	—
5110 newsprint	1	1	0	—
5120 paper & paperboard	11	3	7	—
5190 paper products nec	6	1	5	—
Subtotal lime, cement and glass	211	205	6	—
5220 cement & concrete	196	196	—	—
5240 glass & glass prod.	9	5	4	—
5290 misc. mineral prod.	6	4	2	—
Subtotal primary iron and steel products	920	905	15	—
5312 pig iron	0	—	0	—
5315 ferro alloys	0	0	—	—
5320 i&s primary forms	201	201	0	—
5330 i&s plates & sheets	521	506	14	—
5360 i&s bars & shapes	110	110	0	—
5370 i&s pipe & tube	9	9	0	—
5390 primary i&s nec	79	79	0	—
Subtotal primary non-ferrous metal products	27	22	6	—
5421 copper	4	1	3	—
5422 aluminum	7	7	1	—
5429 smelted prod. nec	9	9	0	—
5480 fab. metal products	7	5	2	—
Subtotal primary wood products	4	4	0	—
5540 primary wood prod.	4	4	0	—
Total food and farm products	256	240	16	—
Subtotal fish	2	2	0	—
6134 fish (not shellfish)	1	1	—	—
6136 shellfish	2	1	0	—
Subtotal grain	18	18	0	—
6344 corn	18	18	0	—
Subtotal oilseeds	6	6	0	—
6521 peanuts	0	0	—	—
6522 soybeans	6	6	—	—
6590 oilseeds nec	1	1	0	—
Subtotal vegetable products	11	8	3	—
6653 vegetable oils	0	0	0	—
6654 vegetables & prod.	11	8	3	—
Subtotal processed grain and animal feed	2	0	1	—
6747 grain mill products	1	0	1	—
6782 animal feed, prep.	1	—	1	—
Subtotal other agricultural products	216	205	11	—
6811 meat, fresh, frozen	5	3	2	—
6817 meat, prepared	14	14	0	—
6822 dairy products	3	0	3	—
6835 fish, prepared	0	0	0	—
6838 tallow, animal oils	0	—	0	—
6839 animals & prod. nec	4	3	1	—
6856 bananas & plantains	8	8	0	—
6857 fruit & nuts nec	147	147	0	—
6858 fruit juices	3	2	0	—
6861 sugar	0	0	0	—
6865 molasses	0	0	—	—
6871 coffee	15	15	—	—
6872 cocoa beans	6	6	0	—
6885 alcoholic beverages	2	1	0	—
6889 food products nec	8	5	3	—
6891 tobacco & products	0	0	0	—
6894 natural fibers nec	0	—	0	—
6899 farm products nec	1	0	1	—
Total all manufactured equipment, machinery and products	70	53	17	—
7110 machinery (not elec)	24	20	5	—
7120 electrical machinery	4	2	2	—
7210 vehicles & parts	9	6	3	—
7220 aircraft & parts	0	—	0	—
7230 ships & boats	0	—	0	—
7300 ordnance & access.	0	0	0	—
7400 manufac. wood prod.	3	3	0	—
7500 textile products	5	2	4	—
7600 rubber & plastic pr.	7	5	2	—
7900 manufac. prod. nec	17	15	1	—

DELAWARE RIVER BETWEEN PHILADELPHIA, PA. AND TRENTON, NJ
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
Total unknown or not elsewhere classified	1	0	0	—
9900 unknown or nec	1	0	0	—
Ton-miles (x1000) Foreign & Canadian	56,368	48,321	3,027	5,020

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Total, all commodities	5,112	1,032	487	2,451	822	320
Total coal	939	—	0	931	8	—
1100 coal lignite	931	—	0	931	—	—
1200 coal coke	8	—	—	—	8	—
Total petroleum and petroleum products	2,154	408	2	1,105	629	11
Subtotal petroleum products	2,154	408	2	1,105	629	11
2211 gasoline	739	166	—	573	—	—
2221 kerosene	8	4	0	4	—	—
2330 distillate fuel oil	453	105	0	256	92	—
2340 residual fuel oil	911	106	—	272	523	11
2350 lube oil & greases	7	6	0	0	—	—
2410 petro. jelly & waxes	19	19	0	—	—	—
2429 naphtha & solvents	0	—	0	—	—	—
2430 asphalt, tar & pitch	1	1	—	—	—	—
2540 petroleum coke	15	—	0	—	14	—
2640 liquid natural gas	1	0	0	—	—	—
2990 petro. products nec	1	1	0	—	—	—
Total chemicals and related products	1,639	513	234	414	169	309
Subtotal fertilizers	12	0	0	12	—	—
3110 nitrogenous fert.	12	0	0	12	—	—
3190 fert. & mixes nec	0	—	0	—	—	—
Subtotal other chemicals and related products	1,627	513	234	402	169	309
3211 acyclic hydrocarbons	3	—	3	—	—	—
3212 benzene & toluene	0	—	0	—	—	—
3219 other hydrocarbons	1,050	337	1	402	1	309
3220 alcohols	282	73	41	—	168	—
3230 carboxylic acids	7	6	1	—	—	—
3240 nitrogen func. comp.	1	—	1	—	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—
3260 organic comp. nec	160	—	160	—	—	—
3272 sulphuric acid	0	0	0	—	—	—
3273 ammonia	0	0	0	—	—	—
3274 sodium hydroxide	0	0	0	—	—	—
3275 inorg. elem. oxides, & halogen salts	4	3	1	—	—	—
3276 metallic salts	1	0	1	—	—	—
3279 inorganic chem. nec	0	0	0	—	—	—
3282 pigments & paints	1	0	1	—	—	—
3283 coloring mat. nec	1	0	1	—	—	—
3284 medicines	37	33	4	—	—	—
3285 perfumes & cleansers	12	4	8	—	—	—
3286 plastics	10	1	9	—	—	—
3291 pesticides	1	1	0	—	—	—
3292 starches, gluten, glue	3	2	1	—	—	—
3293 explosives	0	0	0	—	—	—
3297 chemical additives	47	47	—	—	—	—
3298 wood & resin chem.	4	3	0	—	—	—
3299 chem. products nec	3	3	1	—	—	—
Total crude materials, inedible except fuels	19	3	16	—	1	—
Subtotal forest products, wood and chips	2	0	2	—	—	—
4170 wood in the rough	0	0	0	—	—	—
4189 lumber	0	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	0	2	—	1	—
4322 limestone	2	—	2	—	—	—
4331 sand & gravel	2	0	1	—	1	—
Subtotal iron ore and scrap	6	1	5	—	—	—
4420 iron & steel scrap	6	1	5	—	—	—
Subtotal marine shells	0	—	0	—	—	—
4515 marine shells	0	—	0	—	—	—
Subtotal non-ferrous ores and scrap	1	1	—	—	—	—
4680 non-ferrous scrap	1	1	—	—	—	—

DELAWARE RIVER BETWEEN PHILADELPHIA, PA, AND TRENTON, NJ
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Subtotal sulphur, clay and salt	0	0	0	---	---	---
4741 sulphur, (dry)	0	---	0	---	---	---
4782 clay & refrac. mat.	0	0	0	---	---	---
Subtotal slag	0	---	0	---	---	---
4860 slag	0	---	0	---	---	---
Subtotal other non-metal. min.	6	0	6	---	---	---
4900 non-metal. min. nec	6	0	6	---	---	---
Total primary manufactured goods	85	38	37	0	10	---
Subtotal paper products	15	2	13	---	---	---
5110 newsprint	1	---	1	---	---	---
5120 paper & paperboard	6	0	6	---	---	---
5190 paper products nec	8	2	6	---	---	---
Subtotal lime, cement and glass	7	1	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	29	19	4	---	7	---
5330 i&s plates & sheets	1	---	1	---	---	---
5360 i&s bars & shapes	3	---	0	---	3	---
5370 i&s pipe & tube	2	0	2	---	---	---
5390 primary i&s nec	23	19	1	---	4	---
Subtotal primary non-ferrous metal products	33	16	13	0	3	---
5421 copper	1	0	1	---	---	---
5422 aluminum	1	0	1	---	---	---
5429 smelted prod. nec	4	0	4	---	---	---
5480 fab. metal products	27	16	7	0	3	---
Subtotal primary wood products	1	---	1	---	---	---
5540 primary wood prod.	1	---	1	---	---	---
Total food and farm products	144	35	109	1	---	---
Subtotal fish	2	1	0	---	---	---
6134 fish (not shellfish)	1	1	0	---	---	---
6136 shellfish	0	---	0	---	---	---
Subtotal grain	0	---	0	---	---	---
6344 corn	0	---	0	---	---	---
6443 barley & rye	0	---	0	---	---	---
Subtotal oilseeds	0	---	0	---	---	---
6521 peanuts	0	---	0	---	---	---
Subtotal vegetable products	19	3	16	---	---	---
6653 vegetable oils	2	0	1	---	---	---
6654 vegetables & prod.	17	3	15	---	---	---
Subtotal processed grain and animal feed	9	0	8	---	---	---
6746 wheat flour	0	---	0	---	---	---
6747 grain mill products	7	0	7	---	---	---
6782 animal feed, prep.	1	0	1	---	---	---
Subtotal other agricultural products	115	30	84	1	---	---
6811 meat, fresh, frozen	7	---	7	---	---	---
6817 meat, prepared	4	0	4	---	---	---
6822 dairy products	8	0	8	---	---	---
6835 fish, prepared	10	9	0	---	---	---
6838 tallow, animal oils	0	---	0	---	---	---
6839 animals & prod. nec	3	0	3	---	---	---
6857 fruit & nuts nec	3	1	2	---	---	---
6858 fruit juices	7	1	6	---	---	---
6861 sugar	0	---	0	---	---	---
6865 molasses	0	0	---	---	---	---
6871 coffee	0	0	0	---	---	---
6872 cocoa beans	1	1	---	---	---	---
6885 alcoholic beverages	2	0	1	---	---	---
6887 groceries	15	2	13	---	---	---
6888 water & ice	3	---	3	1	---	---
6889 food products nec	50	15	36	---	---	---
6891 tobacco & products	1	0	1	---	---	---
6893 cotton	0	---	0	---	---	---
6899 farm products nec	0	---	0	---	---	---
Total all manufactured equipment, machinery and products	127	33	89	0	5	---
7110 machinery (not elec)	8	1	7	---	0	---
7120 electrical machinery	19	8	11	---	---	---
7210 vehicles & parts	4	1	3	---	---	---
7220 aircraft & parts	0	0	---	---	---	---
7230 ships & boats	0	0	0	---	---	---
7300 ordnance & access.	0	---	0	---	---	---
7400 manufac. wood prod.	2	0	2	---	---	---
7500 textile products	13	6	7	---	---	---
7600 rubber & plastic pr.	9	2	7	---	---	---
7800 empty containers	1	0	0	---	---	---
7900 manufac. prod. nec	71	14	53	0	4	---

DELAWARE RIVER BETWEEN PHILADELPHIA, PA. AND TRENTON, NJ
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Total waste and scrap nec	0	0	0	---	---	---
8900 waste and scrap nec	0	0	0	---	---	---
Total unknown or not elsewhere classified	2	1	1	---	---	---
9900 unknown or nec	2	1	1	---	---	---
Ton-miles (x1000) Domestic	46,781	2,397	1,188	40,906	1,457	833
Tons All Traffic (x1000)	7,765					
Ton-miles All Traffic (x1000)	103,149					

*Includes 27 (x1000) tons of foreign inbound in-transits; Includes 34 (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
1989	116,865	1992	113,168	1995	121,092	1998	115,709
1990	125,594	1993	120,510	1996	103,959		
1991	109,917	1994	120,416	1997	112,245		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports*	Through Upbound
				Upbound	Downbnd			
Total, all commodities	71,910	60,928	916	4,636	850	3,293	318	969
Total coal	188	93	9	3	53	---	30	---
1100 coal lignite	144	92	3	---	48	---	---	---
1200 coal coke	44	1	6	3	5	---	30	---
Total petroleum and petroleum products	57,487	53,278	159	592	226	2,823	167	242
Subtotal crude petroleum	54,913	52,082	---	---	---	2,647	---	184
2100 crude petroleum	54,913	52,082	---	---	---	2,647	---	184
Subtotal petroleum products	2,574	1,196	159	592	226	175	167	58
2211 gasoline	167	111	49	6	---	---	---	---
2221 kerosene	22	3	---	---	---	---	19	---
2330 distillate fuel oil	173	92	16	37	28	---	---	---
2340 residual fuel oil	1,697	864	0	543	51	153	36	50
2350 lube oil & greases	29	0	23	---	4	---	1	---
2410 petro. jelly & waxes	6	2	1	2	1	---	---	---
2429 naphtha & solvents	142	89	0	---	4	---	49	---
2430 asphalt, tar & pitch	28	---	0	---	1	---	18	9
2540 petroleum coke	261	30	37	---	128	23	43	---
2640 liquid natural gas	49	4	33	3	9	---	---	---
Total chemicals and related products	1,394	784	181	193	93	6	96	41
Subtotal fertilizers	172	114	2	53	2	0	---	---
3110 nitrogenous fert.	143	90	0	53	1	0	---	---
3120 phosphatic fert.	0	0	---	---	---	---	---	---
3130 potassic fert.	1	0	0	1	0	---	---	---
3190 fert. & mixes nec	28	25	2	0	1	---	---	---
Subtotal other chemicals and related products	1,222	669	179	140	91	6	96	41
3211 acyclic hydrocarbons	82	43	10	---	29	---	---	---
3212 benzene & toluene	140	0	0	11	---	2	86	41
3219 other hydrocarbons	32	9	6	5	1	---	10	---
3220 alcohols	129	86	8	26	5	3	0	---
3230 carboxylic acids	40	17	9	13	1	---	---	---
3240 nitrogen func. comp.	18	2	15	0	1	0	---	---
3250 organo - inorg. comp.	6	2	4	0	1	---	---	---
3260 organic comp. nec	364	331	6	20	6	---	---	---
3272 sulphuric acid	0	0	0	---	0	---	---	---
3273 ammonia	0	---	0	---	---	---	---	---
3274 sodium hydroxide	77	64	0	12	0	---	0	---

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports*	Through Upbound
				Upbound	Downbnd			
3275 inorg. elem. oxides, & halogen salts	34	16	4	12	1	—	—	—
3276 metallic salts	47	8	8	26	6	—	0	—
3279 inorganic chem. nec	3	0	1	2	0	—	—	—
3281 radioactive material	1	0	0	—	—	—	—	—
3282 pigments & paints	24	1	20	0	3	—	0	—
3283 coloring mat. nec	5	2	2	0	1	—	—	—
3284 medicines	12	6	5	0	2	—	—	—
3285 perfumes & cleansers	22	6	6	6	4	—	0	—
3286 plastics	121	38	59	4	20	0	0	—
3291 pesticides	6	3	3	0	1	—	—	—
3292 starches, gluten, glue	34	28	2	1	3	—	0	—
3293 explosives	0	0	0	—	—	—	—	—
3297 chemical additives	8	0	6	—	2	—	—	—
3298 wood & resin chem.	2	1	0	1	0	—	—	—
3299 chem. products nec	17	4	8	0	5	—	0	—
Total crude materials, inedible except fuels	2,640	684	155	597	94	402	23	685
Subtotal forest products, wood and chips	98	43	6	7	5	2	0	36
4110 rubber & gums	1	1	0	—	0	—	—	—
4150 fuel wood	0	—	—	—	0	—	—	—
4170 wood in the rough	2	1	1	—	0	—	—	—
4189 lumber	83	36	3	2	4	2	—	36
4190 forest products nec	12	5	2	5	0	—	0	—
Subtotal pulp and waste paper	131	70	5	2	35	—	18	—
4225 pulp & waste paper	131	70	5	2	35	—	18	—
Subtotal soil, sand, gravel, rock and stone	1,394	108	7	278	5	341	5	650
4310 building stone	2	—	1	0	1	—	—	—
4322 limestone	29	—	—	29	—	—	—	—
4323 gypsum	1,353	108	0	249	0	341	5	650
4327 phosphate rock	2	—	—	—	2	—	—	—
4331 sand & gravel	8	—	6	0	2	—	—	—
Subtotal iron ore and scrap	306	139	74	—	34	58	—	—
4410 iron ore	197	139	0	—	—	58	—	—
4420 iron & steel scrap	109	1	74	—	34	—	—	—
Subtotal marine shells	0	0	—	—	—	—	—	—
4515 marine shells	0	0	—	—	—	—	—	—
Subtotal non-ferrous ores and scrap	132	79	2	50	1	—	—	—
4650 aluminum ore	1	1	0	0	0	—	—	—
4680 non-ferrous scrap	34	2	1	31	0	—	—	—
4690 non-ferrous ores nec	96	76	1	19	0	—	—	—
Subtotal sulphur, clay and salt	101	36	29	37	0	—	—	—
4741 sulphur, (dry)	5	5	0	—	—	—	—	—
4782 clay & refrac. mat.	96	31	29	37	0	—	—	—
Subtotal slag	50	3	—	47	—	—	—	—
4860 slag	50	3	—	47	—	—	—	—
Subtotal other non-metal. min.	428	205	32	177	14	0	—	—
4900 non-metal. min. nec	428	205	32	177	14	0	—	—
Total primary manufactured goods	6,115	4,235	190	1,479	149	61	1	—
Subtotal paper products	1,088	833	85	8	102	60	0	—
5110 newsprint	179	118	0	1	1	58	—	—
5120 paper & paperboard	884	711	74	6	91	2	0	—
5190 paper products nec	25	4	11	1	10	0	—	—
Subtotal lime, cement and glass	326	91	19	205	11	—	—	—
5210 lime	0	—	—	—	0	—	—	—
5220 cement & concrete	259	63	0	196	0	—	—	—
5240 glass & glass prod.	28	10	8	6	4	—	—	—
5290 misc. mineral prod.	39	18	10	4	7	—	—	—
Subtotal primary iron and steel products	4,213	2,905	50	1,239	18	—	1	—
5312 pig iron	3	—	2	—	0	—	—	—
5315 ferro alloys	41	40	0	0	0	—	—	—
5320 i&s primary forms	1,452	1,218	0	234	0	—	—	—
5330 i&s plates & sheets	1,735	1,101	35	583	17	—	0	—
5360 i&s bars & shapes	725	401	5	318	0	—	—	—
5370 i&s pipe & tube	93	74	6	11	1	—	1	—
5390 primary i&s nec	164	71	1	92	0	—	—	—
Subtotal primary non-ferrous metal products	136	60	36	23	17	0	0	—
5421 copper	20	9	2	2	8	—	0	—
5422 aluminum	47	21	15	7	4	0	—	—
5429 smelted prod. nec	29	11	8	9	0	—	0	—

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports*	Through Upbound
				Upbound	Downbnd			
5480 fab. metal products	40	19	11	5	5	0	0	—
Subtotal primary wood products	352	347	1	4	1	0	—	—
5540 primary wood prod.	352	347	1	4	1	0	—	—
Total food and farm products	3,487	1,670	87	1,626	102	2	1	—
Subtotal fish	34	12	4	17	1	—	0	—
6134 fish (not shellfish)	24	8	3	13	0	—	0	—
6136 shellfish	10	4	1	4	1	—	—	—
Subtotal grain	37	15	0	21	1	—	—	—
6344 corn	35	14	0	21	0	—	—	—
6442 rice	1	1	0	—	—	—	—	—
6443 barley & rye	0	—	0	—	0	—	—	—
6445 oats	0	—	0	—	0	—	—	—
Subtotal oilseeds	16	9	0	6	0	—	—	—
6521 peanuts	1	1	0	0	—	—	—	—
6522 soybeans	11	5	—	6	—	—	—	—
6534 flaxseed	0	—	—	—	0	—	—	—
6590 oilseeds nec	3	2	0	1	0	—	—	—
Subtotal vegetable products	110	15	20	36	38	1	—	—
6653 vegetable oils	1	0	0	0	1	—	—	—
6654 vegetables & prod.	109	15	20	36	38	1	—	—
Subtotal processed grain and animal feed	21	4	9	0	8	0	—	—
6746 wheat flour	1	—	0	—	1	0	—	—
6747 grain mill products	8	1	3	0	4	—	—	—
6781 hay & fodder	1	0	0	—	0	—	—	—
6782 animal feed, prep.	12	3	6	—	3	—	—	—
Subtotal other agricultural products	3,269	1,615	55	1,546	53	0	0	—
6811 meat, fresh, frozen	355	280	12	56	7	0	—	—
6817 meat, prepared	33	11	0	15	7	0	—	—
6822 dairy products	104	80	14	0	9	0	0	—
6835 fish, prepared	3	2	0	0	0	0	—	—
6838 tallow, animal oils	1	0	0	—	0	—	—	—
6839 animals & prod. nec	20	13	1	4	2	—	—	—
6856 bananas & plantains	1,440	482	—	959	0	—	—	—
6857 fruit & nuts nec	785	369	2	408	5	0	—	—
6858 fruit juices	124	45	2	74	4	—	—	—
6861 sugar	0	0	0	0	0	—	—	—
6865 molasses	0	—	—	0	0	—	—	—
6871 coffee	34	19	0	16	0	—	—	—
6872 cocoa beans	229	222	1	6	0	—	—	—
6885 alcoholic beverages	70	63	3	1	2	0	0	—
6888 water & ice	1	0	0	0	0	—	—	—
6889 food products nec	49	17	13	6	12	0	—	—
6891 tobacco & products	9	6	2	0	1	—	—	—
6893 cotton	8	6	0	—	2	—	—	—
6894 natural fibers nec	0	0	—	—	0	—	—	—
6899 farm products nec	4	1	2	0	2	—	—	—
Total all manufactured equipment, machinery and products	573	180	121	145	126	0	0	—
7110 machinery (not elec)	109	40	37	21	11	0	0	—
7120 electrical machinery	35	14	9	5	7	0	0	—
7210 vehicles & parts	237	48	18	91	80	—	0	—
7220 aircraft & parts	0	—	0	—	0	—	—	—
7230 ships & boats	1	0	0	—	1	—	—	—
7300 ordnance & access.	1	0	0	0	0	—	—	—
7400 manufac. wood prod.	14	8	1	4	1	—	—	—
7500 textile products	47	15	18	3	12	0	0	—
7600 rubber & plastic pr.	45	17	16	5	6	0	0	—
7900 manufac. prod. nec	83	38	21	16	8	0	0	—
Total unknown or not elsewhere classified	26	5	13	0	8	0	0	—
9900 unknown or nec	26	5	13	0	8	0	0	—
Ton-miles (x1000) Foreign & Canadian	6,460,864	5,570,213	86,689	398,913	67,218	223,756	31,499	82,576

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	17,804	2,441	7,865	2,660	4,837
Total coal	1,292	8	26	—	1,258
1100 coal lignite	1,292	8	26	—	1,258
Total petroleum and petroleum products	12,813	1,046	7,369	1,486	2,912
Subtotal crude petroleum	374	44	317	—	13
2100 crude petroleum	374	44	317	—	13
Subtotal petroleum products	12,439	1,002	7,052	1,486	2,899
2211 gasoline	2,434	145	1,510	478	301
2221 kerosene	104	—	85	16	3
2330 distillate fuel oil	3,330	136	2,544	356	294
2340 residual fuel oil	4,708	231	1,918	332	2,227
2350 lube oil & greases	469	397	61	6	4
2410 petro. jelly & waxes	75	—	0	75	0
2429 naphtha & solvents	192	46	99	—	47
2430 asphalt, tar & pitch	1,083	45	795	220	23
2540 petroleum coke	14	—	14	—	0
2640 liquid natural gas	1	0	1	0	0
2990 petro. products nec	28	1	25	1	0
Total chemicals and related products	2,136	1,253	66	568	248
Subtotal fertilizers	0	—	0	0	0
3110 nitrogenous fert.	0	—	—	0	0
3190 fert. & mixes nec	0	—	0	—	0
Subtotal other chemicals and related products	2,136	1,253	66	568	248
3211 acyclic hydrocarbons	3	—	0	—	3
3212 benzene & toluene	10	3	7	—	0
3219 other hydrocarbons	362	—	0	350	12
3220 alcohols	128	9	2	73	43
3230 carboxylic acids	9	2	1	6	1
3240 nitrogen func. comp.	2	—	0	—	2
3250 organo - inorg. comp.	0	—	0	—	0
3260 organic comp. nec	160	—	0	—	160
3272 sulphuric acid	13	3	8	1	0
3273 ammonia	1	—	0	0	0
3274 sodium hydroxide	223	197	7	19	0
3275 inorg. elem., oxides, & halogen salts	13	0	9	3	1
3276 metallic salts	2	—	1	0	1
3279 inorganic chem. nec	0	—	0	0	0
3282 pigments & paints	4	—	4	0	1
3283 coloring mat. nec	1	—	—	0	1
3284 medicines	40	2	1	33	4
3285 perfumes & cleansers	23	1	10	4	8
3286 plastics	13	0	3	1	9
3291 pesticides	1	0	0	1	0
3292 starches, gluten, glue	5	—	2	2	1
3293 explosives	0	—	—	0	0
3297 chemical additives	1,080	1,012	—	68	—
3298 wood & resin chem.	19	14	1	3	0
3299 chem. products nec	22	10	8	3	1
Total crude materials, inedible except fuels	167	13	82	3	69
Subtotal forest products, wood and chips	9	5	2	0	2
4110 rubber & gums	2	1	0	—	—
4161 wood chips	0	—	0	—	—
4170 wood in the rough	0	—	0	0	0
4189 lumber	4	3	0	0	0
4190 forest products nec	4	0	2	0	2
Subtotal pulp and waste paper	8	8	0	—	0
4225 pulp & waste paper	8	8	0	—	0
Subtotal soil, sand, gravel, rock and stone	41	0	0	0	41
4322 limestone	40	—	0	—	40
4323 gypsum	0	—	0	—	—
4331 sand & gravel	1	0	0	0	1
Subtotal iron ore and scrap	94	—	72	1	20
4420 iron & steel scrap	94	—	72	1	20
Subtotal marine shells	0	—	—	—	0
4515 marine shells	0	—	—	—	0
Subtotal non-ferrous ores and scrap	2	—	0	1	—
4650 aluminum ore	0	—	0	—	—
4680 non-ferrous scrap	1	—	—	1	—
Subtotal sulphur, clay and salt	0	—	—	0	0
4741 sulphur, (dry)	0	—	—	—	0
4782 clay & refrac. mat.	0	—	—	0	0
Subtotal slag	0	—	—	—	0
4860 slag	0	—	—	—	0
Subtotal other non-metal. min.	12	—	6	0	6
4900 non-metal. min. nec	12	—	6	0	6

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total primary manufactured goods	630	8	58	450	114
Subtotal paper products	28	1	9	5	13
5110 newsprint	1	—	0	—	1
5120 paper & paperboard	9	—	0	3	6
5190 paper products nec	18	1	9	2	6
Subtotal lime, cement and glass	469	0	12	374	83
5220 cement & concrete	450	—	—	373	77
5240 glass & glass prod.	9	—	4	0	5
5290 misc. mineral prod.	9	0	8	0	1
Subtotal primary iron and steel products	65	0	15	46	4
5312 pig iron	0	—	0	—	—
5330 i&s plates & sheets	1	0	0	—	1
5360 i&s bars & shapes	2	—	2	—	0
5370 i&s pipe & tube	8	—	6	0	2
5390 primary i&s nec	54	—	7	46	1
Subtotal primary non-ferrous metal products	67	6	21	26	13
5421 copper	1	—	1	0	1
5422 aluminum	2	0	0	0	1
5429 smelted prod. nec	9	—	4	0	4
5480 fab. metal products	55	6	16	26	7
Subtotal primary wood products	1	—	1	—	1
5540 primary wood prod.	1	—	1	—	1
Total food and farm products	334	82	107	36	109
Subtotal fish	2	—	0	1	0
6134 fish (not shellfish)	2	—	0	1	0
6136 shellfish	0	—	—	—	0
Subtotal grain	0	—	0	—	0
6344 corn	0	—	0	—	0
6443 barley & rye	0	—	—	—	0
Subtotal oilseeds	0	—	0	—	0
6521 peanuts	0	—	0	—	0
6590 oilseeds nec	0	—	0	—	—
Subtotal vegetable products	26	0	7	3	16
6653 vegetable oils	3	—	2	0	1
6654 vegetables & prod.	22	0	5	3	15
Subtotal processed grain and animal feed	17	—	8	0	8
6746 wheat flour	1	—	1	—	0
6747 grain mill products	8	—	1	0	7
6781 hay & fodder	0	—	0	—	—
6782 animal feed, prep.	7	—	6	0	1
Subtotal other agricultural products	290	82	92	31	84
6811 meat, fresh, frozen	9	0	1	—	7
6817 meat, prepared	4	—	0	0	4
6822 dairy products	20	—	12	0	8
6835 fish, prepared	12	0	2	9	0
6838 tallow, animal oils	0	—	—	—	0
6839 animals & prod. nec	5	—	2	0	3
6857 fruit & nuts nec	3	0	1	1	2
6858 fruit juices	9	—	2	1	6
6861 sugar	0	—	0	—	0
6865 molasses	0	—	—	0	—
6871 coffee	0	—	0	0	0
6872 cocoa beans	1	—	—	1	—
6885 alcoholic beverages	12	4	4	1	1
6887 groceries	107	69	23	2	13
6888 water & ice	5	0	2	—	3
6889 food products nec	101	9	42	15	36
6891 tobacco & products	1	—	0	0	1
6893 cotton	0	—	0	—	0
6899 farm products nec	0	—	0	—	0
Total all manufactured equipment, machinery and products	430	31	157	116	126
7110 machinery (not elec)	19	1	9	1	7
7120 electrical machinery	26	3	5	8	11
7210 vehicles & parts	57	4	49	1	3
7220 aircraft & parts	0	—	—	0	—
7230 ships & boats	0	0	0	0	0
7300 ordnance & access.	0	—	—	—	0
7400 manufac. wood prod.	5	1	1	0	2
7500 textile products	16	0	2	6	7
7600 rubber & plastic pr.	18	1	6	4	7
7800 empty containers	1	—	—	0	0
7900 manufac. prod. nec	288	20	84	94	90
Total waste and scrap nec	0	—	—	0	0
8900 waste and scrap nec	0	—	—	0	0

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total unknown or not elsewhere classified	3	—	0	1	1
9900 unknown or nec	3	—	0	1	1
Ton-miles (x1000) Coastwise	1,464,928	206,423	638,081	216,758	403,666

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	25,994	1,528	2,299	1,999	2,783	1,561	915	14,000	910
Total coal	1,347	408	—	—	—	931	8	—	—
1100 coal lignite	1,339	408	—	—	—	931	—	—	—
1200 coal coke	8	—	—	—	—	—	8	—	—
Total petroleum and petroleum products	23,416	1,062	2,288	1,901	2,555	237	642	13,961	769
Subtotal crude petroleum	13,033	485	—	80	—	—	—	12,468	—
2100 crude petroleum	13,033	485	—	80	—	—	—	12,468	—
Subtotal petroleum products	10,383	577	2,288	1,821	2,555	237	642	1,493	769
2211 gasoline	1,673	39	32	624	326	65	91	424	71
2221 kerosene	27	—	4	4	5	—	—	12	2
2330 distillate fuel oil	3,308	68	1,370	330	621	104	139	381	295
2340 residual fuel oil	4,100	470	839	710	690	63	391	573	365
2350 lube oil & greases	10	0	1	0	0	—	0	1	7
2429 naphtha & solvents	209	—	42	61	29	—	—	49	29
2430 asphalt, tar & pitch	1,023	—	—	92	885	5	6	35	—
2540 petroleum coke	14	—	—	—	—	—	14	—	—
2990 petro. products nec	18	—	—	—	—	—	—	18	—
Total chemicals and related products	1,085	25	5	96	201	351	246	36	124
Subtotal fertilizers	39	20	—	—	7	12	—	—	—
3110 nitrogenous fert.	39	20	—	—	7	12	—	—	—
Subtotal other chemicals and related products	1,046	5	5	96	194	339	246	36	124
3219 other hydrocarbons	404	—	—	63	—	339	1	1	—
3220 alcohols	272	—	5	—	22	—	245	—	—
3272 sulphuric acid	54	—	—	—	26	—	—	2	26
3274 sodium hydroxide	63	5	—	—	22	—	—	4	32
3276 metallic salts	126	—	—	4	122	—	—	—	—
3297 chemical additives	116	—	—	22	—	—	—	29	65
3299 chem. products nec	11	—	—	8	2	—	—	—	2
Total crude materials, inedible except fuels	69	23	6	—	27	9	4	—	—
Subtotal soil, sand, gravel, rock and stone	1	—	—	—	—	—	1	—	—
4331 sand & gravel	1	—	—	—	—	—	1	—	—
Subtotal iron ore and scrap	48	23	—	—	14	8	3	—	—
4420 iron & steel scrap	48	23	—	—	14	8	3	—	—

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal marine shells	18	—	6	—	13	—	—	—	—
4515 marine shells	18	—	6	—	13	—	—	—	—
Subtotal non-ferrous ores and scrap	1	—	—	—	—	1	—	—	—
4690 non-ferrous ores nec	1	—	—	—	—	1	—	—	—
Total primary manufactured goods	38	0	—	0	—	28	10	—	—
Subtotal primary iron and steel products	22	—	—	—	—	15	7	—	—
5330 i&s plates & sheets	15	—	—	—	—	15	—	—	—
5360 i&s bars & shapes	3	—	—	—	—	—	3	—	—
5390 primary i&s nec	4	—	—	—	—	—	4	—	—
Subtotal primary non-ferrous metal products	4	0	—	0	—	—	3	—	—
5480 fab. metal products	4	0	—	0	—	—	3	—	—
Subtotal primary wood products	13	—	—	—	—	13	—	—	—
5540 primary wood prod.	13	—	—	—	—	13	—	—	—
Total food and farm products	33	9	1	1	—	5	—	2	16
Subtotal fish	5	0	—	0	—	5	—	—	—
6134 fish (not shellfish)	5	—	—	0	—	5	—	—	—
6136 shellfish	0	0	—	0	—	0	—	—	—
Subtotal other agricultural products	28	9	1	1	—	—	—	2	16
6887 groceries	11	9	0	—	—	—	—	—	3
6888 water & ice	17	0	1	1	—	—	—	2	13
Total all manufactured equipment, machinery and products	6	—	—	0	—	0	5	1	1
7110 machinery (not elec)	0	—	—	0	—	—	0	—	—
7900 manufac. prod. nec	6	—	—	—	—	0	4	1	1
Ton-miles Internal (x1000)	1,128,630	57,158	34,341	42,574	49,002	44,255	24,739	864,171	12,389
Tons All Traffic (x1000)				115,709					
Ton-miles All Traffic (x1000)				9,054,436					

*Includes 465 (x1000) tons of foreign inbound in-transits; Includes 98 (x1000) tons of foreign outbound in-transits;
Includes 12 (x1000) tons of Canadian outbound in-transits.

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

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	4,163	1992	4,855	1995	5,919	1998	5,492
1990	4,379	1993	4,664	1996	5,765		
1991	5,668	1994	5,669	1997	6,570		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports*
Total, all commodities	2,815	2,352	235	179	49
Total coal	27	26	1	—	—
1100 coal lignite	26	26	0	—	—
1200 coal coke	1	—	1	—	—
Total petroleum and petroleum products	836	706	41	47	43
Subtotal crude petroleum	525	521	—	4	—
2100 crude petroleum	525	521	—	4	—
Subtotal petroleum products	311	185	41	43	43
2330 distillate fuel oil	9	9	—	—	—
2340 residual fuel oil	192	149	—	43	—
2350 lube oil & greases	4	—	4	—	—
2410 petro. jelly & waxes	0	—	0	—	—
2429 naphtha & solvents	0	—	0	—	—
2430 asphalt, tar & pitch	0	—	0	—	—
2540 petroleum coke	106	27	37	—	43
Total chemicals and related products	10	1	9	0	0
Subtotal fertilizers	0	0	—	0	—
3110 nitrogenous fert.	0	—	—	0	—
3130 potassic fert.	0	0	—	—	—
Subtotal other chemicals and related products	10	1	9	0	0
3219 other hydrocarbons	0	—	0	—	—
3220 alcohols	1	—	1	—	0
3230 carboxylic acids	0	0	0	—	—
3240 nitrogen func. comp.	0	—	0	0	—
3250 organo - inorg. comp.	0	0	0	—	—
3260 organic comp. nec	0	—	0	—	—
3273 ammonia	0	—	0	—	—
3274 sodium hydroxide	0	—	0	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	0	—	—
3276 metallic salts	1	—	1	—	—
3282 pigments & paints	1	—	1	—	—
3283 coloring mat. nec	0	0	0	—	—
3284 medicines	0	0	0	—	—
3285 perfumes & cleansers	1	0	1	—	—
3286 plastics	1	0	1	0	—
3291 pesticides	0	—	0	—	—
3292 starches, gluten, glue	0	0	0	—	—
3297 chemical additives	1	—	1	—	—
3298 wood & resin chem.	0	—	0	—	—
3299 chem. products nec	1	0	1	—	—
Total crude materials, inedible except fuels	325	102	88	130	5
Subtotal forest products, wood and chips	15	13	1	0	—
4110 rubber & gums	1	1	—	—	—
4170 wood in the rough	1	1	0	—	—
4189 lumber	13	12	1	0	—
4190 forest products nec	0	0	0	—	—
Subtotal pulp and waste paper	2	—	2	—	—
4225 pulp & waste paper	2	—	2	—	—
Subtotal soil, sand, gravel, rock and stone	136	—	1	130	5
4310 building stone	0	—	0	—	—
4323 gypsum	135	—	0	130	5
4331 sand & gravel	1	—	1	—	—
Subtotal iron ore and scrap	43	—	43	—	—
4410 iron ore	0	—	0	—	—
4420 iron & steel scrap	43	—	43	—	—
Subtotal non-ferrous ores and scrap	76	76	0	—	—
4680 non-ferrous scrap	1	1	0	—	—
4690 non-ferrous ores nec	75	75	0	—	—
Subtotal sulphur, clay and salt	40	13	28	—	—
4741 sulphur, (dry)	0	—	0	—	—
4782 clay & refrac. mat.	40	13	28	—	—
Subtotal other non-metal. min.	13	—	13	0	—
4900 non-metal. min. nec	13	—	13	0	—

DELAWARE RIVER AT CAMDEN, NJ (INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports*
Total primary manufactured goods	856	817	38	0	1
Subtotal paper products	39	16	23	0	0
5110 newsprint	16	16	0	—	—
5120 paper & paperboard	18	0	18	—	0
5190 paper products nec	5	—	5	0	—
Subtotal lime, cement and glass	5	1	4	—	—
5240 glass & glass prod.	1	0	1	—	—
5290 misc. mineral prod.	4	1	3	—	—
Subtotal primary iron and steel products	613	608	4	—	1
5312 pig iron	0	—	0	—	—
5315 ferro alloys	6	6	—	—	—
5320 i&s primary forms	24	24	—	—	—
5330 i&s plates & sheets	466	463	3	—	0
5360 i&s bars & shapes	82	81	0	—	—
5370 i&s pipe & tube	28	27	0	—	1
5390 primary i&s nec	7	7	0	—	—
Subtotal primary non-ferrous metal products	13	6	7	0	—
5421 copper	0	0	0	—	—
5422 aluminum	7	2	5	0	—
5429 smelted prod. nec	0	0	0	—	—
5480 fab. metal products	6	4	2	—	—
Subtotal primary wood products	186	186	0	—	—
5540 primary wood prod.	186	186	0	—	—
Total food and farm products	716	685	30	1	0
Subtotal fish	2	0	2	—	—
6134 fish (not shellfish)	2	0	2	—	—
6136 shellfish	0	0	0	—	—
Subtotal grain	10	10	—	—	—
6344 corn	10	10	—	—	—
Subtotal oilseeds	1	1	0	—	—
6521 peanuts	0	0	0	—	—
6522 soybeans	1	1	—	—	—
6590 oilseeds nec	1	1	0	—	—
Subtotal vegetable products	11	4	6	1	—
6653 vegetable oils	0	0	—	—	—
6654 vegetables & prod.	11	4	6	1	—
Subtotal processed grain and animal feed	2	0	2	0	—
6746 wheat flour	0	—	0	0	—
6747 grain mill products	1	0	1	—	—
6782 animal feed, prep.	1	—	1	—	—
Subtotal other agricultural products	688	668	20	0	0
6811 meat, fresh, frozen	47	44	3	0	—
6817 meat, prepared	0	0	0	0	—
6822 dairy products	8	0	8	0	0
6835 fish, prepared	0	0	—	0	—
6838 tallow, animal oils	0	—	0	—	—
6839 animals & prod. nec	0	0	0	—	—
6856 bananas & plantains	215	215	—	—	—
6857 fruit & nuts nec	293	292	1	0	—
6858 fruit juices	22	21	1	—	—
6861 sugar	0	0	0	—	—
6871 coffee	5	4	0	—	—
6872 cocoa beans	80	80	0	—	—
6885 alcoholic beverages	1	1	0	—	—
6889 food products nec	7	2	5	0	—
6891 tobacco & products	4	3	1	—	—
6893 cotton	5	5	0	—	—
6894 natural fibers nec	0	0	—	—	—
6899 farm products nec	0	0	0	—	—
Total all manufactured equipment, machinery and products	39	15	24	0	0
7110 machinery (not elec)	8	2	7	—	—
7120 electrical machinery	2	0	2	0	0
7210 vehicles & parts	6	0	6	—	—
7230 ships & boats	0	—	0	—	—
7400 manufac. wood prod.	4	4	0	—	—
7500 textile products	10	6	4	0	0
7600 rubber & plastic pr.	2	0	2	—	0
7900 manufac. prod. nec	6	3	3	0	—
Total unknown or not elsewhere classified	6	1	5	0	0
9900 unknown or nec	6	1	5	0	0

DELAWARE RIVER AT CAMDEN, NJ (INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	2,677	574	533	714	790	66
Total coal	26	—	26	—	—	—
1100 coal lignite	26	—	26	—	—	—
Total petroleum and petroleum products	2,023	426	65	690	776	66
Subtotal petroleum products	2,023	426	65	690	776	66
2211 gasoline	196	179	0	17	1	—
2221 kerosene	4	4	0	—	—	—
2330 distillate fuel oil	362	105	21	94	141	1
2340 residual fuel oil	1,421	121	28	578	628	65
2350 lube oil & greases	2	—	1	1	—	—
2410 petro. jelly & waxes	0	—	0	—	—	—
2429 naphtha & solvents	0	—	0	—	—	—
2430 asphalt, tar & pitch	22	17	—	—	5	—
2540 petroleum coke	14	—	14	—	—	—
2640 liquid natural gas	1	0	1	—	—	—
Total chemicals and related products	52	13	39	—	—	—
Subtotal fertilizers	0	—	0	—	—	—
3190 fert. & mixes nec	0	—	0	—	—	—
Subtotal other chemicals and related products	51	13	38	—	—	—
3211 acyclic hydrocarbons	0	—	0	—	—	—
3219 other hydrocarbons	0	—	0	—	—	—
3220 alcohols	2	—	2	—	—	—
3230 carboxylic acids	1	—	1	—	—	—
3240 nitrogen func. comp.	0	—	0	—	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—
3260 organic comp. nec	0	—	0	—	—	—
3273 ammonia	0	—	0	—	—	—
3275 inorg. elem., oxides, & halogen salts	9	0	9	—	—	—
3276 metallic salts	1	—	1	—	—	—
3279 inorganic chem. nec	0	—	0	—	—	—
3282 pigments & paints	4	—	4	—	—	—
3284 medicines	3	2	1	—	—	—
3285 perfumes & cleansers	11	1	10	—	—	—
3286 plastics	3	0	3	—	—	—
3291 pesticides	0	0	0	—	—	—
3292 starches, gluten, glue	2	—	2	—	—	—
3299 chem. products nec	14	10	4	—	—	—
Total crude materials, inedible except fuels	132	13	82	23	14	—
Subtotal forest products, wood and chips	7	5	2	—	—	—
4110 rubber & gums	2	1	0	—	—	—
4161 wood chips	0	—	0	—	—	—
4170 wood in the rough	0	—	0	—	—	—
4189 lumber	4	3	0	—	—	—
4190 forest products nec	2	0	2	—	—	—
Subtotal pulp and waste paper	8	8	0	—	—	—
4225 pulp & waste paper	8	8	0	—	—	—
Subtotal soil, sand, gravel, rock and stone	1	0	0	—	—	—
4322 limestone	0	—	0	—	—	—
4323 gypsum	0	—	0	—	—	—
4331 sand & gravel	1	0	0	—	—	—
Subtotal iron ore and scrap	110	—	72	23	14	—
4420 iron & steel scrap	110	—	72	23	14	—
Subtotal non-ferrous ores and scrap	0	—	0	—	—	—
4650 aluminum ore	0	—	0	—	—	—
Subtotal other non-metal. min.	6	—	6	—	—	—
4900 non-metal. min. nec	6	—	6	—	—	—
Total primary manufactured goods	66	8	58	—	—	—
Subtotal paper products	10	1	9	—	—	—
5110 newsprint	0	—	0	—	—	—
5120 paper & paperboard	0	—	0	—	—	—
5190 paper products nec	10	1	9	—	—	—
Subtotal lime, cement and glass	12	0	12	—	—	—
5240 glass & glass prod.	4	—	4	—	—	—
5290 misc. mineral prod.	8	0	8	—	—	—
Subtotal primary iron and steel products	15	0	15	—	—	—
5312 pig iron	0	—	0	—	—	—
5330 i&s plates & sheets	0	0	0	—	—	—
5360 i&s bars & shapes	2	—	2	—	—	—
5370 i&s pipe & tube	6	—	6	—	—	—
5390 primary i&s nec	7	—	7	—	—	—
Subtotal primary non-ferrous metal products	28	6	21	—	—	—
5421 copper	1	—	1	—	—	—
5422 aluminum	1	0	0	—	—	—
5429 smelted prod. nec	4	—	4	—	—	—
5480 fab. metal products	22	6	16	—	—	—
Subtotal primary wood products	1	—	1	—	—	—
5540 primary wood prod.	1	—	1	—	—	—

DELAWARE RIVER AT CAMDEN, NJ (INCLUDED IN DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total food and farm products	190	82	107	1	---	---
Subtotal fish	0	---	0	---	---	---
6134 fish (not shellfish)	0	---	0	---	---	---
Subtotal grain	0	---	0	---	---	---
6344 corn	0	---	0	---	---	---
Subtotal oilseeds	0	---	0	---	---	---
6521 peanuts	0	---	0	---	---	---
6590 oilseeds nec	0	---	0	---	---	---
Subtotal vegetable products	7	0	7	---	---	---
6653 vegetable oils	2	---	2	---	---	---
6654 vegetables & prod.	5	0	5	---	---	---
Subtotal processed grain and animal feed	8	---	8	---	---	---
6746 wheat flour	1	---	1	---	---	---
6747 grain mill products	1	---	1	---	---	---
6781 hay & fodder	0	---	0	---	---	---
6782 animal feed, prep.	6	---	6	---	---	---
Subtotal other agricultural products	175	82	92	1	---	---
6811 meat, fresh, frozen	1	0	1	---	---	---
6817 meat, prepared	0	---	0	---	---	---
6822 dairy products	12	---	12	---	---	---
6835 fish, prepared	2	0	2	---	---	---
6839 animals & prod. nec	2	---	2	---	---	---
6857 fruit & nuts nec	1	0	1	---	---	---
6858 fruit juices	2	---	2	---	---	---
6861 sugar	0	---	0	---	---	---
6871 coffee	0	---	0	---	---	---
6885 alcoholic beverages	9	4	4	---	---	---
6887 groceries	92	69	23	---	---	---
6888 water & ice	3	0	2	1	---	---
6889 food products nec	51	9	42	---	---	---
6891 tobacco & products	0	---	0	---	---	---
6893 cotton	0	---	0	---	---	---
6899 farm products nec	0	---	0	---	---	---
Total all manufactured equipment, machinery and products	188	31	157	---	---	---
7110 machinery (not elec)	10	1	9	---	---	---
7120 electrical machinery	8	3	5	---	---	---
7210 vehicles & parts	53	4	49	---	---	---
7230 ships & boats	0	0	0	---	---	---
7400 manufac. wood prod.	2	1	1	---	---	---
7500 textile products	3	0	2	---	---	---
7600 rubber & plastic pr.	7	1	6	---	---	---
7900 manufac. prod. nec	104	20	84	---	---	---
Total unknown or not elsewhere classified	0	---	0	---	---	---
9900 unknown or nec	0	---	0	---	---	---

*Includes 54 (x1000) tons of foreign inbound in-transits; Includes 13 (x1000) tons of foreign outbound in-transits;
 Includes 0 (x1000) tons of Canadian outbound in-transits.

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	117,300	1992	113,484	1995	121,422	1998	116,029
1990	125,941	1993	120,824	1996	104,292		
1991	110,201	1994	120,692	1997	112,605		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports*	Through Upbound
				Upbound	Downbnd			
Total, all commodities	71,910	63,000	1,137	2,564	629	3,654	318	608
Total coal	188	93	62	3	0	---	30	---
1100 coal lignite	144	92	52	---	0	---	---	---
1200 coal coke	44	1	10	3	---	---	30	---
Total petroleum and petroleum products	57,487	53,432	164	437	221	2,870	167	195
Subtotal crude petroleum	54,913	52,082	---	---	---	2,652	---	180
2100 crude petroleum	54,913	52,082	---	---	---	2,652	---	180

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports*	Through Upbound
				Upbound	Downbnd			
Subtotal petroleum products	2,574	1,350	164	437	221	218	167	16
2211 gasoline	167	111	49	6	—	—	—	—
2221 kerosene	22	3	—	—	—	—	19	—
2330 distillate fuel oil	173	92	16	37	28	—	—	—
2340 residual fuel oil	1,697	1,013	0	394	51	195	36	7
2350 lube oil & greases	29	0	24	—	3	—	1	—
2410 petro. jelly & waxes	6	4	1	—	0	—	—	—
2429 naphtha & solvents	142	89	1	—	4	—	49	—
2430 asphalt, tar & pitch	28	—	1	—	—	—	18	9
2540 petroleum coke	261	30	37	—	128	23	43	—
2640 liquid natural gas	49	7	35	—	6	—	—	—
Total chemicals and related products	1,394	868	245	109	30	6	96	41
Subtotal fertilizers	172	115	2	53	2	0	—	—
3110 nitrogenous fert.	143	90	0	53	0	0	—	—
3120 phosphatic fert.	0	0	—	—	—	—	—	—
3130 potassic fert.	1	1	0	0	—	—	—	—
3190 fert. & mixes nec	28	25	2	0	1	—	—	—
Subtotal other chemicals and related products	1,222	753	242	56	28	6	96	41
3211 acyclic hydrocarbons	82	43	38	—	0	—	—	—
3212 benzene & toluene	140	0	0	11	—	2	86	41
3219 other hydrocarbons	32	15	7	0	0	—	10	—
3220 alcohols	129	107	13	5	0	3	0	—
3230 carboxylic acids	40	30	9	—	1	—	—	—
3240 nitrogen func. comp.	18	2	15	—	0	0	—	—
3250 organo - inorg. comp.	6	2	4	0	0	—	—	—
3260 organic comp. nec	364	338	12	13	0	—	—	—
3272 sulphuric acid	0	0	0	—	0	—	—	—
3273 ammonia	0	—	0	—	—	—	—	—
3274 sodium hydroxide	77	76	1	—	0	—	0	—
3275 inorg. elem., oxides, & halogen salts	34	26	5	2	0	—	—	—
3276 metallic salts	47	11	9	23	4	—	0	—
3279 inorganic chem. nec	3	1	1	2	0	—	—	—
3281 radioactive material	1	0	0	—	—	—	—	—
3282 pigments & paints	24	1	21	0	2	—	0	—
3283 coloring mat. nec	5	2	2	—	0	—	—	—
3284 medicines	12	6	6	0	0	—	—	—
3285 perfumes & cleansers	22	12	7	0	3	—	0	—
3286 plastics	121	42	68	0	11	0	0	—
3291 pesticides	6	3	3	—	0	—	—	—
3292 starches, gluten, glue	34	29	2	0	3	—	0	—
3293 explosives	0	0	0	—	—	—	—	—
3297 chemical additives	8	0	7	—	1	—	—	—
3298 wood & resin chem.	2	2	0	—	0	—	—	—
3299 chem. products nec	17	4	12	—	2	—	0	—
Total crude materials, inedible except fuels	2,640	1,083	181	198	68	716	23	372
Subtotal forest products, wood and chips	98	49	6	0	4	2	0	36
4110 rubber & gums	1	1	0	—	0	—	—	—
4150 fuel wood	0	—	—	—	0	—	—	—
4170 wood in the rough	2	1	1	—	0	—	—	—
4189 lumber	83	38	3	0	4	2	—	36
4190 forest products nec	12	9	2	0	0	—	0	—
Subtotal pulp and waste paper	131	71	15	2	25	—	18	—
4225 pulp & waste paper	131	71	15	2	25	—	18	—
Subtotal soil, sand, gravel, rock and stone	1,394	386	11	—	1	655	5	336
4310 building stone	2	0	2	—	0	—	—	—
4322 limestone	29	29	—	—	—	—	—	—
4323 gypsum	1,353	357	0	—	0	655	5	336
4327 phosphate rock	2	—	2	—	—	—	—	—
4331 sand & gravel	8	0	7	—	0	—	—	—
Subtotal iron ore and scrap	306	139	74	—	34	58	—	—
4410 iron ore	197	139	0	—	—	58	—	—
4420 iron & steel scrap	109	1	74	—	34	—	—	—
Subtotal marine shells	0	0	—	—	—	—	—	—
4515 marine shells	0	0	—	—	—	—	—	—
Subtotal non-ferrous ores and scrap	132	96	3	33	0	—	—	—
4650 aluminum ore	1	1	0	—	0	—	—	—
4680 non-ferrous scrap	34	19	1	14	0	—	—	—
4690 non-ferrous ores nec	96	76	1	19	0	—	—	—
Subtotal sulphur, clay and salt	101	36	29	37	0	—	—	—
4741 sulphur, (dry)	5	5	0	—	—	—	—	—

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports*	Through Upbound
				Upbound	Downbnd			
4782 clay & refrac. mat.	96	31	29	37	0	—	—	—
Subtotal slag	50	50	—	—	—	—	—	—
4860 slag	50	50	—	—	—	—	—	—
Subtotal other non-metal. min.	428	256	43	126	3	0	—	—
4900 non-metal. min. nec	428	256	43	126	3	0	—	—
Total primary manufactured goods	6,115	5,376	229	339	109	61	1	—
Subtotal paper products	1,088	838	98	3	89	60	0	—
5110 newsprint	179	119	0	—	1	58	—	—
5120 paper & paperboard	884	714	81	2	84	2	0	—
5190 paper products nec	25	4	16	0	5	0	—	—
Subtotal lime, cement and glass	326	296	25	0	5	—	—	—
5210 lime	0	—	—	—	0	—	—	—
5220 cement & concrete	259	258	0	—	0	—	—	—
5240 glass & glass prod.	28	15	12	0	1	—	—	—
5290 misc. mineral prod.	39	22	12	0	4	—	—	—
Subtotal primary iron and steel products	4,213	3,810	65	334	3	—	1	—
5312 pig iron	3	—	3	—	0	—	—	—
5315 ferro alloys	41	41	0	0	0	—	—	—
5320 i&s primary forms	1,452	1,418	0	34	0	—	—	—
5330 i&s plates & sheets	1,735	1,607	49	77	2	—	0	—
5360 i&s bars & shapes	725	511	5	209	0	—	—	—
5370 i&s pipe & tube	93	83	6	2	0	—	1	—
5390 primary i&s nec	164	150	1	13	0	—	—	—
Subtotal primary non-ferrous metal products	136	82	42	1	11	0	0	—
5421 copper	20	10	4	1	5	—	0	—
5422 aluminum	47	28	16	0	3	0	—	—
5429 smelted prod. nec	29	20	9	0	0	—	0	—
5480 fab. metal products	40	24	13	1	3	0	0	—
Subtotal primary wood products	352	351	1	—	0	0	—	—
5540 primary wood prod.	352	351	1	—	0	0	—	—
Total food and farm products	3,487	1,910	103	1,386	85	2	1	—
Subtotal fish	34	14	4	14	1	—	0	—
6134 fish (not shellfish)	24	9	3	12	0	—	0	—
6136 shellfish	10	5	1	3	1	—	—	—
Subtotal grain	37	33	0	3	1	—	—	—
6344 corn	35	32	0	3	0	—	—	—
6442 rice	1	1	0	—	—	—	—	—
6443 barley & rye	0	—	0	—	0	—	—	—
6445 oats	0	—	0	—	0	—	—	—
Subtotal oilseeds	16	15	0	0	0	—	—	—
6521 peanuts	1	1	0	—	—	—	—	—
6522 soybeans	11	11	—	0	—	—	—	—
6534 flaxseed	0	—	—	—	0	—	—	—
6590 oilseeds nec	3	3	0	—	0	—	—	—
Subtotal vegetable products	110	22	24	28	35	1	—	—
6653 vegetable oils	1	0	0	—	0	—	—	—
6654 vegetables & prod.	109	22	23	28	35	1	—	—
Subtotal processed grain and animal feed	21	5	10	0	7	0	—	—
6746 wheat flour	1	—	0	—	1	0	—	—
6747 grain mill products	8	2	3	0	3	—	—	—
6781 hay & fodder	1	0	0	—	0	—	—	—
6782 animal feed, prep.	12	3	6	—	3	—	—	—
Subtotal other agricultural products	3,269	1,820	66	1,341	42	0	0	—
6811 meat, fresh, frozen	355	283	15	53	4	0	—	—
6817 meat, prepared	33	25	0	1	7	0	—	—
6822 dairy products	104	80	17	—	6	0	0	—
6835 fish, prepared	3	2	0	0	0	0	—	—
6838 tallow, animal oils	1	0	1	—	0	—	—	—
6839 animals & prod. nec	20	16	2	1	1	—	—	—
6856 bananas & plantains	1,440	490	0	951	—	—	—	—
6857 fruit & nuts nec	785	516	3	262	5	0	—	—
6858 fruit juices	124	47	2	71	3	—	—	—
6861 sugar	0	0	0	—	0	—	—	—
6865 molasses	0	0	—	—	0	—	—	—
6871 coffee	34	34	0	0	0	—	—	—
6872 cocoa beans	229	227	1	0	0	—	—	—
6885 alcoholic beverages	70	65	3	—	2	0	0	—
6888 water & ice	1	0	0	0	0	—	—	—
6889 food products nec	49	22	16	2	9	0	—	—
6891 tobacco & products	9	6	2	—	1	—	—	—
6893 cotton	8	6	0	—	2	—	—	—

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports*	Through Upbound
				Upbound	Downbnd			
6894 natural fibers nec	0	0	0	—	—	—	—	—
6899 farm products nec	4	1	3	0	1	—	—	—
Total all manufactured equipment, machinery and products	573	233	138	93	109	0	0	—
7110 machinery (not elec)	109	60	42	2	6	0	0	—
7120 electrical machinery	35	16	11	3	4	0	0	—
7210 vehicles & parts	237	53	21	85	77	—	0	—
7220 aircraft & parts	0	—	0	—	0	—	—	—
7230 ships & boats	1	0	1	—	1	—	—	—
7300 ordnance & access.	1	0	0	0	0	—	—	—
7400 manufac. wood prod.	14	11	1	0	1	—	—	—
7500 textile products	47	17	21	1	9	0	0	—
7600 rubber & plastic pr.	45	22	18	0	4	0	0	—
7900 manufac. prod. nec	83	53	22	1	7	0	0	—
Total unknown or not elsewhere classified	26	5	14	0	7	0	0	—
9900 unknown or nec	26	5	14	0	7	0	0	—
Ton-miles (x1000) Foreign & Canadian	6,517,237	5,834,025	112,654	183,422	44,280	266,314	31,504	45,038

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	17,804	3,473	8,352	1,629	4,350
Total coal	1,292	8	26	—	1,258
1100 coal lignite	1,292	8	26	—	1,258
Total petroleum and petroleum products	12,813	1,454	7,371	1,078	2,910
Subtotal crude petroleum	374	44	317	—	13
2100 crude petroleum	374	44	317	—	13
Subtotal petroleum products	12,439	1,410	7,054	1,078	2,897
2211 gasoline	2,434	311	1,510	312	301
2221 kerosene	104	4	85	12	3
2330 distillate fuel oil	3,330	241	2,544	252	294
2340 residual fuel oil	4,708	337	1,918	227	2,227
2350 lube oil & greases	469	404	62	—	4
2410 petro. jelly & waxes	75	19	0	56	—
2429 naphtha & solvents	192	46	99	—	46
2430 asphalt, tar & pitch	1,083	45	795	220	23
2540 petroleum coke	14	—	14	—	—
2640 liquid natural gas	1	0	1	—	—
2990 petro. products nec	28	2	26	—	—
Total chemicals and related products	2,136	1,766	301	55	14
Subtotal fertilizers	0	0	0	—	—
3110 nitrogenous fert.	0	0	0	—	—
3190 fert. & mixes nec	0	—	0	—	—
Subtotal other chemicals and related products	2,136	1,766	300	55	14
3211 acyclic hydrocarbons	3	—	3	—	—
3212 benzene & toluene	10	3	7	—	—
3219 other hydrocarbons	362	337	1	13	11
3220 alcohols	128	82	43	—	2
3230 carboxylic acids	9	8	1	—	—
3240 nitrogen func. comp.	2	—	1	—	1
3250 organo - inorg. comp.	0	—	0	—	—
3260 organic comp. nec	160	—	160	—	0
3272 sulphuric acid	13	3	8	1	—
3273 ammonia	1	0	0	—	—
3274 sodium hydroxide	223	197	7	19	—
3275 inorg. elem.,oxides, & halogen salts	13	3	10	—	—
3276 metallic salts	2	0	2	—	—
3279 inorganic chem. nec	0	0	0	—	—
3282 pigments & paints	4	0	4	—	—
3283 coloring mat. nec	1	0	1	—	—
3284 medicines	40	35	5	—	0
3285 perfumes & cleansers	23	5	18	—	—
3286 plastics	13	1	12	—	0
3291 pesticides	1	1	0	—	—
3292 starches, gluten, glue	5	2	3	—	—
3293 explosives	0	0	0	—	—
3297 chemical additives	1,080	1,059	—	22	—
3298 wood & resin chem.	19	18	1	—	—
3299 chem. products nec	22	13	9	0	—

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total crude materials, inedible except fuels	167	16	97	0	53
Subtotal forest products, wood and chips	9	5	4	0	0
4110 rubber & gums	2	1	0	—	—
4161 wood chips	0	—	0	—	—
4170 wood in the rough	0	0	0	—	—
4189 lumber	4	3	0	0	0
4190 forest products nec	4	0	4	—	—
Subtotal pulp and waste paper	8	8	0	—	—
4225 pulp & waste paper	8	8	0	—	—
Subtotal soil, sand, gravel, rock and stone	41	0	3	—	38
4322 limestone	40	—	2	—	38
4323 gypsum	0	—	0	—	—
4331 sand & gravel	1	0	1	—	—
Subtotal iron ore and scrap	94	1	77	—	15
4420 iron & steel scrap	94	1	77	—	15
Subtotal marine shells	0	—	0	—	—
4515 marine shells	0	—	0	—	—
Subtotal non-ferrous ores and scrap	2	1	0	—	—
4650 aluminum ore	0	—	0	—	—
4680 non-ferrous scrap	1	1	—	—	—
Subtotal sulphur, clay and salt	0	0	0	—	—
4741 sulphur, (dry)	0	—	0	—	—
4782 clay & refrac. mat.	0	0	0	—	—
Subtotal slag	0	—	0	—	—
4860 slag	0	—	0	—	—
Subtotal other non-metal. min.	12	0	12	—	—
4900 non-metal. min. nec	12	0	12	—	—
Total primary manufactured goods	630	46	95	412	77
Subtotal paper products	28	4	22	3	0
5110 newsprint	1	—	1	—	—
5120 paper & paperboard	9	0	6	3	0
5190 paper products nec	18	4	15	0	—
Subtotal lime, cement and glass	469	1	18	373	77
5220 cement & concrete	450	0	0	373	77
5240 glass & glass prod.	9	0	9	—	—
5290 misc. mineral prod.	9	0	9	0	—
Subtotal primary iron and steel products	65	19	19	27	—
5312 pig iron	0	—	0	—	—
5330 i&s plates & sheets	1	0	1	—	—
5360 i&s bars & shapes	2	—	2	—	—
5370 i&s pipe & tube	8	0	8	—	—
5390 primary i&s nec	54	19	8	27	—
Subtotal primary non-ferrous metal products	67	22	34	10	0
5421 copper	1	0	1	—	—
5422 aluminum	2	0	1	—	—
5429 smelted prod. nec	9	0	9	—	—
5480 fab. metal products	55	22	23	10	0
Subtotal primary wood products	1	—	1	—	—
5540 primary wood prod.	1	—	1	—	—
Total food and farm products	334	117	216	1	0
Subtotal fish	2	1	1	—	—
6134 fish (not shellfish)	2	1	0	—	—
6136 shellfish	0	—	0	—	—
Subtotal grain	0	—	0	—	—
6344 corn	0	—	0	—	—
6443 barley & rye	0	—	0	—	—
Subtotal oilseeds	0	—	0	—	—
6521 peanuts	0	—	0	—	—
6590 oilseeds nec	0	—	0	—	—
Subtotal vegetable products	26	3	23	0	—
6653 vegetable oils	3	0	3	—	—
6654 vegetables & prod.	22	3	19	0	—
Subtotal processed grain and animal feed	17	0	16	—	—
6746 wheat flour	1	—	1	—	—
6747 grain mill products	8	0	8	—	—
6781 hay & fodder	0	—	0	—	—
6782 animal feed, prep.	7	0	7	—	—
Subtotal other agricultural products	290	112	176	1	0
6811 meat, fresh, frozen	9	0	8	—	0
6817 meat, prepared	4	0	4	—	0
6822 dairy products	20	0	20	—	—
6835 fish, prepared	12	10	2	—	—
6838 tallow, animal oils	0	—	0	—	—
6839 animals & prod. nec	5	0	5	—	—
6857 fruit & nuts nec	3	1	2	—	—
6858 fruit juices	9	1	8	—	—
6861 sugar	0	—	0	—	—
6865 molasses	0	0	—	—	—
6871 coffee	0	0	0	—	—

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
6872 cocoa beans	1	1	—	—	—
6885 alcoholic beverages	12	5	6	1	—
6887 groceries	107	70	36	—	—
6888 water & ice	5	0	5	—	—
6889 food products nec	101	23	78	0	—
6891 tobacco & products	1	0	1	—	—
6893 cotton	0	—	0	—	—
6899 farm products nec	0	—	0	—	—
Total all manufactured equipment, machinery and products	430	65	246	82	37
7110 machinery (not elec)	19	2	16	—	—
7120 electrical machinery	26	11	15	0	—
7210 vehicles & parts	57	5	52	0	—
7220 aircraft & parts	0	0	—	—	—
7230 ships & boats	0	0	0	—	—
7300 ordnance & access.	0	—	0	—	—
7400 manufac. wood prod.	5	2	3	0	—
7500 textile products	16	7	9	—	—
7600 rubber & plastic pr.	18	3	13	2	0
7800 empty containers	1	0	0	—	—
7900 manufac. prod. nec	288	35	136	80	37
Total waste and scrap nec	0	0	0	—	—
8900 waste and scrap nec	0	0	0	—	—
Total unknown or not elsewhere classified	3	1	2	—	—
9900 unknown or nec	3	1	2	—	—
Ton-miles (x1000) Coastwise	1,468,512	315,465	688,708	110,113	354,226

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	26,315	2,938	1,818	958	3,123	151	574	15,361	1,392
Total coal	1,347	1,339	—	—	8	—	—	—	—
1100 coal lignite	1,339	1,339	—	—	—	—	—	—	—
1200 coal coke	8	—	—	—	8	—	—	—	—
Total petroleum and petroleum products	23,427	1,190	1,811	924	2,708	109	490	14,949	1,246
Subtotal crude petroleum	13,033	485	—	80	—	—	—	12,468	—
2100 crude petroleum	13,033	485	—	80	—	—	—	12,468	—
Subtotal petroleum products	10,394	705	1,811	845	2,708	109	490	2,481	1,246
2211 gasoline	1,673	80	32	93	326	23	91	955	71
2221 kerosene	27	—	4	—	5	—	—	16	2
2330 distillate fuel oil	3,308	137	1,307	142	650	36	110	569	357
2340 residual fuel oil	4,111	488	425	456	798	45	283	837	779
2350 lube oil & greases	10	0	1	—	0	—	0	2	7
2429 naphtha & solvents	209	—	42	61	29	—	—	49	29
2430 asphalt, tar & pitch	1,023	—	—	92	885	5	6	35	—
2540 petroleum coke	14	—	—	—	14	—	—	—	—
2990 petro. products nec	18	—	—	—	—	—	—	18	—
Total chemicals and related products	1,394	377	—	33	365	—	81	408	129
Subtotal fertilizers	39	32	—	—	7	—	—	—	—
3110 nitrogenous fert.	39	32	—	—	7	—	—	—	—
Subtotal other chemicals and related products	1,355	344	—	33	358	—	81	408	129

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
3219 other hydrocarbons	713	339	—	—	1	—	—	373	—
3220 alcohols	272	—	—	—	185	—	81	—	5
3272 sulphuric acid	54	—	—	—	26	—	—	2	26
3274 sodium hydroxide	63	5	—	—	22	—	—	4	32
3276 metallic salts	126	—	—	4	122	—	—	—	—
3297 chemical additives	116	—	—	22	—	—	—	29	65
3299 chem. products nec	11	—	—	8	2	—	—	—	2
Total crude materials, inedible except fuels	69	23	6	—	28	9	3	—	—
Subtotal soil, sand, gravel, rock and stone	1	—	—	—	1	—	—	—	—
4331 sand & gravel	1	—	—	—	1	—	—	—	—
Subtotal iron ore and scrap	48	23	—	—	14	8	3	—	—
4420 iron & steel scrap	48	23	—	—	14	8	3	—	—
Subtotal marine shells	18	—	6	—	13	—	—	—	—
4515 marine shells	18	—	6	—	13	—	—	—	—
Subtotal non-ferrous ores and scrap	1	—	—	—	—	1	—	—	—
4690 non-ferrous ores nec	1	—	—	—	—	1	—	—	—
Total primary manufactured goods	38	0	—	—	10	28	0	0	—
Subtotal primary iron and steel products	22	—	—	—	7	15	0	—	—
5330 i&s plates & sheets	15	—	—	—	—	15	—	—	—
5360 i&s bars & shapes	3	—	—	—	3	—	0	—	—
5390 primary i&s nec	4	—	—	—	4	—	—	—	—
Subtotal primary non-ferrous metal products	4	0	—	—	3	—	—	0	—
5480 fab. metal products	4	0	—	—	3	—	—	0	—
Subtotal primary wood products	13	—	—	—	—	13	—	—	—
5540 primary wood prod.	13	—	—	—	—	13	—	—	—
Total food and farm products	33	9	1	0	—	5	—	2	16
Subtotal fish	5	0	—	0	—	5	—	—	—
6134 fish (not shellfish)	5	—	—	0	—	5	—	—	—
6136 shellfish	0	0	—	0	—	0	—	—	—
Subtotal other agricultural products	28	9	1	—	—	—	—	2	16
6887 groceries	11	9	0	—	—	—	—	—	3
6888 water & ice	17	0	1	—	—	—	—	2	13
Total all manufactured equipment, machinery and products	6	0	—	0	5	—	—	1	1
7110 machinery (not elec)	0	—	—	0	0	—	—	—	—

DELAWARE RIVER, TRENTON, NJ TO THE SEA (CONSOLIDATED REPORT)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
7900 manufac. prod. nec	6	0	—	—	4	—	—	1	1
Ton-miles Internal (x1000)	1,171,826	125,256	25,417	19,096	61,686	2,427	13,502	903,119	21,323
Tons All Traffic (x1000)					116,029				
Ton-miles All Traffic (x1000)					9,157,585				

*Includes 492 (x1000) tons of foreign inbound in-transits; Includes 132 (x1000) tons of foreign outbound in-transits; Includes 12 (x1000) tons of Canadian outbound in-transits.

SUMMARY OF TRAFFIC DELAWARE RIVER AND TRIBUTARIES, TRENTON, NJ TO THE SEA
Freight Traffic, 1998
(thousand short tons)

Locality	Total	*Foreign-Canadian		Domestic					
		Imports	Exports	Coastwise		Internal			
				Receipts	Shipmnts	Receipts	Shipments	Intraport	
ARTIFICIAL ISLAND NJ AND VICINITY	38	0	38	—	—	—	—	—	—
BORDENTOWN-FIELDSBORO NJ	—	—	—	—	—	—	—	—	—
BRISTOL PA AND VICINITY	46	—	—	—	—	46	—	—	—
BURLINGTON-FLORENCE-ROEBLING NJ	619	345	—	—	—	273	—	—	—
CAMDEN-GLOUCESTER NJ	5,492	2,531	284	574	533	714	790	66	—
CHESTER AREA, PA	3,388	2,744	158	28	—	317	141	—	—
LOWER DELAWARE BAY DEL	15,978	3,376	19	—	337	207	12,029	9	—
LOWER DELAWARE BAY NJ	720	—	—	—	—	6	702	13	—
MARCUS HOOK, PA	22,743	10,980	92	946	1,129	6,555	2,892	150	—
NEW CASTLE AREA, DE	5,340	815	5	209	2,186	1,528	597	—	—
PAULSBORO, NJ	23,504	12,929	54	700	3,643	3,406	2,581	191	—
PENN MANOR AREA, PA	1,686	1,433	71	34	6	113	29	—	—
PENNSGROVE-CARNEY POINT NJ	434	—	—	9	—	425	—	—	—
PHILADELPHIA HARBOR, PA	47,466	31,654	771	1,079	3,164	6,626	2,745	1,426	—
RIVERTON-DELANCO-BEVERLY NJ	—	—	—	—	—	—	—	—	—
THOMPSON POINT NJ AND VICINITY	40	—	—	—	—	40	—	—	—
TRENTON HARBOR, NJ	1,307	—	—	—	—	1,307	—	—	—
WILMINGTON HARBOR, DE	4,998	3,018	591	231	4	699	408	47	—
TOTAL (UNADJUSTED)	133,801	69,826	2,084	3,810	11,002	22,263	22,914	1,902	—
NET VOLUME OF TONNAGE FOR THE AREA	113,738	69,826	2,084	3,810	11,002		25,114	1,902	—

*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
1989	7,694	1992	8,167	1995	7,796	1998	7,508
1990	9,120	1993	9,119	1996	6,476		
1991	8,096	1994	8,725	1997	6,993		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign	Canadian
		Imports	Imports
Total, all commodities	154	65	89
Total petroleum and petroleum products	53	44	9
Subtotal petroleum products	53	44	9
2211 gasoline	6	6	—
2340 residual fuel oil	37	37	—
2430 asphalt, tar & pitch	9	—	9
Total chemicals and related products	52	11	41
Subtotal other chemicals and related products	52	11	41
3212 benzene & toluene	52	11	41

SCHUYLKILL RIVER, PA (INCLUDED IN PHILADELPHIA HARBOR, PA)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign	Canadian
		Imports	Imports
Total crude materials, inedible except fuels	50	11	39
Subtotal soil, sand, gravel, rock and stone	39	—	39
4323 gypsum	39	—	39
Subtotal other non-metal. min.	11	11	—
4900 non-metal. min. nec	11	11	—
Ton-miles (x1000) Foreign & Canadian	616	259	356

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	7,354	106	2,646	1,084	2,859	595	63
Total petroleum and petroleum products	6,833	71	2,631	1,042	2,435	592	63
Subtotal crude petroleum	13	—	13	—	—	—	—
2100 crude petroleum	13	—	13	—	—	—	—
Subtotal petroleum products	6,820	71	2,618	1,042	2,435	592	63
2211 gasoline	455	21	151	126	84	70	3
2221 kerosene	23	—	3	5	4	11	—
2330 distillate fuel oil	2,111	2	192	238	1,471	164	45
2340 residual fuel oil	3,901	5	2,223	514	826	316	16
2350 lube oil & greases	5	—	4	—	1	—	—
2429 naphtha & solvents	179	—	46	61	42	30	—
2430 asphalt, tar & pitch	146	43	—	97	6	—	—
Total chemicals and related products	493	35	—	34	421	3	—
Subtotal other chemicals and related products	493	35	—	34	421	3	—
3219 other hydrocarbons	353	13	—	1	339	—	—
3220 alcohols	81	—	—	—	81	—	—
3276 metallic salts	4	—	—	4	—	—	—
3297 chemical additives	47	22	—	22	—	3	—
3299 chem. products nec	8	—	—	8	—	—	—
Total crude materials, inedible except fuels	26	—	15	8	3	—	—
Subtotal iron ore and scrap	26	—	15	8	3	—	—
4420 iron & steel scrap	26	—	15	8	3	—	—
Total food and farm products	1	—	—	—	1	—	—
Subtotal other agricultural products	1	—	—	—	1	—	—
6887 groceries	0	—	—	—	0	—	—
6888 water & ice	1	—	—	—	1	—	—
Ton-miles (x1000) Domestic	25,190	340	8,469	4,583	11,007	727	64
Tons All Traffic (x1000)	7,508						
Ton-miles All Traffic (x1000)	25,808						

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
1989	36,060	1992	39,667	1995	40,634	1998	47,466
1990	41,830	1993	42,708	1996	41,882		
1991	37,257	1994	40,746	1997	44,968		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports*
Total, all commodities	32,425	31,092	552	561	220
Total coal	75	67	8	—	—
1100 coal lignite	69	66	3	—	—

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, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports*
1200 coal coke	6	1	5	—	—
Total petroleum and petroleum products	25,869	25,606	12	147	105
Subtotal crude petroleum	25,159	25,102	—	57	—
2100 crude petroleum	25,159	25,102	—	57	—
Subtotal petroleum products	709	503	12	90	105
2211 gasoline	118	118	0	—	—
2221 kerosene	19	—	—	—	19
2330 distillate fuel oil	65	65	0	—	—
2340 residual fuel oil	371	262	0	73	36
2350 lube oil & greases	4	0	4	—	—
2410 petro. jelly & waxes	5	4	1	—	—
2429 naphtha & solvents	105	55	1	—	49
2430 asphalt, tar & pitch	10	—	1	9	—
2540 petroleum coke	8	—	0	8	—
2640 liquid natural gas	5	—	5	—	—
Total chemicals and related products	653	374	139	43	96
Subtotal fertilizers	115	114	1	—	—
3110 nitrogenous fert.	90	90	0	—	—
3130 potassic fert.	1	1	0	—	—
3190 fert. & mixes nec	24	23	1	—	—
Subtotal other chemicals and related products	538	261	138	43	96
3211 acyclic hydrocarbons	43	6	37	—	—
3212 benzene & toluene	140	11	0	43	86
3219 other hydrocarbons	21	9	2	—	10
3220 alcohols	36	28	8	—	—
3230 carboxylic acids	28	25	3	—	—
3240 nitrogen func. comp.	5	1	5	—	—
3250 organo - inorg. comp.	3	1	3	—	—
3260 organic comp. nec	59	52	7	—	—
3272 sulphuric acid	0	0	0	—	—
3274 sodium hydroxide	65	65	0	—	0
3275 inorg. elem., oxides, & halogen salts	19	16	4	—	—
3276 metallic salts	9	3	6	—	0
3279 inorganic chem. nec	1	1	0	—	—
3281 radioactive material	1	0	0	—	—
3282 pigments & paints	8	0	8	—	0
3283 coloring mat. nec	3	1	2	—	—
3284 medicines	2	0	2	—	—
3285 perfumes & cleansers	13	10	4	—	0
3286 plastics	40	8	32	—	0
3291 pesticides	2	0	2	—	—
3292 starches, gluten, glue	25	23	1	—	0
3293 explosives	0	0	0	—	—
3297 chemical additives	5	0	5	—	—
3298 wood & resin chem.	2	1	0	—	—
3299 chem. products nec	8	1	7	—	0
Total crude materials, inedible except fuels	859	441	90	311	18
Subtotal forest products, wood and chips	43	36	5	2	0
4110 rubber & gums	0	0	0	—	—
4170 wood in the rough	1	0	1	—	—
4189 lumber	30	26	2	2	—
4190 forest products nec	11	9	2	—	0
Subtotal pulp and waste paper	100	69	13	—	18
4225 pulp & waste paper	100	69	13	—	18
Subtotal soil, sand, gravel, rock and stone	367	108	9	250	—
4310 building stone	1	0	1	—	—
4323 gypsum	358	108	0	250	—
4327 phosphate rock	2	—	2	—	—
4331 sand & gravel	7	0	7	—	—
Subtotal iron ore and scrap	228	139	30	58	—
4410 iron ore	197	139	0	58	—
4420 iron & steel scrap	31	1	30	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—
Subtotal non-ferrous ores and scrap	4	3	1	—	—
4650 aluminum ore	1	1	0	—	—
4680 non-ferrous scrap	2	1	1	—	—
4690 non-ferrous ores nec	1	1	0	—	—
Subtotal sulphur, clay and salt	12	11	1	—	—
4782 clay & refrac. mat.	12	11	1	—	—
Subtotal slag	3	3	—	—	—
4860 slag	3	3	—	—	—
Subtotal other non-metal. min.	101	71	30	—	—
4900 non-metal. min. nec	101	71	30	—	—
Total primary manufactured goods	3,503	3,298	144	60	0
Subtotal paper products	940	809	70	60	0
5110 newsprint	161	102	0	58	—
5120 paper & paperboard	766	704	60	2	0
5190 paper products nec	13	3	10	0	—

PHILADELPHIA HARBOR, PA (INCLUDED IN DELAWARE RIVER BETWEEN PHILADELPHIA, PA AND TRENTON, NJ; DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA AND SCHUYLKILL RIVER, PA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports*
Subtotal lime, cement and glass	95	81	14	—	—
5220 cement & concrete	63	63	—	—	—
5240 glass & glass prod.	18	10	8	—	—
5290 misc. mineral prod.	14	8	6	—	—
Subtotal primary iron and steel products	2,223	2,191	32	—	—
5312 pig iron	2	—	2	—	—
5315 ferro alloys	29	29	0	—	—
5320 i&s primary forms	1,224	1,224	0	—	—
5330 i&s plates & sheets	613	587	26	—	—
5360 i&s bars & shapes	255	254	1	—	—
5370 i&s pipe & tube	44	43	1	—	—
5390 primary i&s nec	55	54	1	—	—
Subtotal primary non-ferrous metal products	82	55	27	0	0
5421 copper	13	9	4	—	0
5422 aluminum	24	16	8	—	—
5429 smelted prod. nec	24	19	6	—	0
5480 fab. metal products	20	11	9	0	—
Subtotal primary wood products	163	163	1	0	—
5540 primary wood prod.	163	163	1	0	—
Total food and farm products	1,212	1,142	69	0	0
Subtotal fish	16	14	2	—	0
6134 fish (not shellfish)	10	8	1	—	0
6136 shellfish	6	5	1	—	—
Subtotal grain	22	22	0	—	—
6344 corn	21	21	0	—	—
6442 rice	1	1	0	—	—
6443 barley & rye	0	—	0	—	—
6445 oats	0	—	0	—	—
Subtotal oilseeds	10	10	0	—	—
6521 peanuts	1	1	0	—	—
6522 soybeans	6	6	—	—	—
6590 oilseeds nec	3	2	0	—	—
Subtotal vegetable products	35	17	17	—	—
6653 vegetable oils	1	0	0	—	—
6654 vegetables & prod.	34	17	17	—	—
Subtotal processed grain and animal feed	12	4	8	—	—
6746 wheat flour	0	—	0	—	—
6747 grain mill products	4	1	3	—	—
6781 hay & fodder	0	0	0	—	—
6782 animal feed, prep.	8	3	5	—	—
Subtotal other agricultural products	1,116	1,074	42	0	0
6811 meat, fresh, frozen	250	239	11	—	—
6817 meat, prepared	24	24	0	—	—
6822 dairy products	88	80	7	—	—
6835 fish, prepared	2	2	0	—	—
6838 tallow, animal oils	0	0	0	—	—
6839 animals & prod. nec	18	16	2	—	—
6856 bananas & plantains	270	270	0	—	—
6857 fruit & nuts nec	223	222	2	—	—
6858 fruit juices	16	15	1	—	—
6861 sugar	0	0	0	—	—
6865 molasses	0	0	—	—	—
6871 coffee	30	30	—	—	—
6872 cocoa beans	137	137	0	—	—
6885 alcoholic beverages	20	17	2	0	0
6888 water & ice	0	0	0	—	—
6889 food products nec	29	18	11	0	—
6891 tobacco & products	4	3	1	—	—
6893 cotton	1	1	0	—	—
6894 natural fibers nec	0	—	0	—	—
6899 farm products nec	3	1	3	—	—
Total all manufactured equipment, machinery and products	245	162	83	0	0
7110 machinery (not elec)	64	42	21	0	0
7120 electrical machinery	21	14	7	0	0
7210 vehicles & parts	61	46	15	—	0
7220 aircraft & parts	0	—	0	—	—
7230 ships & boats	1	0	1	—	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	8	7	1	—	—
7500 textile products	22	8	13	—	—
7600 rubber & plastic pr.	20	10	10	0	0
7900 manufac. prod. nec	49	35	14	0	0
Total unknown or not elsewhere classified	10	3	7	0	—
9900 unknown or nec	10	3	7	0	—

PHILADELPHIA HARBOR, PA (INCLUDED IN DELAWARE RIVER BETWEEN PHILADELPHIA, PA AND TRENTON, NJ; DELAWARE RIVER, PHILADELPHIA, PA TO THE SEA AND SCHUYLKILL RIVER, PA
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	15,041	1,079	3,164	6,626	2,745	1,426
Total coal	8	—	0	8	—	—
1100 coal lignite	8	—	0	8	—	—
Total petroleum and petroleum products	12,570	244	2,667	6,478	2,410	771
Subtotal crude petroleum	5,024	—	13	5,011	—	—
2100 crude petroleum	5,024	—	13	5,011	—	—
Subtotal petroleum products	7,547	244	2,654	1,467	2,410	771
2211 gasoline	495	61	151	126	84	73
2221 kerosene	23	—	3	5	4	11
2330 distillate fuel oil	2,228	36	192	296	1,461	245
2340 residual fuel oil	4,402	77	2,257	861	819	387
2350 lube oil & greases	20	6	4	—	6	3
2410 petro. jelly & waxes	19	19	0	—	—	—
2429 naphtha & solvents	193	—	47	74	21	51
2430 asphalt, tar & pitch	164	44	—	106	14	—
2540 petroleum coke	0	—	0	—	—	—
2640 liquid natural gas	1	0	0	—	—	—
2990 petro. products nec	1	1	0	—	—	—
Total chemicals and related products	2,086	758	236	132	307	653
Subtotal fertilizers	36	0	0	32	3	—
3110 nitrogenous fert.	36	0	0	32	3	—
3190 fert. & mixes nec	0	—	0	—	—	—
Subtotal other chemicals and related products	2,050	758	236	99	303	653
3211 acyclic hydrocarbons	3	—	3	—	—	—
3212 benzene & toluene	0	—	0	—	—	—
3219 other hydrocarbons	1,063	350	1	63	—	649
3220 alcohols	386	73	41	—	272	—
3230 carboxylic acids	7	6	1	—	—	—
3240 nitrogen func. comp.	1	—	1	—	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—
3260 organic comp. nec	160	—	160	—	—	—
3272 sulphuric acid	0	0	0	—	—	—
3273 ammonia	0	0	0	—	—	—
3274 sodium hydroxide	86	52	2	—	32	—
3275 inorg. elem., oxides, & halogen salts	4	3	1	—	—	—
3276 metallic salts	5	0	1	4	—	—
3279 inorganic chem. nec	0	0	0	—	—	—
3282 pigments & paints	1	0	1	—	—	—
3283 coloring mat. nec	1	0	1	—	—	—
3284 medicines	37	33	4	—	—	—
3285 perfumes & cleansers	12	4	8	—	—	—
3286 plastics	10	1	9	—	—	—
3291 pesticides	1	1	0	—	—	—
3292 starches, gluten, glue	3	2	1	—	—	—
3293 explosives	0	0	0	—	—	—
3297 chemical additives	240	212	—	25	—	3
3298 wood & resin chem.	18	18	0	—	—	—
3299 chem. products nec	11	3	1	8	—	—
Total crude materials, inedible except fuels	40	3	26	8	4	—
Subtotal forest products, wood and chips	2	0	2	—	—	—
4170 wood in the rough	0	0	0	—	—	—
4189 lumber	0	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	0	2	—	1	—
4322 limestone	2	—	2	—	—	—
4331 sand & gravel	2	0	1	—	1	—
Subtotal iron ore and scrap	27	1	15	8	3	—
4420 iron & steel scrap	27	1	15	8	3	—
Subtotal marine shells	0	—	0	—	—	—
4515 marine shells	0	—	0	—	—	—
Subtotal non-ferrous ores and scrap	1	1	—	—	—	—
4680 non-ferrous scrap	1	1	—	—	—	—
Subtotal sulphur, clay and salt	0	0	0	—	—	—
4741 sulphur, (dry)	0	—	0	—	—	—
4782 clay & refrac. mat.	0	0	0	—	—	—
Subtotal slag	0	—	0	—	—	—
4860 slag	0	—	0	—	—	—
Subtotal other non-metal. min.	6	0	6	—	—	—
4900 non-metal. min. nec	6	0	6	—	—	—
Total primary manufactured goods	44	4	37	0	3	—
Subtotal paper products	15	2	13	—	—	—
5110 newsprint	1	—	1	—	—	—
5120 paper & paperboard	6	0	6	—	—	—
5190 paper products nec	8	2	6	—	—	—

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, 1998 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal lime, cement and glass	7	1	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	4	0	4	---	---	---
5330 i&s plates & sheets	1	---	1	---	---	---
5360 i&s bars & shapes	0	---	0	---	---	---
5370 i&s pipe & tube	2	0	2	---	---	---
5390 primary i&s nec	1	---	1	---	---	---
Subtotal primary non-ferrous metal products	17	0	13	0	3	---
5421 copper	1	0	1	---	---	---
5422 aluminum	1	0	1	---	---	---
5429 smelted prod. nec	4	0	4	---	---	---
5480 fab. metal products	11	0	7	0	3	---
Subtotal primary wood products	1	---	1	---	---	---
5540 primary wood prod.	1	---	1	---	---	---
Total food and farm products	163	35	109	---	17	3
Subtotal fish	2	1	0	---	---	---
6134 fish (not shellfish)	1	1	0	---	---	---
6136 shellfish	0	---	0	---	---	---
Subtotal grain	0	---	0	---	---	---
6344 corn	0	---	0	---	---	---
6443 barley & rye	0	---	0	---	---	---
Subtotal oilseeds	0	---	0	---	---	---
6521 peanuts	0	---	0	---	---	---
Subtotal vegetable products	19	3	16	---	---	---
6653 vegetable oils	2	0	1	---	---	---
6654 vegetables & prod.	17	3	15	---	---	---
Subtotal processed grain and animal feed	9	0	8	---	---	---
6746 wheat flour	0	---	0	---	---	---
6747 grain mill products	7	0	7	---	---	---
6782 animal feed, prep.	1	0	1	---	---	---
Subtotal other agricultural products	134	30	84	---	17	3
6811 meat, fresh, frozen	7	---	7	---	---	---
6817 meat, prepared	4	0	4	---	---	---
6822 dairy products	8	0	8	---	---	---
6835 fish, prepared	10	9	0	---	---	---
6838 tallow, animal oils	0	---	0	---	---	---
6839 animals & prod. nec	3	0	3	---	---	---
6857 fruit & nuts nec	3	1	2	---	---	---
6858 fruit juices	7	1	6	---	---	---
6861 sugar	0	---	0	---	---	---
6865 molasses	0	0	---	---	---	---
6871 coffee	0	0	0	---	---	---
6872 cocoa beans	1	1	---	---	---	---
6885 alcoholic beverages	2	0	1	---	---	---
6887 groceries	18	2	13	---	2	1
6888 water & ice	19	---	3	---	15	2
6889 food products nec	50	15	36	---	---	---
6891 tobacco & products	1	0	1	---	---	---
6893 cotton	0	---	0	---	---	---
6899 farm products nec	0	---	0	---	---	---
Total all manufactured equipment, machinery and products	126	33	88	0	4	---
7110 machinery (not elec)	8	1	7	---	---	---
7120 electrical machinery	19	8	11	---	---	---
7210 vehicles & parts	4	1	3	---	---	---
7220 aircraft & parts	0	0	---	---	---	---
7230 ships & boats	0	0	0	---	---	---
7300 ordnance & access.	0	---	0	---	---	---
7400 manufac. wood prod.	2	0	2	---	---	---
7500 textile products	13	6	7	---	---	---
7600 rubber & plastic pr.	9	2	7	---	---	---
7800 empty containers	1	0	0	---	---	---
7900 manufac. prod. nec	71	14	53	0	4	---
Total waste and scrap nec	0	0	0	---	---	---
8900 waste and scrap nec	0	0	0	---	---	---
Total unknown or not elsewhere classified	2	1	1	---	---	---
9900 unknown or nec	2	1	1	---	---	---

*Includes 210 (x1000) tons of foreign inbound in-transits; Includes 115 (x1000) tons of foreign outbound in-transits;
 Includes 12 (x1000) tons of Canadian outbound in-transits.

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

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	1,327	1992	903	1995	964	1998	1,307
1990	1,088	1993	837	1996	842		
1991	897	1994	848	1997	1,124		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal Receipts
Total, all commodities	1,307	1,307
Total coal	931	931
1100 coal lignite	931	931
Total petroleum and petroleum products	376	376
Subtotal petroleum products	376	376
2211 gasoline	290	290
2330 distillate fuel oil	86	86

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
1989	3,738	1992	3,826	1995	4,273	1998	4,998
1990	4,209	1993	4,106	1996	4,324		
1991	4,154	1994	4,503	1997	4,401		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
Total, all commodities	3,609	2,499	591	519
Total coal	3	3	0	—
1100 coal lignite	0	—	0	—
1200 coal coke	3	3	—	—
Total petroleum and petroleum products	798	394	218	186
Subtotal crude petroleum	180	—	—	180
2100 crude petroleum	180	—	—	180
Subtotal petroleum products	619	394	218	7
2330 distillate fuel oil	65	37	28	—
2340 residual fuel oil	415	357	51	7
2350 lube oil & greases	3	—	3	—
2410 petro. jelly & waxes	0	—	0	—
2429 naphtha & solvents	1	—	1	—
2540 petroleum coke	128	—	128	—
2640 liquid natural gas	6	—	6	—
Total chemicals and related products	126	98	28	—
Subtotal fertilizers	54	53	1	—
3110 nitrogenous fert.	53	53	0	—
3130 potassic fert.	0	0	—	—
3190 fert. & mixes nec	1	0	1	—
Subtotal other chemicals and related products	72	45	27	—
3211 acyclic hydrocarbons	0	—	0	—
3219 other hydrocarbons	0	—	0	—
3220 alcohols	5	5	0	—
3230 carboxylic acids	1	—	1	—
3240 nitrogen func. comp.	0	—	0	—
3250 organo - inorg. comp.	0	0	0	—
3260 organic comp. nec	13	13	0	—

WILMINGTON HARBOR, DE
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
3274 sodium hydroxide	0	—	0	—
3275 inorg. elem. oxides, & halogen salts	3	2	0	—
3276 metallic salts	27	23	4	—
3279 inorganic chem. nec	2	2	0	—
3282 pigments & paints	2	0	1	—
3283 coloring mat. nec	0	—	0	—
3284 medicines	0	0	0	—
3285 perfumes & cleansers	3	0	3	—
3286 plastics	11	0	11	—
3291 pesticides	0	—	0	—
3292 starches, gluten, glue	3	0	3	—
3297 chemical additives	1	—	1	—
3298 wood & resin chem.	0	—	0	—
3299 chem. products nec	2	—	2	—
Total crude materials, inedible except fuels	586	187	66	332
Subtotal forest products, wood and chips	39	0	3	36
4110 rubber & gums	0	—	0	—
4150 fuel wood	0	—	0	—
4170 wood in the rough	0	—	0	—
4189 lumber	39	0	3	36
4190 forest products nec	0	0	0	—
Subtotal pulp and waste paper	26	2	24	—
4225 pulp & waste paper	26	2	24	—
Subtotal soil, sand, gravel, rock and stone	297	—	0	297
4310 building stone	0	—	0	—
4323 gypsum	297	—	0	297
4331 sand & gravel	0	—	0	—
Subtotal iron ore and scrap	34	—	34	—
4420 iron & steel scrap	34	—	34	—
Subtotal non-ferrous ores and scrap	33	33	0	—
4650 aluminum ore	0	—	0	—
4680 non-ferrous scrap	14	14	0	—
4690 non-ferrous ores nec	19	19	0	—
Subtotal sulphur, clay and salt	37	37	0	—
4782 clay & refrac. mat.	37	37	0	—
Subtotal other non-metal. min.	119	116	3	—
4900 non-metal. min. nec	119	116	3	—
Total primary manufactured goods	442	339	104	—
Subtotal paper products	90	3	88	—
5110 newsprint	1	—	1	—
5120 paper & paperboard	86	2	83	—
5190 paper products nec	4	0	4	—
Subtotal lime, cement and glass	3	0	3	—
5220 cement & concrete	0	—	0	—
5240 glass & glass prod.	1	0	0	—
5290 misc. mineral prod.	2	0	2	—
Subtotal primary iron and steel products	337	334	3	—
5312 pig iron	0	—	0	—
5315 ferro alloys	0	0	0	—
5320 i&s primary forms	34	34	0	—
5330 i&s plates & sheets	79	77	2	—
5360 i&s bars & shapes	209	209	0	—
5370 i&s pipe & tube	3	2	0	—
5390 primary i&s nec	13	13	0	—
Subtotal primary non-ferrous metal products	11	1	10	—
5421 copper	6	1	5	—
5422 aluminum	3	0	3	—
5429 smelted prod. nec	0	0	0	—
5480 fab. metal products	2	1	2	—
Subtotal primary wood products	0	—	0	—
5540 primary wood prod.	0	—	0	—
Total food and farm products	1,453	1,386	67	—
Subtotal fish	15	14	1	—
6134 fish (not shellfish)	12	12	0	—
6136 shellfish	3	3	1	—
Subtotal grain	3	3	1	—
6344 corn	3	3	0	—
6443 barley & rye	0	—	0	—
6445 oats	0	—	0	—
Subtotal oilseeds	0	0	0	—
6522 soybeans	0	0	—	—
6534 flaxseed	0	—	0	—
6590 oilseeds nec	0	—	0	—
Subtotal vegetable products	62	28	34	—
6653 vegetable oils	0	—	0	—
6654 vegetables & prod.	61	28	33	—
Subtotal processed grain and animal feed	4	0	4	—
6746 wheat flour	0	—	0	—
6747 grain mill products	2	0	2	—
6781 hay & fodder	0	—	0	—

WILMINGTON HARBOR, DE
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports*	Exports*	Imports
6782 animal feed, prep.	2	—	2	—
Subtotal other agricultural products	1,370	1,341	28	—
6811 meat, fresh, frozen	55	53	3	—
6817 meat, prepared	6	1	5	—
6822 dairy products	6	—	6	—
6835 fish, prepared	0	0	0	—
6838 tallow, animal oils	0	—	0	—
6839 animals & prod. nec	1	1	0	—
6856 bananas & plantains	951	951	—	—
6857 fruit & nuts nec	265	262	3	—
6858 fruit juices	73	71	2	—
6871 coffee	0	0	0	—
6872 cocoa beans	0	0	0	—
6885 alcoholic beverages	1	—	1	—
6888 water & ice	0	0	0	—
6889 food products nec	6	2	5	—
6891 tobacco & products	0	—	0	—
6893 cotton	2	—	2	—
6899 farm products nec	1	0	0	—
Total all manufactured equipment, machinery and products	195	93	103	—
7110 machinery (not elec)	7	2	5	—
7120 electrical machinery	6	3	3	—
7210 vehicles & parts	162	85	77	—
7220 aircraft & parts	0	—	0	—
7230 ships & boats	1	—	1	—
7300 ordnance & access.	0	0	0	—
7400 manufac. wood prod.	1	0	0	—
7500 textile products	9	1	8	—
7600 rubber & plastic pr.	4	0	4	—
7900 manufac. prod. nec	5	1	4	—
Total unknown or not elsewhere classified	6	0	5	—
9900 unknown or nec	6	0	5	—

Commodity	Total	Domestic				
		Coastwise		Internal		Intrпорт
		Receipts	Shipments	Receipts	Shipments	
Total, all commodities	1,388	231	4	699	408	47
Total petroleum and petroleum products	1,331	194	4	679	407	47
Subtotal petroleum products	1,331	194	4	679	407	47
2330 distillate fuel oil	271	—	—	213	56	2
2340 residual fuel oil	1,060	194	4	466	351	45
2350 lube oil & greases	0	—	—	0	—	—
Total crude materials, inedible except fuels	1	0	—	1	—	—
Subtotal forest products, wood and chips	0	0	—	—	—	—
4189 lumber	0	0	—	—	—	—
Subtotal non-ferrous ores and scrap	1	—	—	1	—	—
4690 non-ferrous ores nec	1	—	—	1	—	—
Total primary manufactured goods	56	37	—	19	0	—
Subtotal lime, cement and glass	0	0	—	—	—	—
5290 misc. mineral prod.	0	0	—	—	—	—
Subtotal primary iron and steel products	46	27	—	19	0	—
5330 i&s plates & sheets	15	—	—	15	—	—
5360 i&s bars & shapes	0	—	—	—	0	—
5390 primary i&s nec	30	27	—	4	—	—
Subtotal primary non-ferrous metal products	10	10	—	—	—	—
5480 fab. metal products	10	10	—	—	—	—
Total all manufactured equipment, machinery and products	0	0	—	—	—	—
7400 manufac. wood prod.	0	0	—	—	—	—

*Includes 58 (x1000) tons of foreign inbound in-transits; Includes 77 (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
1989	17,749	1992	13,529	1995	12,815	1998	14,167
1990	12,905	1993	14,533	1996	14,290		
1991	12,662	1994	13,634	1997	14,722		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total*	Foreign		Total	Domestic		Internal	
		Through			Coastwise		Through	
		Upbound	Downbnd		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	14,167	2,024	2,571	9,572	1,753	1,362	1,717	4,739
Total coal	2,782	103	74	2,605	1,258	—	1,339	8
1100 coal lignite	2,738	67	74	2,597	1,258	—	1,339	—
1200 coal coke	44	36	—	8	—	—	—	8
Total petroleum and petroleum products	3,912	104	62	3,747	284	823	273	2,367
Subtotal crude petroleum	80	—	—	80	—	—	—	80
2100 crude petroleum	80	—	—	80	—	—	—	80
Subtotal petroleum products	3,832	104	62	3,667	284	823	273	2,287
2211 gasoline	863	—	28	835	150	291	142	252
2221 kerosene	12	—	—	12	—	12	—	—
2330 distillate fuel oil	915	—	—	915	103	250	63	500
2340 residual fuel oil	713	21	—	692	—	27	63	602
2350 lube oil & greases	12	—	—	12	5	7	—	—
2410 petro. jelly & waxes	62	—	—	62	3	59	—	—
2429 naphtha & solvents	29	—	—	29	—	—	—	29
2430 asphalt, tar & pitch	1,208	83	30	1,095	23	176	5	890
2540 petroleum coke	14	—	—	14	—	—	—	14
2640 liquid natural gas	4	—	4	—	—	—	—	—
Total chemicals and related products	838	87	130	622	59	80	37	446
Subtotal fertilizers	93	33	21	39	—	—	32	7
3110 nitrogenous fert.	54	10	6	39	—	—	32	7
3120 phosphatic fert.	15	—	15	—	—	—	—	—
3130 potassic fert.	23	23	—	—	—	—	—	—
Subtotal other chemicals and related products	745	54	109	583	59	80	5	439
3212 benzene & toluene	6	6	—	—	—	—	—	—
3219 other hydrocarbons	21	—	—	21	21	—	—	—
3220 alcohols	271	—	—	271	2	2	—	267
3240 nitrogen func. comp.	1	—	—	1	1	—	—	—
3260 organic comp. nec	18	—	—	18	0	18	—	—
3272 sulphuric acid	42	7	8	28	—	1	—	26
3274 sodium hydroxide	145	—	36	109	26	55	5	22
3275 inorg. elem., oxides, & halogen salts	3	—	3	—	—	—	—	—
3276 metallic salts	122	—	—	122	—	—	—	122
3284 medicines	0	—	—	0	0	—	—	—
3286 plastics	0	—	—	0	0	—	—	—
3297 chemical additives	5	—	—	5	5	—	—	—
3298 wood & resin chem.	7	—	—	7	3	3	—	—
3299 chem. products nec	104	41	61	2	—	0	—	2
Total crude materials, inedible except fuels	2,750	140	631	1,980	38	0	38	1,903
Subtotal forest products, wood and chips	0	—	—	0	0	—	—	—
4189 lumber	0	—	—	0	0	—	—	—
Subtotal pulp and waste paper	34	—	34	—	—	—	—	—
4225 pulp & waste paper	34	—	34	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	2,587	113	558	1,917	38	0	—	1,878
4322 limestone	76	—	37	38	38	—	—	—
4323 gypsum	633	113	520	—	—	—	—	—
4331 sand & gravel	1,879	—	—	1,879	—	0	—	1,878
Subtotal iron ore and scrap	81	—	33	48	—	—	31	17
4410 iron ore	33	—	33	—	—	—	—	—
4420 iron & steel scrap	48	—	—	48	—	—	31	17
Subtotal marine shells	6	—	—	6	—	—	6	—
4515 marine shells	6	—	—	6	—	—	6	—

INLAND WATERWAY FROM DELAWARE RIVER TO CHESAPEAKE BAY, DE AND MD - CHESAPEAKE AND DELAWARE CANAL
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total*	Foreign		Total	Domestic			
		Through			Coastwise		Internal	
		Upbound	Downbnd		Through		Upbound	Downbnd
					Upbound	Downbnd		
Subtotal non-ferrous ores and scrap	8	—	7	1	—	—	1	—
4670 manganese ore	7	—	7	—	—	—	—	—
4690 non-ferrous ores nec	1	—	—	1	—	—	1	—
Subtotal slag	33	26	—	7	—	—	—	7
4860 slag	33	26	—	7	—	—	—	7
Subtotal other non-metal. min.	2	2	—	—	—	—	—	—
4900 non-metal. min. nec	2	2	—	—	—	—	—	—
Total primary manufactured goods	840	216	130	493	77	376	30	11
Subtotal paper products	97	38	56	3	0	3	—	—
5110 newsprint	7	1	6	—	—	—	—	—
5120 paper & paperboard	5	—	2	3	0	3	—	—
5190 paper products nec	85	37	48	0	—	0	—	—
Subtotal lime, cement and glass	456	—	—	456	77	373	2	4
5220 cement & concrete	456	—	—	456	77	373	2	4
Subtotal primary iron and steel products	45	20	6	18	—	—	15	3
5312 pig iron	14	14	—	—	—	—	—	—
5315 ferro alloys	13	7	6	—	—	—	—	—
5330 i&s plates & sheets	15	—	—	15	—	—	15	—
5360 i&s bars & shapes	3	—	—	3	—	—	—	3
Subtotal primary non-ferrous metal products	229	157	68	4	0	—	0	4
5422 aluminum	5	—	5	—	—	—	—	—
5429 smelted prod. nec	5	—	5	—	—	—	—	—
5480 fab. metal products	220	157	59	4	0	—	0	4
Subtotal primary wood products	13	—	—	13	—	—	13	—
5540 primary wood prod.	13	—	—	13	—	—	13	—
Total food and farm products	46	40	5	1	0	1	—	—
Subtotal vegetable products	0	—	—	0	—	0	—	—
6654 vegetables & prod.	0	—	—	0	—	0	—	—
Subtotal other agricultural products	46	40	5	1	0	1	—	—
6811 meat, fresh, frozen	0	—	—	0	0	—	—	—
6817 meat, prepared	0	—	—	0	0	—	—	—
6861 sugar	5	—	5	—	—	—	—	—
6865 molasses	35	35	—	—	—	—	—	—
6885 alcoholic beverages	5	5	—	1	—	1	—	—
6889 food products nec	0	—	—	0	—	0	—	—
Total all manufactured equipment, machinery and products	2,998	1,335	1,539	125	37	82	0	5
7110 machinery (not elec)	0	—	—	0	—	—	0	0
7120 electrical machinery	0	—	—	0	—	0	—	—
7210 vehicles & parts	463	165	299	0	—	0	—	—
7600 rubber & plastic pr.	40	6	32	2	0	2	—	—
7900 manufac. prod. nec	2,495	1,165	1,208	122	37	80	0	4
Ton-miles (x1000)	648,279	93,127	118,259	436,895	79,023	61,041	78,902	217,927

Tons All Traffic (x1000) **14,167**
Ton-miles All Traffic (x1000) **648,281**

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

Other Harbors and Waterways 1998

Harbor or Waterway Project	Commodity	Thousand Short Tons
ABSECON CREEK, NJ	No Commerce Reported	
ABSECON INLET, NJ	6134 fish (not shellfish) 6136 shellfish	0 0
	Total Tons(x1000) Total Ton-miles(x1000)	0 0
ALLOWAY CREEK, NJ	No Commerce Reported	
APPOQUINIMINK RIVER, DE	No Commerce Reported	
BARNEGAT INLET, NJ	6134 fish (not shellfish)	1
	Total Tons(x1000) Total Ton-miles(x1000)	1 1
BIG TIMBER CREEK, NJ	No Commerce Reported	
BROADKILL RIVER, DE	No Commerce Reported	
CAPE MAY CANAL, NJ	6134 fish (not shellfish) 6136 shellfish	5 0
	Total Tons(x1000) Total Ton-miles(x1000)	5 5
COHANSEY RIVER, NJ	6136 shellfish	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 0
COLD SPRING INLET, NJ	6134 fish (not shellfish) 6136 shellfish	16 26
	Total Tons(x1000) Total Ton-miles(x1000)	42 42
COOPER RIVER, NJ	No Commerce Reported	
HARBOR OF REFUGE, DELAWARE BAY, DE	No Commerce Reported	
HOPE CREEK, NJ	No Commerce Reported	
INDIAN RIVER INLET AND BAY, DE	No Commerce Reported	
INLAND WATERWAY BETWEEN REHOBOTH BAY AND DELAWARE BAY, DE	No Commerce Reported	
LEIPSIC RIVER, DE	6136 shellfish	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 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) Total Ton-miles(x1000)	1 1

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
MANTUA CREEK, NJ	5540 primary wood prod.	13
	Total Tons(x1000)	13
	Total Ton-miles(x1000)	13
MAURICE RIVER, NJ	4515 marine shells	13
	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	13
	Total Ton-miles(x1000)	65
MISPILLION RIVER, DE	6887 groceries	9
	Total Tons(x1000)	9
	Total Ton-miles(x1000)	9
MURDERKILL RIVER, DE	No Commerce Reported	
NEW JERSEY INTRACOASTAL WATERWAY	6134 fish (not shellfish)	21
	6136 shellfish	27
	Total Tons(x1000)	47
	Total Ton-miles(x1000)	496
OLDMANS CREEK, NJ	No Commerce Reported	
PEPPER CREEK, DE	No Commerce Reported	
SALEM RIVER, NJ	1100 coal lignite	0
	2350 lube oil & greases	0
	2410 petro. jelly & waxes	0
	2429 naphtha & solvents	2
	2540 petroleum coke	0
	3110 nitrogenous fert.	0
	3190 fert. & mixes nec	0
	3219 other hydrocarbons	0
	3220 alcohols	0
	3260 organic comp. nec	0
	3272 sulphuric acid	0
	3276 metallic salts	0
	3282 pigments & paints	0
	3285 perfumes & cleansers	1
	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
	4225 pulp & waste paper	0
	4310 building stone	0
	4323 gypsum	0
	4331 sand & gravel	0
	4782 clay & refrac. mat.	0
	5120 paper & paperboard	1
	5190 paper products nec	1
	5210 lime	0
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	2
	5330 i&s plates & sheets	0
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5421 copper	0
	5422 aluminum	0
	5480 fab. metal products	1
	5540 primary wood prod.	0
	6134 fish (not shellfish)	0
	6136 shellfish	0
	6344 corn	0
	6653 vegetable oils	0
	6654 vegetables & prod.	1
	6746 wheat flour	1
	6747 grain mill products	1
	6781 hay & fodder	0
	6782 animal feed, prep.	1
	6811 meat, fresh, frozen	2
	6817 meat, prepared	2

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SALEM RIVER, NJ - continued	6822 dairy products	0
	6835 fish, prepared	0
	6839 animals & prod. nec	1
	6857 fruit & nuts nec	1
	6858 fruit juices	2
	6861 sugar	0
	6865 molasses	0
	6871 coffee	0
	6885 alcoholic beverages	1
	6888 water & ice	0
	6889 food products nec	5
	6891 tobacco & products	0
	6893 cotton	0
	6899 farm products nec	0
	7110 machinery (not elec)	1
	7120 electrical machinery	1
	7210 vehicles & parts	1
	7230 ships & boats	0
	7400 manufac. wood prod.	0
	7500 textile products	0
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	2
	9900 unknown or nec	2
	Total Tons(x1000)	38
	Total Ton-miles(x1000)	115
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
1989	44,884	1992	37,656	1995	44,696	1998	40,114
1990	39,538	1993	37,170	1996	43,552		
1991	37,745	1994	41,450	1997	40,029		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	25,759	12,594	8,730	3,344	1,091
Total coal	8,977	1,610	6,278	—	1,089
1100 coal lignite	7,339	—	6,250	—	1,089
1200 coal coke	1,639	1,610	29	—	—
Total petroleum and petroleum products	934	875	12	47	—
Subtotal petroleum products	934	875	12	47	—
2330 distillate fuel oil	434	434	1	—	—
2340 residual fuel oil	287	267	0	20	—
2350 lube oil & greases	8	4	4	—	—
2410 petro. jelly & waxes	5	2	3	—	—
2429 naphtha & solvents	1	1	1	—	—
2430 asphalt, tar & pitch	2	1	1	—	—
2540 petroleum coke	195	167	1	27	—
2640 liquid natural gas	0	—	0	—	—
Total chemicals and related products	695	433	206	57	0
Subtotal fertilizers	198	163	7	28	—
3110 nitrogenous fert.	132	132	0	—	—
3120 phosphatic fert.	0	0	—	—	—
3130 potassic fert.	28	—	0	28	—
3190 fert. & mixes nec	38	32	7	—	—
Subtotal other chemicals and related products	497	269	199	29	0
3211 acyclic hydrocarbons	1	1	0	—	—
3212 benzene & toluene	0	—	0	—	—
3219 other hydrocarbons	6	1	2	3	—
3220 alcohols	18	7	12	—	—
3230 carboxylic acids	15	4	11	0	—
3240 nitrogen func. comp.	12	7	4	—	—
3250 organo - inorg. comp.	9	5	4	—	—
3260 organic comp. nec	13	3	10	—	—
3272 sulphuric acid	17	0	—	16	—
3273 ammonia	0	0	—	—	—
3274 sodium hydroxide	75	74	1	—	—
3275 inorg. elem., oxides, & halogen salts	91	80	11	—	0
3276 metallic salts	40	30	10	0	—
3279 inorganic chem. nec	7	7	0	—	—
3281 radioactive material	3	2	1	—	—
3282 pigments & paints	18	7	11	—	—
3283 coloring mat. nec	6	5	1	0	—
3284 medicines	4	2	2	0	—
3285 perfumes & cleansers	10	2	8	0	0
3286 plastics	108	18	89	0	0
3291 pesticides	3	1	2	—	—
3292 starches, gluten, glue	6	1	5	—	—
3293 explosives	1	1	0	—	—
3297 chemical additives	6	1	5	—	—
3298 wood & resin chem.	1	1	0	—	—
3299 chem. products nec	29	10	10	9	—
Total crude materials, inedible except fuels	8,625	4,870	524	3,232	—
Subtotal forest products, wood and chips	381	121	259	0	—
4110 rubber & gums	54	54	0	—	—
4150 fuel wood	0	—	0	—	—
4161 wood chips	1	—	1	—	—
4170 wood in the rough	59	1	58	—	—
4189 lumber	263	63	200	0	—
4190 forest products nec	4	3	0	—	—
Subtotal pulp and waste paper	365	324	40	—	—
4225 pulp & waste paper	365	324	40	—	—
Subtotal soil, sand, gravel, rock and stone	1,292	427	36	829	—
4310 building stone	25	0	25	—	—
4322 limestone	0	0	—	—	—
4323 gypsum	809	17	8	784	—
4327 phosphate rock	3	0	2	—	—
4331 sand & gravel	455	409	1	45	—

BALTIMORE HARBOR AND CHANNELS, MD
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Subtotal iron ore and scrap	4,779	2,437	8	2,334	—
4410 iron ore	4,751	2,416	0	2,334	—
4420 iron & steel scrap	28	21	7	—	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	600	420	145	35	—
4650 aluminum ore	369	368	0	—	—
4670 manganese ore	68	7	62	—	—
4680 non-ferrous scrap	74	29	10	35	—
4690 non-ferrous ores nec	89	16	73	—	—
Subtotal sulphur, clay and salt	100	70	30	—	—
4782 clay & refrac. mat.	100	70	30	—	—
Subtotal slag	164	130	0	34	—
4860 slag	164	130	0	34	—
Subtotal other non-metal. min.	945	940	6	—	—
4900 non-metal. min. nec	945	940	6	—	—
Total primary manufactured goods	2,552	2,232	318	1	0
Subtotal paper products	398	309	87	1	0
5110 newsprint	2	2	0	—	—
5120 paper & paperboard	340	260	79	1	0
5190 paper products nec	56	48	9	0	—
Subtotal lime, cement and glass	401	358	43	0	0
5210 lime	0	—	0	—	—
5220 cement & concrete	259	258	1	—	—
5240 glass & glass prod.	26	9	16	0	—
5290 misc. mineral prod.	116	90	25	0	0
Subtotal primary iron and steel products	1,179	1,043	136	0	—
5312 pig iron	165	165	1	—	—
5315 ferro alloys	189	187	1	0	—
5320 i&s primary forms	338	337	1	—	—
5330 i&s plates & sheets	333	214	119	—	—
5360 i&s bars & shapes	101	99	2	—	—
5370 i&s pipe & tube	39	29	11	—	—
5390 primary i&s nec	13	12	1	0	—
Subtotal primary non-ferrous metal products	515	476	38	0	0
5421 copper	21	20	1	—	—
5422 aluminum	279	269	10	—	0
5429 smelted prod. nec	129	125	4	0	0
5480 fab. metal products	86	62	24	0	—
Subtotal primary wood products	60	46	14	—	—
5540 primary wood prod.	60	46	14	—	—
Total food and farm products	2,253	1,457	795	0	1
Subtotal fish	11	10	0	—	1
6134 fish (not shellfish)	10	9	0	—	1
6136 shellfish	1	1	0	—	—
Subtotal grain	150	12	138	—	0
6241 wheat	0	0	—	—	—
6344 corn	138	0	137	—	—
6442 rice	12	12	0	—	0
6443 barley & rye	0	—	0	—	—
6445 oats	1	—	1	—	—
Subtotal oilseeds	540	4	536	—	—
6521 peanuts	0	—	0	—	—
6522 soybeans	535	3	531	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	5	1	4	—	—
Subtotal vegetable products	64	49	15	0	—
6653 vegetable oils	13	13	0	0	—
6654 vegetables & prod.	51	36	15	0	—
Subtotal processed grain and animal feed	35	7	27	—	—
6746 wheat flour	0	0	0	—	—
6747 grain mill products	11	4	7	—	—
6781 hay & fodder	1	—	1	—	—
6782 animal feed, prep.	23	3	19	—	—
Subtotal other agricultural products	1,453	1,375	78	0	0
6811 meat, fresh, frozen	45	9	36	—	—
6817 meat, prepared	10	9	2	—	—
6822 dairy products	3	1	2	—	—
6835 fish, prepared	28	28	0	—	—
6838 tallow, animal oils	0	0	—	—	—
6839 animals & prod. nec	5	2	3	—	—
6856 bananas & plantains	1	1	0	—	—
6857 fruit & nuts nec	7	5	2	—	—
6858 fruit juices	76	74	3	0	—
6861 sugar	846	846	—	—	0
6865 molasses	220	220	—	—	—
6871 coffee	16	16	0	—	—
6872 cocoa beans	8	8	0	—	—
6885 alcoholic beverages	95	89	6	—	—
6888 water & ice	26	26	0	—	—
6889 food products nec	55	38	17	—	—

BALTIMORE HARBOR AND CHANNELS, MD
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
6891 tobacco & products	10	3	6	—	0
6893 cotton	1	—	1	—	—
6894 natural fibers nec	0	0	—	—	—
6899 farm products nec	1	1	0	0	—
Total all manufactured equipment, machinery and products	1,694	1,107	581	6	0
7110 machinery (not elec)	750	497	252	0	0
7120 electrical machinery	54	20	34	0	0
7210 vehicles & parts	594	387	202	5	0
7220 aircraft & parts	1	0	0	—	—
7230 ships & boats	5	1	4	0	—
7300 ordnance & access.	2	0	1	—	—
7400 manufac. wood prod.	21	16	5	0	—
7500 textile products	35	21	13	0	—
7600 rubber & plastic pr.	102	66	36	0	0
7900 manufac. prod. nec	130	98	32	0	0
Total unknown or not elsewhere classified	29	12	17	0	—
9900 unknown or nec	29	12	17	0	—
Ton-miles (x1000)	231,830	113,350	78,571	30,092	9,818
Foreign & Canadian					

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound Downbnd	
Total, all commodities	14,355	2,220	1,484	6,446	2,208	272	1,725
Total coal	5,824	—	1,118	3,068	400	—	1,238
1100 coal lignite	5,815	—	1,118	3,060	400	—	1,238
1200 coal coke	8	—	—	8	—	—	—
Total petroleum and petroleum products	4,064	1,606	16	1,564	312	214	353
Subtotal petroleum products	4,064	1,606	16	1,564	312	214	353
2211 gasoline	816	470	11	237	99	—	—
2221 kerosene	15	11	—	—	4	—	—
2330 distillate fuel oil	921	514	—	296	89	8	14
2340 residual fuel oil	1,418	346	—	424	110	206	332
2350 lube oil & greases	10	—	—	3	—	—	7
2410 petro. jelly & waxes	60	60	—	—	—	—	—
2430 asphalt, tar & pitch	809	205	5	590	9	—	—
2540 petroleum coke	14	—	—	14	—	—	—
Total chemicals and related products	389	22	0	209	14	35	109
Subtotal fertilizers	35	—	—	25	9	—	—
3110 nitrogenous fert.	35	—	—	25	9	—	—
Subtotal other chemicals and related products	355	22	0	184	5	35	109
3260 organic comp. nec	1	1	0	—	—	—	—
3272 sulphuric acid	174	1	—	28	—	35	109
3274 sodium hydroxide	55	18	—	32	5	—	—
3276 metallic salts	122	—	—	122	—	—	—
3284 medicines	0	—	0	—	—	—	—
3285 perfumes & cleansers	0	0	—	—	—	—	—
3286 plastics	0	—	0	—	—	—	—
3299 chem. products nec	3	1	0	2	—	—	—
Total crude materials, inedible except fuels	1,301	22	38	919	310	2	9
Subtotal forest products, wood and chips	1	1	0	—	0	0	0
4170 wood in the rough	0	—	—	—	—	0	0
4189 lumber	1	1	0	—	0	0	0
Subtotal pulp and waste paper	0	0	—	—	—	—	—
4225 pulp & waste paper	0	0	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	1,149	—	38	873	227	1	9
4322 limestone	38	—	38	—	—	—	—
4331 sand & gravel	1,111	—	—	873	227	1	9
Subtotal iron ore and scrap	38	7	—	0	31	—	—
4420 iron & steel scrap	38	7	—	0	31	—	—
Subtotal marine shells	46	—	—	46	—	—	—
4515 marine shells	46	—	—	46	—	—	—
Subtotal slag	65	15	—	—	50	0	—
4860 slag	65	15	—	—	50	0	—
Subtotal other non-metal. min.	2	—	—	—	2	—	—
4900 non-metal. min. nec	2	—	—	—	2	—	—

BALTIMORE HARBOR AND CHANNELS, MD
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound	Intra Downbnd
Total primary manufactured goods	835	385	274	9	147	19	1
Subtotal paper products	3	3	0	—	—	—	—
5110 newsprint	0	0	—	—	—	—	—
5120 paper & paperboard	3	3	0	—	—	—	—
5190 paper products nec	0	0	—	—	—	—	—
Subtotal lime, cement and glass	770	369	274	2	107	19	0
5220 cement & concrete	768	369	274	—	106	19	—
5240 glass & glass prod.	0	0	—	—	—	—	—
5290 misc. mineral prod.	3	0	0	2	0	0	0
Subtotal primary iron and steel products	0	—	—	0	0	—	—
5320 i&s primary forms	0	—	—	—	0	—	—
5360 i&s bars & shapes	0	—	—	0	—	—	—
Subtotal primary non-ferrous metal products	61	14	0	7	40	—	0
5422 aluminum	0	0	—	—	—	—	—
5480 fab. metal products	61	13	0	7	40	—	0
Total food and farm products	112	97	0	—	—	—	15
Subtotal vegetable products	0	0	—	—	—	—	—
6653 vegetable oils	0	0	—	—	—	—	—
6654 vegetables & prod.	0	0	—	—	—	—	—
Subtotal other agricultural products	112	97	0	—	—	—	15
6811 meat, fresh, frozen	1	1	0	—	—	—	—
6817 meat, prepared	0	—	0	—	—	—	—
6861 sugar	74	74	—	—	—	—	—
6885 alcoholic beverages	21	21	—	—	—	—	—
6888 water & ice	16	0	—	—	—	—	15
6889 food products nec	0	0	—	—	—	—	—
Total all manufactured equipment, machinery and products	1,828	88	37	676	1,025	1	0
7110 machinery (not elec)	3	0	—	0	2	0	0
7120 electrical machinery	1	0	—	—	—	0	—
7210 vehicles & parts	0	0	—	—	—	—	—
7230 ships & boats	0	0	—	—	—	—	—
7400 manufac. wood prod.	0	—	0	—	0	0	0
7600 rubber & plastic pr.	4	4	0	—	—	—	—
7900 manufac. prod. nec	1,821	84	37	676	1,023	—	—
Total waste and scrap nec	3	—	—	—	—	3	—
8900 waste and scrap nec	3	—	—	—	—	3	—
Ton-miles (x1000)	120,190	22,200	14,652	52,532	23,210	479	7,117
Domestic							
Tons All Traffic (x1000)	40,114						
Ton-miles All Traffic (x1000)	352,021						

*Includes 62 (x1000) tons of foreign inbound in-transits; Includes 78 (x1000) tons of foreign outbound in-transits.

SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	899	1992	901	1995	2,111	1998	1,885
1990	1,205	1993	1,425	1996	1,845		
1991	865	1994	1,986	1997	2,118		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal
		Outbound Downbnd
Total, all commodities	1,885	1,885
Total crude materials, inedible except fuels	1,885	1,885
Subtotal soil, sand, gravel, rock and stone	1,877	1,877
4331 sand & gravel	1,877	1,877

SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Internal	
		Outbound	Downbnd
Subtotal slag	7	7	7
4860 slag	7	7	7
Ton-miles (x1000)	14,717	14,717	14,717
Tons All Traffic (x1000)	1,885		
Ton-miles All Traffic (x1000)	14,719		

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
1989	409	1992	339	1995	541	1998	673
1990	235	1993	466	1996	644		
1991	302	1994	529	1997	462		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal		
		Inbound Upbound	Outbound Downbnd	Intra Upbound
Total, all commodities	673	470	201	2
Total petroleum and petroleum products	126	126	—	—
Subtotal petroleum products	126	126	—	—
2330 distillate fuel oil	30	30	—	—
2340 residual fuel oil	96	96	—	—
Total chemicals and related products	120	120	—	—
Subtotal fertilizers	120	120	—	—
3110 nitrogenous fert.	92	92	—	—
3190 fert. & mixes nec	28	28	—	—
Total crude materials, inedible except fuels	346	199	148	—
Subtotal soil, sand, gravel, rock and stone	332	184	148	—
4331 sand & gravel	332	184	148	—
Subtotal marine shells	9	9	—	—
4515 marine shells	9	9	—	—
Subtotal slag	5	5	—	—
4860 slag	5	5	—	—
Total food and farm products	81	25	54	2
Subtotal grain	77	25	50	2
6241 wheat	44	—	44	—
6344 corn	33	25	6	2
Subtotal oilseeds	3	—	3	—
6522 soybeans	3	—	3	—
Ton-miles (x1000)	25,539	17,518	8,019	2
Tons All Traffic (x1000)	673			
Ton-miles All Traffic (x1000)	25,539			

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
1989	961	1992	964	1995	1,291	1998	1,267
1990	1,016	1993	1,044	1996	1,179		
1991	879	1994	1,141	1997	1,165		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Coastwise Receipts	Domestic			
			Internal			
			Inbound Upbound	Outbound Downbnd	Intra	
Upbound	Downbnd	Upbound	Downbnd			
Total, all commodities	1,267	3	1,253	7	1	3
Total petroleum and petroleum products	643	3	640	—	—	—
Subtotal petroleum products	643	3	640	—	—	—
2211 gasoline	419	—	419	—	—	—
2221 kerosene	4	1	3	—	—	—
2330 distillate fuel oil	167	—	167	—	—	—
2340 residual fuel oil	54	2	52	—	—	—
Total crude materials, inedible except fuels	466	—	457	5	1	2
Subtotal soil, sand, gravel, rock and stone	459	—	453	5	1	—
4331 sand & gravel	459	—	453	5	1	—
Subtotal marine shells	2	—	—	—	—	2
4515 marine shells	2	—	—	—	—	2
Subtotal slag	5	—	5	—	—	—
4860 slag	5	—	5	—	—	—
Total food and farm products	157	—	155	2	0	1
Subtotal fish	1	—	—	—	0	1
6136 shellfish	1	—	—	—	0	1
Subtotal grain	129	—	128	2	—	—
6241 wheat	9	—	9	—	—	—
6344 corn	117	—	116	2	—	—
6443 barley & rye	1	—	1	—	—	—
6447 sorghum grains	2	—	2	—	—	—
Subtotal oilseeds	28	—	28	—	—	—
6522 soybeans	28	—	28	—	—	—
Ton-miles (x1000)	31,429	87	31,114	173	3	52
Tons All Traffic (x1000)	1,267					
Ton-miles All Traffic (x1000)	31,429					

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
1989	592	1992	354	1995	357	1998	398
1990	1,053	1993	349	1996	383		
1991	566	1994	340	1997	431		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Outbound
		Upbound	Downbnd
Total, all commodities	398	92	306
Total crude materials, inedible except fuels	398	92	306
Subtotal forest products, wood and chips	304	—	304
4161 wood chips	304	—	304
Subtotal soil, sand, gravel, rock and stone	72	72	—
4331 sand & gravel	72	72	—
Subtotal marine shells	3	1	1
4515 marine shells	3	1	1

POCOMOKE RIVER, MD
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Outbound
		Upbound	Downbnd
Subtotal slag	18	18	---
4860 slag	18	18	---
Total food and farm products	0	---	0
Subtotal fish	0	---	0
6134 fish (not shellfish)	0	---	0
6136 shellfish	0	---	0
Ton-miles (x1000)	6,303	1,409	4,894
Tons All Traffic (x1000)	398		
Ton-miles All Traffic (x1000)	6,303		

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
1989	559	1992	559	1995	860	1998	607
1990	449	1993	662	1996	747		
1991	331	1994	704	1997	706		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal
		Receipts
Total, all commodities	607	607
Total petroleum and petroleum products	138	138
Subtotal petroleum products	138	138
2211 gasoline	34	34
2330 distillate fuel oil	78	78
2340 residual fuel oil	25	25
Total crude materials, inedible except fuels	470	470
Subtotal soil, sand, gravel, rock and stone	470	470
4331 sand & gravel	470	470

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
1989	559	1992	559	1995	860	1998	607
1990	449	1993	662	1996	747		
1991	331	1994	704	1997	706		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal
		Inbound
		Upbound
Total, all commodities	607	607
Total petroleum and petroleum products	138	138
Subtotal petroleum products	138	138
2211 gasoline	34	34
2330 distillate fuel oil	78	78
2340 residual fuel oil	25	25

ANACOSTIA RIVER, DC (INCLUDED IN WASHINGTON HARBOR DC)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound	Upbound
Total crude materials, inedible except fuels	470	470	
Subtotal soil, sand, gravel, rock and stone	470	470	
4331 sand & gravel	470	470	
Ton-miles (x1000)	1,186		1,186
Tons All Traffic (x1000)	607		
Ton-miles All Traffic (x1000)	1,186		

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
1989	4,295	1992	3,422	1995	2,433	1998	2,901
1990	4,074	1993	2,725	1996	2,084		
1991	3,090	1994	3,247	1997	2,480		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign & Canadian	
		Imports	Imports
Total, all commodities	192	142	50
Total petroleum and petroleum products	142	142	—
Subtotal petroleum products	142	142	—
2330 distillate fuel oil	51	51	—
2340 residual fuel oil	92	92	—
Total primary manufactured goods	50	0	50
Subtotal paper products	50	—	50
5110 newsprint	50	—	50
Subtotal primary non-ferrous metal products	0	0	—
5480 fab. metal products	0	0	—
Total all manufactured equipment, machinery and products	0	0	—
7600 rubber & plastic pr.	0	0	—
Ton-miles (x1000)	16,598	11,385	5,213
Foreign & Canadian			

Commodity	Total	Coastwise	
		Receipts	Shipments
Total, all commodities	131	59	71
Total petroleum and petroleum products	131	59	71
Subtotal petroleum products	131	59	71
2330 distillate fuel oil	6	6	—
2340 residual fuel oil	47	30	17
2430 asphalt, tar & pitch	78	23	55
Ton-miles (x1000)	2,326	1,112	1,214
Coastwise			

POTOMAC RIVER BELOW WASHINGTON, DC
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	
Total, all commodities	2,577	839	3	189	995	478	64	9	
Total petroleum and petroleum products	1,208	827	3	171	135	---	64	9	
Subtotal petroleum products	1,208	827	3	171	135	---	64	9	
2211 gasoline	34	---	---	---	34	---	---	---	
2330 distillate fuel oil	510	366	3	28	75	---	35	3	
2340 residual fuel oil	444	269	---	119	25	---	25	6	
2430 asphalt, tar & pitch	220	192	---	24	---	---	4	---	
Total chemicals and related products	10	---	---	10	---	---	---	---	
Subtotal other chemicals and related products	10	---	---	10	---	---	---	---	
3274 sodium hydroxide	10	---	---	10	---	---	---	---	
Total crude materials, inedible except fuels	1,318	10	---	6	860	442	---	---	
Subtotal soil, sand, gravel, rock and stone	1,296	2	---	---	853	441	---	---	
4331 sand & gravel	1,296	2	---	---	853	441	---	---	
Subtotal iron ore and scrap	0	---	---	---	---	0	---	---	
4420 iron & steel scrap	0	---	---	---	---	0	---	---	
Subtotal marine shells	21	7	---	6	8	0	---	---	
4515 marine shells	21	7	---	6	8	0	---	---	
Total primary manufactured goods	4	2	---	2	---	---	---	---	
Subtotal lime, cement and glass	3	2	---	1	---	---	---	---	
5290 misc. mineral prod.	3	2	---	1	---	---	---	---	
Subtotal primary iron and steel products	0	0	---	---	---	---	---	---	
5320 i&s primary forms	0	0	---	---	---	---	---	---	
Subtotal primary non-ferrous metal products	1	---	---	1	---	---	---	---	
5480 fab. metal products	1	---	---	1	---	---	---	---	
Total food and farm products	38	1	---	1	0	36	0	---	
Subtotal fish	2	1	---	1	0	0	0	---	
6136 shellfish	2	1	---	1	0	0	0	---	
Subtotal grain	30	---	---	---	---	30	---	---	
6241 wheat	11	---	---	---	---	11	---	---	
6344 corn	15	---	---	---	---	15	---	---	
6443 barley & rye	3	---	---	---	---	3	---	---	
Subtotal oilseeds	6	---	---	---	---	6	---	---	
6522 soybeans	6	---	---	---	---	6	---	---	
Ton-miles (x1000)	98,441	26,973	94	3,667	50,049	13,492	3,932	233	
Internal									
Tons All Traffic (x1000)		2,901							
Ton-miles All Traffic (x1000)		117,380							

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
1989	921	1992	299	1995	246	1998	608
1990	807	1993	190	1996	474		
1991	433	1994	79	1997	454		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal Outbound Downbnd
Total, all commodities	608	608
Total crude materials, inedible except fuels	608	608
Subtotal soil, sand, gravel, rock and stone	608	608
4331 sand & gravel	608	608
Ton-miles (x1000)	3,649	3,649
Tons All Traffic (x1000)	608	
Ton-miles All Traffic (x1000)	3,650	

OCOQUAN 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
1989	845	1992	265	1995	195	1998	376
1990	732	1993	174	1996	311		
1991	356	1994	151	1997	244		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal Inbound Upbound
Total, all commodities	376	376
Total crude materials, inedible except fuels	376	376
Subtotal soil, sand, gravel, rock and stone	376	376
4331 sand & gravel	376	376
Ton-miles (x1000)	2,258	2,258
Tons All Traffic (x1000)	376	
Ton-miles All Traffic (x1000)	2,258	

Other Harbors and Waterways 1998

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	4515 marine shells	1
	6136 shellfish	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
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	4515 marine shells	0
	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	2
CHANNEL TO ISLAND CREEK, ST. GEORGE ISLAND, MD	No Commerce Reported	
CHESTER RIVER, MD	4331 sand & gravel	35
	4515 marine shells	18
	4860 slag	22
	6136 shellfish	1
	Total Tons(x1000)	76
	Total Ton-miles(x1000)	451
CHOPTANK RIVER, MD	4189 lumber	0
	4331 sand & gravel	137
	4515 marine shells	2
	5290 misc. mineral prod.	0
	6134 fish (not shellfish)	1
	6136 shellfish	3
	7400 manufac. wood prod.	0
	Total Tons(x1000)	143
	Total Ton-miles(x1000)	1,173
CLAIBORNE HARBOR, MD	No Commerce Reported	
COAN RIVER, VA	4515 marine shells	3
	6136 shellfish	1
	Total Tons(x1000)	3
	Total Ton-miles(x1000)	6
CORSICA RIVER, MD	No Commerce Reported	
CRISFIELD HARBOR, MD	2211 gasoline	0

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
CRISFIELD HARBOR, MD - continued	2221 kerosene	0
	2330 distillate fuel oil	1
	4515 marine shells	1
	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	4
CUCKOLD CREEK, MD	No Commerce Reported	
DUCK POINT COVE, MD	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
ELK AND LITTLE ELK RIVERS, MD	5480 fab. metal products	0
	7110 machinery (not elec)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
FISHING BAY TRIBUTARIES, DORCHESTER COUNTY, MD	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
FISHING CREEK, CALVERT COUNTY, MD	4331 sand & gravel	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
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	6134 fish (not shellfish)	0
	6136 shellfish	4
	Total Tons(x1000)	5
	Total Ton-miles(x1000)	15
ISLAND CREEK, MD	4515 marine shells	0
	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	1
Total Ton-miles(x1000)	1	
KNAPPS NARROWS, MD	4189 lumber	0
	5290 misc. mineral prod.	0
	7400 manufac. wood prod.	0
	Total Tons(x1000)	0
LITTLE CREEK, QUEEN ANNES COUNTY, MD	No Commerce Reported	
LITTLE WICOMICO RIVER, VA	No Commerce Reported	
LOWER MACHODOC CREEK, VA	4515 marine shells	2
	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	2
	Total Ton-miles(x1000)	6
LOWER THOROUGHFARE AT OR NEAR WENONA, DEAL ISLAND, MD	6134 fish (not shellfish)	0

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
LOWER THOROUGHFARE AT OR NEAR WENONA, DEAL ISLAND, MD - continued	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
LOWES WHARF, TALBOT COUNTY, MD	No Commerce Reported	
MANOKIN RIVER, MD	4515 marine shells	2
	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	2
	Total Ton-miles(x1000)	8
MIDDLE RIVER AND DARK HEAD CREEK, MD	4331 sand & gravel	6
	4515 marine shells	11
	Total Tons(x1000)	17
	Total Ton-miles(x1000)	23
MILL CREEK, MD	No Commerce Reported	
MONROE BAY AND CREEK, VA	No Commerce Reported	
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)	1
	Total Ton-miles(x1000)	1
NOMINI BAY AND CREEK, VA	4515 marine shells	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
NORTHEAST RIVER, MD	No Commerce Reported	
OCEAN CITY HARBOR AND INLET AND SINEPUXENT BAY, MD	6134 fish (not shellfish)	2
	6136 shellfish	5
	Total Tons(x1000)	6
PARISH CREEK, MD	No Commerce Reported	
PATUXENT RIVER, MD	2211 gasoline	14
	2330 distillate fuel oil	61
	3110 nitrogenous fert.	2
	4331 sand & gravel	29
	Total Tons(x1000)	106
	Total Ton-miles(x1000)	238
POTOMAC RIVER AT ALEXANDRIA, VA	5110 newsprint	50
	5290 misc. mineral prod.	3
	5480 fab. metal products	1
	6857 fruit & nuts nec	0
	7600 rubber & plastic pr.	0
	9900 unknown or nec	0

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
	Total Tons(x1000)	54
POTOMAC RIVER AT LOWER CEDAR POINT, MD	No Commerce Reported	
POTOMAC RIVER AT MT. VERNON, VA	No Commerce Reported	
POTOMAC RIVER, VIRGINIA CHANNEL, DC (INCLUDED IN WASHINGTON HARBOR, DC)	No Commerce Reported	
POTOMAC RIVER, WASHINGTON CHANNEL, DC (INCLUDED IN REPORT FOR WASHINGTON HARBOR, DC)	7900 manufac. prod. nec	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	5290 misc. mineral prod.	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	4
SMITH CREEK, MD	4331 sand & gravel 6136 shellfish	1 0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
ST. CATHERINES SOUND, MD	No Commerce Reported	
ST. JEROME CREEK, MD	No Commerce Reported	
ST. MICHAELS HARBOR, MD	4515 marine shells 6136 shellfish	0 1
	Total Tons(x1000)	1
ST. PATRICKS CREEK, MD	4515 marine shells 6136 shellfish	0 0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
ST. PETERS CREEK, MD	No Commerce Reported	
TILGHMAN ISLAND HARBOR, MD	6136 shellfish	1
	Total Tons(x1000)	1
TOWN CREEK, MD	No Commerce Reported	
TRED AVON RIVER, MD	4331 sand & gravel 4515 marine shells	137 2
	Total Tons(x1000)	139
	Total Ton-miles(x1000)	1,373
TWITCH COVE AND BIG THOROUGHFARE RIVER, MD	2211 gasoline 2221 kerosene 2330 distillate fuel oil 4331 sand & gravel 6136 shellfish	0 0 1 2 0
	Total Tons(x1000)	3
	Total Ton-miles(x1000)	6

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
TYASKIN CREEK, MD	No Commerce Reported	
UPPER MACHODOC CREEK, VA	4420 iron & steel scrap	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
UPPER THOROUGHFARE, DEAL ISLAND, MD	4331 sand & gravel	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	1
WARWICK RIVER, MD	6134 fish (not 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; 1-1500 s.f. area 35 ft. deep; 1-3000 ft. by 1000 ft. area 20 ft., and a 45 acre area 12 ft. deep at Pinner's Point.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	52,055	1992	53,496	1995	47,658	1998	48,540
1990	53,722	1993	45,544	1996	49,261		
1991	53,473	1994	45,774	1997	47,400		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	36,976	6,380	29,191	506	900
Total coal	24,378	0	23,483	—	895
1100 coal lignite	24,378	0	23,483	—	895
1200 coal coke	0	—	0	—	—
Total petroleum and petroleum products	1,333	1,239	18	76	1
Subtotal crude petroleum	636	636	—	—	—
2100 crude petroleum	636	636	—	—	—
Subtotal petroleum products	697	603	18	76	1
2221 kerosene	0	—	0	—	—
2330 distillate fuel oil	304	249	0	54	—
2340 residual fuel oil	210	187	1	22	1
2350 lube oil & greases	8	1	8	—	0
2410 petro. jelly & waxes	4	1	2	—	—
2429 naphtha & solvents	0	—	0	—	—
2430 asphalt, tar & pitch	1	0	1	—	—
2540 petroleum coke	24	23	1	—	—
2640 liquid natural gas	146	141	5	—	—
Total chemicals and related products	1,972	657	1,231	84	0
Subtotal fertilizers	846	170	603	73	0
3110 nitrogenous fert.	644	49	595	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	100	27	0	73	—
3190 fert. & mixes nec	103	95	8	—	0
Subtotal other chemicals and related products	1,126	487	628	11	0
3211 acyclic hydrocarbons	0	0	0	—	—
3219 other hydrocarbons	11	4	8	—	—
3220 alcohols	148	82	66	—	—
3230 carboxylic acids	52	34	18	—	—
3240 nitrogen func. comp.	99	20	79	—	—
3250 organo - inorg. comp.	62	40	22	—	—
3260 organic comp. nec	38	12	26	—	—
3272 sulphuric acid	7	0	0	7	—
3273 ammonia	0	0	0	—	—
3274 sodium hydroxide	34	29	1	4	—
3275 inorg. elem.oxides, & halogen salts	86	59	27	0	—
3276 metallic salts	38	26	12	0	0
3279 inorganic chem. nec	6	5	0	—	—
3281 radioactive material	1	1	0	—	—
3282 pigments & paints	31	15	15	—	—
3283 coloring mat. nec	14	5	9	—	—
3284 medicines	14	3	11	0	0
3285 perfumes & cleansers	47	7	39	0	—
3286 plastics	296	86	210	—	—
3291 pesticides	15	3	12	—	—
3292 starches, gluten, glue	52	30	22	—	0
3293 explosives	1	1	0	—	—
3297 chemical additives	17	2	14	—	—
3298 wood & resin chem.	1	1	0	—	—
3299 chem. products nec	57	22	35	0	0
Total crude materials, inedible except fuels	2,400	828	1,231	341	0
Subtotal forest products, wood and chips	841	335	506	0	0
4110 rubber & gums	249	248	1	—	—
4150 fuel wood	5	0	5	—	—
4161 wood chips	4	0	4	—	—
4170 wood in the rough	107	6	101	—	0
4189 lumber	464	70	394	0	0
4190 forest products nec	12	11	0	—	—

NORFOLK HARBOR, VA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Subtotal pulp and waste paper	472	8	463	0	—
4225 pulp & waste paper	472	8	463	0	—
Subtotal soil, sand, gravel, rock and stone	359	3	16	341	—
4310 building stone	3	1	2	—	—
4322 limestone	0	0	—	—	—
4323 gypsum	342	0	2	341	—
4327 phosphate rock	0	—	0	—	—
4331 sand & gravel	14	2	12	—	—
Subtotal iron ore and scrap	180	1	179	—	—
4410 iron ore	0	—	0	—	—
4420 iron & steel scrap	180	1	179	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—
Subtotal non-ferrous ores and scrap	413	381	32	—	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	350	349	0	—	—
4670 manganese ore	2	0	1	—	—
4680 non-ferrous scrap	36	13	23	—	—
4690 non-ferrous ores nec	25	19	6	—	—
Subtotal sulphur, clay and salt	45	16	29	—	—
4741 sulphur, (dry)	0	0	—	—	—
4782 clay & refrac. mat.	45	16	29	—	—
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	90	84	6	0	—
4900 non-metal. min. nec	90	84	6	0	—
Total primary manufactured goods	2,127	1,378	745	4	1
Subtotal paper products	648	139	505	3	1
5110 newsprint	3	2	0	1	—
5120 paper & paperboard	596	118	475	2	0
5190 paper products nec	49	19	29	—	0
Subtotal lime, cement and glass	767	696	71	0	—
5220 cement & concrete	544	543	1	—	—
5240 glass & glass prod.	74	34	40	0	—
5290 misc. mineral prod.	149	119	30	0	—
Subtotal primary iron and steel products	248	187	60	0	0
5312 pig iron	3	0	3	—	—
5315 ferro alloys	15	14	1	—	—
5320 i&s primary forms	15	13	1	—	—
5330 i&s plates & sheets	170	121	49	—	—
5360 i&s bars & shapes	20	19	1	0	—
5370 i&s pipe & tube	14	10	4	0	0
5390 primary i&s nec	10	9	1	—	—
Subtotal primary non-ferrous metal products	277	205	72	0	0
5421 copper	13	9	4	0	—
5422 aluminum	55	46	9	—	0
5429 smelted prod. nec	46	36	10	—	—
5480 fab. metal products	164	115	49	0	0
Subtotal primary wood products	188	150	38	—	—
5540 primary wood prod.	188	150	38	—	—
Total food and farm products	2,435	862	1,570	1	3
Subtotal fish	37	30	5	0	1
6134 fish (not shellfish)	30	26	3	—	1
6136 shellfish	7	4	3	0	—
Subtotal grain	340	19	321	—	0
6241 wheat	284	—	284	—	—
6344 corn	40	7	33	—	0
6442 rice	8	7	1	—	—
6443 barley & rye	0	0	—	—	—
6445 oats	7	4	3	—	—
6447 sorghum grains	0	0	0	—	—
Subtotal oilseeds	71	15	55	—	—
6521 peanuts	27	11	16	—	—
6522 soybeans	40	4	36	—	—
6590 oilseeds nec	4	0	4	—	—
Subtotal vegetable products	168	83	85	0	0
6653 vegetable oils	64	12	51	0	—
6654 vegetables & prod.	105	71	34	0	0
Subtotal processed grain and animal feed	462	34	428	—	—
6746 wheat flour	3	0	3	—	—
6747 grain mill products	41	13	29	—	—
6781 hay & fodder	11	0	11	—	—
6782 animal feed, prep.	407	22	385	—	—
Subtotal other agricultural products	1,357	680	675	0	1
6811 meat, fresh, frozen	202	5	197	—	—
6817 meat, prepared	21	9	12	—	—
6822 dairy products	5	2	3	—	—
6835 fish, prepared	17	17	0	—	—
6838 tallow, animal oils	26	0	25	—	—
6839 animals & prod. nec	31	16	15	—	0
6856 bananas & plantains	0	0	—	—	—

NORFOLK HARBOR, VA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
6857 fruit & nuts nec	32	24	7	—	0
6858 fruit juices	50	41	9	0	0
6861 sugar	1	0	1	—	—
6865 molasses	0	0	—	—	—
6871 coffee	40	40	0	—	—
6872 cocoa beans	71	70	1	—	—
6885 alcoholic beverages	324	227	97	0	0
6888 water & ice	51	51	0	—	—
6889 food products nec	116	62	54	0	0
6891 tobacco & products	351	106	245	—	0
6893 cotton	4	1	3	—	—
6894 natural fibers nec	0	0	0	—	—
6899 farm products nec	13	8	4	0	—
Total all manufactured equipment, machinery and products	2,283	1,394	888	1	1
7110 machinery (not elec)	807	532	274	0	0
7120 electrical machinery	199	75	123	0	0
7210 vehicles & parts	364	267	97	0	0
7220 aircraft & parts	5	2	3	—	—
7230 ships & boats	8	1	7	—	—
7300 ordnance & access.	9	2	7	0	—
7400 manufac. wood prod.	72	34	38	—	—
7500 textile products	257	115	142	0	—
7600 rubber & plastic pr.	241	152	88	0	0
7900 manufac. prod. nec	322	214	108	0	0
Total unknown or not elsewhere classified	48	22	25	0	0
9900 unknown or nec	48	22	25	0	0
Ton-miles (x1000) Foreign & Canadian	418,365	75,360	325,867	7,241	9,897

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	2,777	619	2,157
Total coal	2,086	—	2,086
1100 coal lignite	2,086	—	2,086
Total petroleum and petroleum products	341	307	33
Subtotal crude petroleum	16	—	16
2100 crude petroleum	16	—	16
Subtotal petroleum products	325	307	18
2330 distillate fuel oil	2	2	—
2340 residual fuel oil	303	285	18
2350 lube oil & greases	9	9	—
2410 petro. jelly & waxes	12	12	—
Total chemicals and related products	154	139	15
Subtotal fertilizers	50	35	15
3110 nitrogenous fert.	35	35	—
3120 phosphatic fert.	4	—	4
3190 fert. & mixes nec	10	—	10
Subtotal other chemicals and related products	104	104	—
3219 other hydrocarbons	44	44	—
3220 alcohols	42	42	—
3274 sodium hydroxide	17	17	—
3286 plastics	0	0	—
Total crude materials, inedible except fuels	0	0	—
Subtotal forest products, wood and chips	0	0	—
4110 rubber & gums	0	0	—
Total primary manufactured goods	138	138	0
Subtotal paper products	1	1	—
5120 paper & paperboard	1	1	—
5190 paper products nec	0	0	—
Subtotal lime, cement and glass	137	137	—
5220 cement & concrete	137	137	—
5240 glass & glass prod.	0	0	—
Subtotal primary iron and steel products	0	0	—
5360 i&s bars & shapes	0	0	—
5390 primary i&s nec	0	0	—
Subtotal primary non-ferrous metal products	0	0	0
5480 fab. metal products	0	0	0
Total food and farm products	44	28	17
Subtotal fish	1	1	—
6134 fish (not shellfish)	0	0	—

NORFOLK HARBOR, VA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
6136 shellfish	0	0	—
Subtotal grain	14	0	14
6241 wheat	14	0	14
Subtotal vegetable products	0	0	—
6654 vegetables & prod.	0	0	—
Subtotal processed grain and animal feed	22	20	3
6747 grain mill products	20	20	—
6782 animal feed, prep.	3	—	3
Subtotal other agricultural products	7	7	—
6858 fruit juices	6	6	—
6871 coffee	1	1	—
6885 alcoholic beverages	1	1	—
Total all manufactured equipment, machinery and products	13	7	6
7110 machinery (not elec)	0	0	—
7120 electrical machinery	0	0	—
7210 vehicles & parts	1	1	—
7220 aircraft & parts	0	0	—
7500 textile products	0	0	—
7600 rubber & plastic pr.	0	0	—
7900 manufac. prod. nec	12	6	6
Ton-miles (x1000) Coastwise	29,596	7,900	21,697

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	7,996	4,963	27	175	2,397	96	338
Total coal	931	—	—	—	931	—	—
1100 coal lignite	931	—	—	—	931	—	—
Total petroleum and petroleum products	1,548	546	5	130	643	64	161
Subtotal petroleum products	1,548	546	5	130	643	64	161
2211 gasoline	129	84	—	18	16	12	—
2221 kerosene	3	2	—	—	1	—	—
2330 distillate fuel oil	539	216	—	97	212	9	4
2340 residual fuel oil	780	155	5	15	410	41	155
2350 lube oil & greases	8	—	—	—	5	1	2
2430 asphalt, tar & pitch	89	89	—	—	—	—	—
Total chemicals and related products	458	255	15	45	135	8	—
Subtotal fertilizers	453	255	15	45	131	8	—
3110 nitrogenous fert.	411	255	—	45	103	8	—
3190 fert. & mixes nec	42	—	15	—	28	—	—
Subtotal other chemicals and related products	5	—	—	—	5	—	—
3272 sulphuric acid	5	—	—	—	5	—	—
Total crude materials, inedible except fuels	2,844	2,837	—	0	6	1	—
Subtotal forest products, wood and chips	6	—	—	—	6	—	—
4161 wood chips	6	—	—	—	6	—	—
Subtotal soil, sand, gravel, rock and stone	2,838	2,837	—	0	—	1	—
4331 sand & gravel	2,838	2,837	—	0	—	1	—
Total primary manufactured goods	158	152	0	0	5	1	—
Subtotal lime, cement and glass	110	109	—	—	0	1	—
5220 cement & concrete	106	106	—	—	—	—	—
5290 misc. mineral prod.	4	3	—	—	0	1	—
Subtotal primary iron and steel products	0	0	—	—	—	—	—
5320 i&s primary forms	0	0	—	—	—	—	—
Subtotal primary non-ferrous metal products	48	42	0	0	5	0	—
5480 fab. metal products	48	42	0	0	5	0	—
Total food and farm products	175	145	8	—	0	20	3
Subtotal fish	0	—	—	—	0	—	—
6136 shellfish	0	—	—	—	0	—	—
Subtotal grain	139	113	3	—	—	20	3
6241 wheat	124	101	3	—	—	20	—
6344 corn	5	5	—	—	—	—	—
6443 barley & rye	11	8	—	—	—	—	3
Subtotal oilseeds	36	32	5	—	—	—	—
6522 soybeans	36	32	5	—	—	—	—

NORFOLK HARBOR, VA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal other agricultural products	0	---	---	---	---	0	---
6888 water & ice	0	---	---	---	---	0	---
Total all manufactured equipment, machinery and products	1,880	1,028	---	0	676	---	175
7110 machinery (not elec)	0	0	---	0	---	---	---
7230 ships & boats	0	---	---	0	---	---	---
7300 ordnance & access.	0	---	---	0	---	---	---
7900 manufac. prod. nec	1,879	1,028	---	---	676	---	175
Total waste and scrap nec	2	0	---	---	---	2	---
8900 waste and scrap nec	2	0	---	---	---	2	---
Ton-miles (x1000)	89,666	62,449	92	1,599	23,891	632	1,003
Internal							
Tons All Traffic (x1000)	48,540						
Ton-miles All Traffic (x1000)	551,371						

*Does not include 791 (x1000) tons of through traffic

*Includes 59 (x1000) tons of foreign inbound in-transits; Includes 77 (x1000) tons of foreign outbound in-transits;
Includes 3 (x1000) tons of Canadian inbound in-transits; Includes 1 (x1000) tons of Canadian outbound in-transits.

HAMPTON ROADS, VA

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	77,106	1992	79,064	1995	72,508	1998	67,880
1990	79,638	1993	65,711	1996	75,552		
1991	86,315	1994	62,746	1997	68,500		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	50,302	7,915	40,841	645	901
Total coal	35,515	0	34,620	---	895
1100 coal lignite	35,515	0	34,620	---	895
1200 coal coke	0	---	0	---	---
Total petroleum and petroleum products	2,154	1,876	67	210	1
Subtotal crude petroleum	1,134	1,046	---	89	---
2100 crude petroleum	1,134	1,046	---	89	---
Subtotal petroleum products	1,019	830	67	122	1
2221 kerosene	0	---	0	---	---
2330 distillate fuel oil	329	275	0	54	---
2340 residual fuel oil	331	283	1	47	1
2350 lube oil & greases	9	1	9	---	0
2410 petro. jelly & waxes	4	2	3	---	---
2429 naphtha & solvents	0	0	0	---	---
2430 asphalt, tar & pitch	1	0	1	---	---
2540 petroleum coke	197	129	48	20	---
2640 liquid natural gas	146	141	5	---	---
Total chemicals and related products	2,168	719	1,365	84	0
Subtotal fertilizers	872	171	629	73	0
3110 nitrogenous fert.	668	49	619	---	---
3120 phosphatic fert.	0	---	0	---	---
3130 potassic fert.	100	27	0	73	---
3190 fert. & mixes nec	105	95	10	---	0
Subtotal other chemicals and related products	1,296	548	736	11	0
3211 acyclic hydrocarbons	0	0	0	---	---
3219 other hydrocarbons	12	4	8	---	---
3220 alcohols	169	83	86	---	---
3230 carboxylic acids	55	36	19	---	---
3240 nitrogen func. comp.	114	22	92	---	---
3250 organo - inorg. comp.	71	48	23	---	---
3260 organic comp. nec	41	12	29	---	---
3272 sulphuric acid	7	0	0	7	---
3273 ammonia	0	0	0	---	---

HAMPTON ROADS, VA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
3274 sodium hydroxide	34	29	1	4	—
3275 inorg. elem.,oxides, & halogen salts	113	84	28	0	0
3276 metallic salts	44	29	15	0	0
3279 inorganic chem. nec	7	7	0	—	—
3281 radioactive material	1	1	0	—	—
3282 pigments & paints	35	19	17	—	0
3283 coloring mat. nec	15	5	10	—	—
3284 medicines	16	3	13	0	0
3285 perfumes & cleansers	51	8	43	0	—
3286 plastics	346	95	251	—	0
3291 pesticides	16	4	13	—	—
3292 starches, gluten, glue	63	31	31	—	0
3293 explosives	1	1	0	—	—
3297 chemical additives	19	2	16	—	—
3298 wood & resin chem.	2	1	1	—	—
3299 chem. products nec	63	23	40	0	0
Total crude materials, inedible except fuels	2,487	857	1,288	341	1
Subtotal forest products, wood and chips	879	354	525	0	0
4110 rubber & gums	252	251	1	—	—
4150 fuel wood	5	0	5	—	—
4161 wood chips	4	0	4	—	—
4170 wood in the rough	113	6	107	—	0
4189 lumber	492	84	407	0	0
4190 forest products nec	12	12	0	—	—
Subtotal pulp and waste paper	500	14	486	0	—
4225 pulp & waste paper	500	14	486	0	—
Subtotal soil, sand, gravel, rock and stone	373	4	28	341	1
4310 building stone	4	2	2	—	—
4322 limestone	0	0	—	—	—
4323 gypsum	346	0	5	341	1
4327 phosphate rock	0	—	0	—	—
4331 sand & gravel	23	2	21	—	—
Subtotal iron ore and scrap	180	1	179	—	—
4410 iron ore	0	—	0	—	—
4420 iron & steel scrap	180	1	179	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—
Subtotal non-ferrous ores and scrap	417	385	32	—	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	351	351	1	—	—
4670 manganese ore	2	0	1	—	—
4680 non-ferrous scrap	39	15	23	—	—
4690 non-ferrous ores nec	25	19	7	—	—
Subtotal sulphur, clay and salt	47	16	32	—	—
4741 sulphur, (dry)	0	0	—	—	—
4782 clay & refrac. mat.	47	16	32	—	—
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	91	84	6	0	—
4900 non-metal. min. nec	91	84	6	0	—
Total primary manufactured goods	2,721	1,899	813	8	1
Subtotal paper products	741	180	553	8	1
5110 newsprint	7	2	0	6	—
5120 paper & paperboard	675	158	515	2	0
5190 paper products nec	59	21	38	—	0
Subtotal lime, cement and glass	1,167	1,089	77	0	0
5220 cement & concrete	916	915	1	—	—
5240 glass & glass prod.	83	41	42	0	—
5290 misc. mineral prod.	168	134	34	0	0
Subtotal primary iron and steel products	317	253	63	0	0
5312 pig iron	3	0	3	—	—
5315 ferro alloys	17	16	1	—	—
5320 i&s primary forms	16	14	2	—	—
5330 i&s plates & sheets	222	171	51	—	—
5360 i&s bars & shapes	32	31	1	0	—
5370 i&s pipe & tube	15	10	4	0	0
5390 primary i&s nec	12	11	1	—	—
Subtotal primary non-ferrous metal products	298	217	81	0	0
5421 copper	14	9	4	0	—
5422 aluminum	66	54	12	—	0
5429 smelted prod. nec	47	37	10	—	—
5480 fab. metal products	172	118	54	0	0
Subtotal primary wood products	198	159	40	—	—
5540 primary wood prod.	198	159	40	—	—
Total food and farm products	2,691	990	1,698	1	3
Subtotal fish	40	33	5	0	1
6134 fish (not shellfish)	32	28	3	—	1
6136 shellfish	8	5	3	0	—
Subtotal grain	341	19	322	—	0
6241 wheat	285	—	285	—	—

HAMPTON ROADS, VA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
6344 corn	40	7	33	—	0
6442 rice	8	7	1	—	—
6443 barley & rye	0	0	—	—	—
6445 oats	7	4	3	—	—
6447 sorghum grains	0	0	0	—	—
Subtotal oilseeds	75	19	56	—	—
6521 peanuts	31	15	16	—	—
6522 soybeans	40	4	36	—	—
6590 oilseeds nec	4	1	4	—	—
Subtotal vegetable products	171	85	86	0	0
6653 vegetable oils	64	12	52	0	—
6654 vegetables & prod.	107	72	34	0	0
Subtotal processed grain and animal feed	483	35	448	—	—
6746 wheat flour	3	0	3	—	—
6747 grain mill products	42	13	30	—	—
6781 hay & fodder	12	0	12	—	—
6782 animal feed, prep.	426	22	404	—	—
Subtotal other agricultural products	1,582	800	781	0	1
6811 meat, fresh, frozen	207	5	201	—	—
6817 meat, prepared	24	11	13	—	0
6822 dairy products	6	3	4	—	—
6835 fish, prepared	17	17	0	—	—
6838 tallow, animal oils	26	0	26	—	—
6839 animals & prod. nec	35	19	15	—	0
6856 bananas & plantains	0	0	—	—	—
6857 fruit & nuts nec	36	27	8	—	0
6858 fruit juices	52	42	9	0	0
6861 sugar	1	0	1	—	—
6865 molasses	0	0	—	—	—
6871 coffee	46	46	0	—	—
6872 cocoa beans	81	79	1	—	—
6885 alcoholic beverages	383	239	144	0	0
6888 water & ice	56	56	0	—	—
6889 food products nec	133	74	60	0	0
6891 tobacco & products	462	172	290	—	0
6893 cotton	4	1	3	—	—
6894 natural fibers nec	0	0	0	—	—
6899 farm products nec	13	8	4	0	—
Total all manufactured equipment, machinery and products	2,513	1,548	963	1	1
7110 machinery (not elec)	896	591	304	1	0
7120 electrical machinery	218	79	138	0	0
7210 vehicles & parts	432	326	105	0	0
7220 aircraft & parts	5	2	3	—	0
7230 ships & boats	8	1	7	—	—
7300 ordnance & access.	9	2	7	0	—
7400 manufac. wood prod.	75	35	40	—	0
7500 textile products	271	125	146	0	—
7600 rubber & plastic pr.	261	163	97	0	0
7900 manufac. prod. nec	339	223	116	0	0
Total unknown or not elsewhere classified	52	25	27	0	0
9900 unknown or nec	52	25	27	0	0

Commodity	Total*	Coastwise	
		Receipts	Shipments
Total, all commodities	5,145	711	4,434
Total coal	4,360	—	4,360
1100 coal lignite	4,360	—	4,360
Total petroleum and petroleum products	426	393	33
Subtotal crude petroleum	16	—	16
2100 crude petroleum	16	—	16
Subtotal petroleum products	411	393	18
2330 distillate fuel oil	2	2	—
2340 residual fuel oil	361	344	18
2350 lube oil & greases	9	9	—
2410 petro. jelly & waxes	12	12	—
2430 asphalt, tar & pitch	27	27	—
Total chemicals and related products	154	139	15
Subtotal fertilizers	50	35	15
3110 nitrogenous fert.	35	35	—
3120 phosphatic fert.	4	—	4
3190 fert. & mixes nec	10	—	10
Subtotal other chemicals and related products	104	104	—
3219 other hydrocarbons	44	44	—

HAMPTON ROADS, VA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Coastwise	
		Receipts	Shipments
3220 alcohols	42	42	—
3274 sodium hydroxide	17	17	—
3286 plastics	0	0	—
Total crude materials, inedible except fuels	0	0	—
Subtotal forest products, wood and chips	0	0	—
4110 rubber & gums	0	0	—
Total primary manufactured goods	142	142	0
Subtotal paper products	1	1	—
5120 paper & paperboard	1	1	—
5190 paper products nec	0	0	—
Subtotal lime, cement and glass	137	137	—
5220 cement & concrete	137	137	—
5240 glass & glass prod.	0	0	—
Subtotal primary iron and steel products	0	0	—
5360 i&s bars & shapes	0	0	—
5390 primary i&s nec	0	0	—
Subtotal primary non-ferrous metal products	4	4	0
5480 fab. metal products	4	4	0
Total food and farm products	44	28	17
Subtotal fish	1	1	—
6134 fish (not shellfish)	0	0	—
6136 shellfish	0	0	—
Subtotal grain	14	0	14
6241 wheat	14	0	14
Subtotal vegetable products	0	0	—
6654 vegetables & prod.	0	0	—
Subtotal processed grain and animal feed	22	20	3
6747 grain mill products	20	20	—
6782 animal feed, prep.	3	—	3
Subtotal other agricultural products	7	7	—
6858 fruit juices	6	6	—
6871 coffee	1	1	—
6885 alcoholic beverages	1	1	—
Total all manufactured equipment, machinery and products	19	10	9
7110 machinery (not elec)	6	3	3
7120 electrical machinery	0	0	—
7210 vehicles & parts	1	1	—
7220 aircraft & parts	0	0	—
7500 textile products	0	0	—
7600 rubber & plastic pr.	0	0	—
7900 manufac. prod. nec	12	6	6

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	11,646	5,408	23	175	5,477	220	343
Total coal	3,999	—	—	—	3,999	—	—
1100 coal lignite	3,999	—	—	—	3,999	—	—
Total petroleum and petroleum products	1,755	619	0	130	655	187	165
Subtotal petroleum products	1,755	619	0	130	655	187	165
2211 gasoline	129	84	—	18	16	12	—
2221 kerosene	3	2	—	—	1	—	—
2330 distillate fuel oil	578	256	—	97	189	33	4
2340 residual fuel oil	948	188	0	15	446	139	159
2350 lube oil & greases	8	—	—	—	4	2	2
2430 asphalt, tar & pitch	89	89	—	—	—	—	—
Total chemicals and related products	458	255	15	45	135	8	—
Subtotal fertilizers	453	255	15	45	131	8	—
3110 nitrogenous fert.	411	255	—	45	103	8	—
3190 fert. & mixes nec	42	—	15	—	28	—	—
Subtotal other chemicals and related products	5	—	—	—	5	—	—
3272 sulphuric acid	5	—	—	—	5	—	—
Total crude materials, inedible except fuels	3,215	3,208	—	0	6	1	—
Subtotal forest products, wood and chips	6	—	—	—	6	—	—
4161 wood chips	6	—	—	—	6	—	—
4189 lumber	0	—	—	—	0	—	—

HAMPTON ROADS, VA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total*	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal soil, sand, gravel, rock and stone	3,210	3,208	---	0	---	1	---
4331 sand & gravel	3,210	3,208	---	0	---	1	---
Total primary manufactured goods	160	153	0	0	5	1	---
Subtotal lime, cement and glass	110	109	---	---	0	1	---
5220 cement & concrete	106	106	---	---	---	---	---
5290 misc. mineral prod.	4	3	---	---	0	1	---
Subtotal primary iron and steel products	1	1	---	---	---	---	---
5320 i&s primary forms	0	0	---	---	---	---	---
5360 i&s bars & shapes	1	1	---	---	---	---	---
Subtotal primary non-ferrous metal products	48	43	0	0	5	0	---
5480 fab. metal products	48	43	0	0	5	0	---
Total food and farm products	175	145	8	---	---	20	3
Subtotal fish	0	0	---	---	---	0	---
6136 shellfish	0	0	---	---	---	0	---
Subtotal grain	139	113	3	---	---	20	3
6241 wheat	124	101	3	---	---	20	---
6344 corn	5	5	---	---	---	---	---
6443 barley & rye	11	8	---	---	---	---	3
Subtotal oilseeds	36	32	5	---	---	---	---
6522 soybeans	36	32	5	---	---	---	---
Subtotal other agricultural products	0	---	---	---	---	0	---
6888 water & ice	0	---	---	---	---	0	---
Total all manufactured equipment, machinery and products	1,880	1,028	---	0	676	---	175
7110 machinery (not elec)	0	0	---	0	---	---	---
7230 ships & boats	0	---	---	0	---	---	---
7300 ordnance & access.	0	---	---	0	---	---	---
7400 manufac. wood prod.	0	---	---	---	0	---	---
7900 manufac. prod. nec	1,879	1,028	---	---	676	---	175
Total waste and scrap nec	2	0	---	---	---	2	---
8900 waste and scrap nec	2	0	---	---	---	2	---

*Does not include 788 (x1000) tons of through traffic

*Includes 73 (x1000) tons of foreign inbound in-transits; Includes 98 (x1000) tons of foreign outbound in-transits;
Includes 3 (x1000) tons of Canadian inbound in-transits; Includes 1 (x1000) tons of Canadian outbound in-transits.

CHANNEL TO NEWPORT NEWS, VA

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	27,575	1992	29,635	1995	28,601	1998	24,343
1990	30,611	1993	21,938	1996	30,948		
1991	35,168	1994	20,250	1997	26,538		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	14,529	1,861	12,443	208	17
Total coal	11,221	0	11,221	---	---
1100 coal lignite	11,221	0	11,221	---	---
Total petroleum and petroleum products	823	638	50	134	---
Subtotal crude petroleum	499	410	---	89	---
2100 crude petroleum	499	410	---	89	---
Subtotal petroleum products	324	228	50	45	---
2330 distillate fuel oil	26	26	---	---	---
2340 residual fuel oil	121	95	0	25	---
2350 lube oil & greases	1	0	1	---	---
2410 petro. jelly & waxes	1	1	0	---	---
2429 naphtha & solvents	0	0	0	---	---
2430 asphalt, tar & pitch	0	0	0	---	---
2540 petroleum coke	175	106	49	20	---

CHANNEL TO NEWPORT NEWS, VA
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total chemicals and related products	816	173	641	---	2
Subtotal fertilizers	510	24	484	---	2
3110 nitrogenous fert.	498	13	482	---	2
3130 potassic fert.	0	---	0	---	---
3190 fert. & mixes nec	13	11	2	---	---
Subtotal other chemicals and related products	306	149	157	---	0
3211 acyclic hydrocarbons	1	1	0	---	---
3219 other hydrocarbons	1	0	1	---	---
3220 alcohols	24	1	23	---	---
3230 carboxylic acids	10	8	2	---	---
3240 nitrogen func. comp.	16	2	14	---	---
3250 organo - inorg. comp.	16	11	5	---	---
3260 organic comp. nec	5	0	5	---	---
3272 sulphuric acid	0	---	0	---	---
3273 ammonia	0	---	0	---	---
3274 sodium hydroxide	2	2	0	---	---
3275 inorg. elem.,oxides, & halogen salts	30	25	5	---	0
3276 metallic salts	56	53	3	---	---
3279 inorganic chem. nec	3	3	0	---	---
3282 pigments & paints	5	4	1	---	0
3283 coloring mat. nec	2	2	0	---	---
3284 medicines	7	1	5	---	---
3285 perfumes & cleansers	15	3	12	---	---
3286 plastics	85	27	58	---	0
3291 pesticides	1	0	1	---	---
3292 starches, gluten, glue	11	2	10	---	0
3293 explosives	0	0	---	---	---
3297 chemical additives	3	0	3	---	---
3298 wood & resin chem.	0	---	0	---	---
3299 chem. products nec	14	4	9	---	---
Total crude materials, inedible except fuels	144	30	102	---	13
Subtotal forest products, wood and chips	38	19	19	---	---
4110 rubber & gums	3	3	0	---	---
4150 fuel wood	1	---	1	---	---
4161 wood chips	0	---	0	---	---
4170 wood in the rough	6	0	5	---	---
4189 lumber	28	15	13	---	---
4190 forest products nec	1	1	0	---	---
Subtotal pulp and waste paper	44	6	26	---	12
4225 pulp & waste paper	44	6	26	---	12
Subtotal soil, sand, gravel, rock and stone	17	1	15	---	1
4310 building stone	1	0	0	---	---
4323 gypsum	5	---	4	---	1
4331 sand & gravel	12	1	11	---	---
Subtotal iron ore and scrap	30	---	30	---	---
4420 iron & steel scrap	30	---	30	---	---
Subtotal non-ferrous ores and scrap	4	3	0	---	---
4650 aluminum ore	1	1	0	---	---
4680 non-ferrous scrap	2	2	0	---	---
4690 non-ferrous ores nec	0	0	0	---	---
Subtotal sulphur, clay and salt	10	0	10	---	---
4741 sulphur, (dry)	0	0	---	---	---
4782 clay & refrac. mat.	10	0	10	---	---
Subtotal other non-metal. min.	1	0	0	---	---
4900 non-metal. min. nec	1	0	0	---	---
Total primary manufactured goods	819	655	88	74	2
Subtotal paper products	199	65	59	74	2
5110 newsprint	74	---	---	74	---
5120 paper & paperboard	113	63	49	---	2
5190 paper products nec	12	2	10	---	---
Subtotal lime, cement and glass	411	401	11	0	0
5220 cement & concrete	372	372	0	---	---
5240 glass & glass prod.	16	12	4	0	---
5290 misc. mineral prod.	24	17	7	---	0
Subtotal primary iron and steel products	158	153	4	---	---
5312 pig iron	0	0	0	---	---
5315 ferro alloys	2	2	0	---	---
5320 i&s primary forms	2	1	1	---	---
5330 i&s plates & sheets	61	59	2	---	---
5360 i&s bars & shapes	89	89	0	---	---
5370 i&s pipe & tube	1	0	0	---	---
5390 primary i&s nec	2	2	0	---	---
Subtotal primary non-ferrous metal products	40	28	12	---	0
5421 copper	1	1	1	---	---
5422 aluminum	15	12	3	---	---
5429 smelted prod. nec	12	9	3	---	---
5480 fab. metal products	12	7	5	---	0
Subtotal primary wood products	11	9	2	---	---
5540 primary wood prod.	11	9	2	---	---

CHANNEL TO NEWPORT NEWS, VA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total food and farm products	411	177	234	---	0
Subtotal fish	3	3	0	---	---
6134 fish (not shellfish)	2	2	0	---	---
6136 shellfish	1	1	0	---	---
Subtotal grain	1	0	1	---	---
6241 wheat	0	---	0	---	---
6344 corn	1	0	1	---	---
6442 rice	0	0	0	---	---
6443 barley & rye	0	---	0	---	---
6447 sorghum grains	0	---	0	---	---
Subtotal oilseeds	4	4	1	---	---
6521 peanuts	4	3	1	---	---
6522 soybeans	0	0	---	---	---
6590 oilseeds nec	0	0	0	---	---
Subtotal vegetable products	4	2	2	---	---
6653 vegetable oils	1	0	0	---	---
6654 vegetables & prod.	3	2	2	---	---
Subtotal processed grain and animal feed	21	1	20	---	---
6746 wheat flour	0	---	0	---	---
6747 grain mill products	1	0	1	---	---
6781 hay & fodder	1	---	1	---	---
6782 animal feed, prep.	19	0	18	---	---
Subtotal other agricultural products	378	168	210	---	0
6811 meat, fresh, frozen	5	0	5	---	---
6817 meat, prepared	3	2	1	---	0
6822 dairy products	1	1	0	---	---
6835 fish, prepared	0	0	0	---	---
6838 tallow, animal oils	0	---	0	---	---
6839 animals & prod. nec	5	3	1	---	---
6857 fruit & nuts nec	4	3	1	---	---
6858 fruit juices	2	2	0	---	---
6871 coffee	6	6	0	---	---
6872 cocoa beans	9	9	---	---	---
6885 alcoholic beverages	86	39	47	---	---
6888 water & ice	13	13	0	---	---
6889 food products nec	21	12	9	---	---
6891 tobacco & products	223	77	146	---	---
6893 cotton	0	0	---	---	---
6894 natural fibers nec	0	0	---	---	---
6899 farm products nec	0	0	0	---	---
Total all manufactured equipment, machinery and products	290	184	105	0	0
7110 machinery (not elec)	98	64	33	0	0
7120 electrical machinery	20	4	16	---	0
7210 vehicles & parts	79	67	12	0	0
7220 aircraft & parts	0	---	0	---	0
7230 ships & boats	0	0	0	---	---
7300 ordnance & access.	1	0	1	---	---
7400 manufac. wood prod.	4	2	2	---	0
7500 textile products	42	21	21	0	---
7600 rubber & plastic pr.	28	15	12	---	0
7900 manufac. prod. nec	20	11	9	---	0
Total unknown or not elsewhere classified	5	3	2	---	---
9900 unknown or nec	5	3	2	---	---
Ton-miles (x1000)	45,995	6,233	38,914	764	84
Foreign & Canadian					

Commodity	Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	9,814	192	2,311	645	6,665
Total coal	5,342	---	2,274	---	3,068
1100 coal lignite	5,342	---	2,274	---	3,068
Total petroleum and petroleum products	790	181	---	372	236
Subtotal petroleum products	790	181	---	372	236
2211 gasoline	44	7	---	20	17
2330 distillate fuel oil	178	---	---	70	108
2340 residual fuel oil	404	60	---	233	111
2350 lube oil & greases	5	4	---	1	---
2430 asphalt, tar & pitch	158	110	---	49	---

CHANNEL TO NEWPORT NEWS, VA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Through		Through	
		Upbound	Downbnd	Upbound	Downbnd
Total chemicals and related products	582	5	35	270	272
Subtotal fertilizers	292	—	20	—	272
3110 nitrogenous fert.	292	—	20	—	272
Subtotal other chemicals and related products	290	5	15	270	—
3220 alcohols	267	—	—	267	—
3272 sulphuric acid	3	—	—	3	—
3273 ammonia	15	—	15	—	—
3274 sodium hydroxide	5	5	—	—	—
Total crude materials, inedible except fuels	3,088	—	—	0	3,087
Subtotal forest products, wood and chips	0	—	—	—	0
4189 lumber	0	—	—	—	0
Subtotal soil, sand, gravel, rock and stone	3,087	—	—	—	3,087
4331 sand & gravel	3,087	—	—	—	3,087
Subtotal iron ore and scrap	0	—	—	0	—
4420 iron & steel scrap	0	—	—	0	—
Total primary manufactured goods	6	4	—	2	0
Subtotal lime, cement and glass	0	—	—	0	0
5290 misc. mineral prod.	0	—	—	0	0
Subtotal primary iron and steel products	1	—	—	1	—
5360 i&s bars & shapes	1	—	—	1	—
Subtotal primary non-ferrous metal products	4	4	—	0	—
5480 fab. metal products	4	4	—	0	—
Total food and farm products	0	—	—	—	0
Subtotal fish	0	—	—	—	0
6136 shellfish	0	—	—	—	0
Total all manufactured equipment, machinery and products	7	3	3	0	0
7110 machinery (not elec)	6	3	3	0	—
7230 ships & boats	0	—	—	0	0
7400 manufac. wood prod.	0	—	—	—	0
Total waste and scrap nec	0	—	—	—	0
8900 waste and scrap nec	0	—	—	—	0
Ton-miles (x1000)	37,453	779	7,004	2,808	26,862
Domestic					
Tons All Traffic (x1000)	24,343				
Ton-miles All Traffic (x1000)	83,448				

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
1989	21,852	1992	24,450	1995	23,365	1998	19,075
1990	24,935	1993	16,735	1996	24,787		
1991	29,168	1994	15,671	1997	20,755		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	13,326	1,535	11,651	139	1
Total coal	11,137	0	11,137	—	—
1100 coal lignite	11,137	0	11,137	—	—
Total petroleum and petroleum products	821	637	49	134	—
Subtotal crude petroleum	499	410	—	89	—
2100 crude petroleum	499	410	—	89	—
Subtotal petroleum products	322	227	49	45	—
2330 distillate fuel oil	26	26	—	—	—
2340 residual fuel oil	121	95	0	25	—
2350 lube oil & greases	1	0	1	—	—
2410 petro. jelly & waxes	1	1	0	—	—
2429 naphtha & solvents	0	0	0	—	—
2430 asphalt, tar & pitch	0	—	0	—	—
2540 petroleum coke	174	106	47	20	—

PORT OF NEWPORT NEWS, VA (INCLUDING NEWPORT NEWS CREEK, VA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total chemicals and related products	196	62	134	—	0
Subtotal fertilizers	26	0	26	—	—
3110 nitrogenous fert.	24	0	24	—	—
3130 potassic fert.	0	—	0	—	—
3190 fert. & mixes nec	2	0	2	—	—
Subtotal other chemicals and related products	170	62	108	—	0
3211 acyclic hydrocarbons	0	—	0	—	—
3219 other hydrocarbons	1	0	1	—	—
3220 alcohols	21	1	21	—	—
3230 carboxylic acids	3	2	1	—	—
3240 nitrogen func. comp.	15	2	13	—	—
3250 organo - inorg. comp.	10	9	1	—	—
3260 organic comp. nec	3	0	3	—	—
3274 sodium hydroxide	1	0	0	—	—
3275 inorg. elem., oxides, & halogen salts	27	25	2	—	0
3276 metallic salts	6	3	3	—	—
3279 inorganic chem. nec	2	2	0	—	—
3282 pigments & paints	5	3	1	—	0
3283 coloring mat. nec	1	0	0	—	—
3284 medicines	1	0	1	—	—
3285 perfumes & cleansers	5	1	3	—	—
3286 plastics	50	9	40	—	0
3291 pesticides	1	0	1	—	—
3292 starches, gluten, glue	11	1	10	—	—
3293 explosives	0	0	—	—	—
3297 chemical additives	2	0	2	—	—
3298 wood & resin chem.	0	—	0	—	—
3299 chem. products nec	6	2	5	—	—
Total crude materials, inedible except fuels	87	29	57	—	1
Subtotal forest products, wood and chips	38	19	19	—	—
4110 rubber & gums	3	3	0	—	—
4150 fuel wood	0	—	0	—	—
4161 wood chips	0	—	0	—	—
4170 wood in the rough	6	0	5	—	—
4189 lumber	28	15	13	—	—
4190 forest products nec	1	1	0	—	—
Subtotal pulp and waste paper	28	6	22	—	—
4225 pulp & waste paper	28	6	22	—	—
Subtotal soil, sand, gravel, rock and stone	14	1	12	—	1
4310 building stone	0	0	—	—	—
4323 gypsum	4	—	3	—	1
4331 sand & gravel	10	1	9	—	—
Subtotal iron ore and scrap	0	—	0	—	—
4420 iron & steel scrap	0	—	0	—	—
Subtotal non-ferrous ores and scrap	4	3	0	—	—
4650 aluminum ore	1	1	0	—	—
4680 non-ferrous scrap	2	2	0	—	—
4690 non-ferrous ores nec	0	0	0	—	—
Subtotal sulphur, clay and salt	3	0	3	—	—
4741 sulphur, (dry)	0	0	—	—	—
4782 clay & refrac. mat.	3	0	3	—	—
Subtotal other non-metal. min.	0	0	0	—	—
4900 non-metal. min. nec	0	0	0	—	—
Total primary manufactured goods	594	522	68	5	0
Subtotal paper products	93	41	48	5	—
5110 newsprint	5	—	—	5	—
5120 paper & paperboard	78	39	39	—	—
5190 paper products nec	10	2	9	—	—
Subtotal lime, cement and glass	400	393	6	0	0
5220 cement & concrete	372	372	0	—	—
5240 glass & glass prod.	9	7	2	0	—
5290 misc. mineral prod.	19	15	4	—	0
Subtotal primary iron and steel products	69	66	3	—	—
5312 pig iron	0	0	0	—	—
5315 ferro alloys	2	2	0	—	—
5320 i&s primary forms	1	1	0	—	—
5330 i&s plates & sheets	51	49	2	—	—
5360 i&s bars & shapes	12	12	0	—	—
5370 i&s pipe & tube	1	0	0	—	—
5390 primary i&s nec	2	2	0	—	—
Subtotal primary non-ferrous metal products	21	13	9	—	0
5421 copper	1	0	0	—	—
5422 aluminum	11	8	3	—	—
5429 smelted prod. nec	2	1	0	—	—
5480 fab. metal products	8	3	5	—	0
Subtotal primary wood products	11	9	2	—	—
5540 primary wood prod.	11	9	2	—	—
Total food and farm products	257	129	128	—	0
Subtotal fish	3	3	0	—	—
6134 fish (not shellfish)	2	2	0	—	—

PORT OF NEWPORT NEWS, VA (INCLUDING NEWPORT NEWS CREEK, VA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
6136 shellfish	1	1	0	—	—
Subtotal grain	1	0	1	—	—
6241 wheat	0	—	0	—	—
6344 corn	1	0	1	—	—
6442 rice	0	0	—	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	4	4	1	—	—
6521 peanuts	4	3	1	—	—
6522 soybeans	0	0	—	—	—
6590 oilseeds nec	0	0	0	—	—
Subtotal vegetable products	2	1	1	—	—
6653 vegetable oils	1	0	0	—	—
6654 vegetables & prod.	2	1	1	—	—
Subtotal processed grain and animal feed	20	1	20	—	—
6746 wheat flour	0	—	0	—	—
6747 grain mill products	1	0	1	—	—
6781 hay & fodder	1	—	1	—	—
6782 animal feed, prep.	19	0	18	—	—
Subtotal other agricultural products	226	120	106	—	0
6811 meat, fresh, frozen	5	0	4	—	—
6817 meat, prepared	3	2	1	—	0
6822 dairy products	1	1	0	—	—
6835 fish, prepared	0	0	0	—	—
6838 tallow, animal oils	0	—	0	—	—
6839 animals & prod. nec	4	3	1	—	—
6857 fruit & nuts nec	4	3	1	—	—
6858 fruit juices	2	2	0	—	—
6871 coffee	6	6	0	—	—
6872 cocoa beans	9	9	—	—	—
6885 alcoholic beverages	59	12	47	—	—
6888 water & ice	5	5	0	—	—
6889 food products nec	18	12	6	—	—
6891 tobacco & products	111	66	45	—	—
6893 cotton	0	0	—	—	—
6894 natural fibers nec	0	0	—	—	—
6899 farm products nec	0	0	0	—	—
Total all manufactured equipment, machinery and products	230	154	76	0	0
7110 machinery (not elec)	89	59	30	0	0
7120 electrical machinery	18	4	14	—	0
7210 vehicles & parts	67	59	9	0	0
7220 aircraft & parts	0	—	0	—	0
7230 ships & boats	0	0	0	—	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	4	1	2	—	0
7500 textile products	14	10	4	0	—
7600 rubber & plastic pr.	20	11	9	—	0
7900 manufac. prod. nec	17	9	7	—	0
Total unknown or not elsewhere classified	4	2	2	—	—
9900 unknown or nec	4	2	2	—	—

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	5,749	92	2,277	173	3,207	1
Total coal	5,342	—	2,274	—	3,068	—
1100 coal lignite	5,342	—	2,274	—	3,068	—
Total petroleum and petroleum products	395	85	—	171	138	1
Subtotal petroleum products	395	85	—	171	138	1
2330 distillate fuel oil	40	—	—	40	—	—
2340 residual fuel oil	327	59	—	130	138	1
2350 lube oil & greases	1	—	—	1	—	—
2430 asphalt, tar & pitch	27	27	—	—	—	—
Total crude materials, inedible except fuels	0	—	—	—	0	—
Subtotal forest products, wood and chips	0	—	—	—	0	—
4189 lumber	0	—	—	—	0	—
Total primary manufactured goods	6	4	—	2	0	—
Subtotal lime, cement and glass	0	—	—	0	0	—
5290 misc. mineral prod.	0	—	—	0	0	—
Subtotal primary iron and steel products	1	—	—	1	—	—
5360 i&s bars & shapes	1	—	—	1	—	—
Subtotal primary non-ferrous metal products	4	4	—	0	—	—
5480 fab. metal products	4	4	—	0	—	—

PORT OF NEWPORT NEWS, VA (INCLUDING NEWPORT NEWS CREEK, VA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total food and farm products	0	---	---	0	---	---
Subtotal fish	0	---	---	0	---	---
6136 shellfish	0	---	---	0	---	---
Total all manufactured equipment, machinery and products	6	3	3	0	0	---
7110 machinery (not elec)	6	3	3	0	---	---
7400 manufac. wood prod.	0	---	---	---	0	---
Total waste and scrap nec	0	---	---	---	0	---
8900 waste and scrap nec	0	---	---	---	0	---

*Includes 14 (x1000) tons of foreign inbound in-transits; Includes 21 (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
1989	2,295	1992	1,633	1995	1,135	1998	1,089
1990	2,064	1993	1,669	1996	1,499		
1991	1,909	1994	1,134	1997	1,121		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Imports*	Exports*	Imports	Exports*	Total	Internal		
							Coastwise Receipts	Receipts	Shipments
Total, all commodities	1,089	312	330	69	16	362	96	132	135
Total coal	83	---	83	---	---	---	---	---	---
1100 coal lignite	83	---	83	---	---	---	---	---	---
Total petroleum and petroleum products	364	1	1	---	---	362	96	131	135
Subtotal petroleum products	364	1	1	---	---	362	96	131	135
2211 gasoline	44	---	---	---	---	44	7	20	17
2330 distillate fuel oil	152	---	---	---	---	152	---	39	113
2340 residual fuel oil	61	---	0	---	---	61	2	55	4
2350 lube oil & greases	4	---	---	---	---	4	4	0	---
2410 petro. jelly & waxes	0	0	0	---	---	---	---	---	---
2430 asphalt, tar & pitch	101	0	0	---	---	100	83	18	---
2540 petroleum coke	1	---	1	---	---	---	---	---	---
Total chemicals and related products	147	97	49	---	2	---	---	---	---
Subtotal fertilizers	13	11	0	---	2	---	---	---	---
3110 nitrogenous fert.	2	---	---	---	2	---	---	---	---
3190 fert. & mixes nec	11	11	0	---	---	---	---	---	---
Subtotal other chemicals and related products	135	86	48	---	---	---	---	---	---
3211 acyclic hydrocarbons	1	1	0	---	---	---	---	---	---
3219 other hydrocarbons	0	0	---	---	---	---	---	---	---
3220 alcohols	2	0	2	---	---	---	---	---	---
3230 carboxylic acids	7	6	1	---	---	---	---	---	---
3240 nitrogen func. comp.	1	0	1	---	---	---	---	---	---

PORT OF RICHMOND, VA (INCLUDED IN JAMES RIVER, VA CONSOLIDATED REPORT)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Imports*	Exports*	Imports	Exports*	Total	Coastwise		Internal	
							Receipts	Receipts	Shipments	
3250 organo - inorg. comp.	6	2	4	—	—	—	—	—	—	
3260 organic comp. nec	2	0	2	—	—	—	—	—	—	
3272 sulphuric acid	0	—	0	—	—	—	—	—	—	
3273 ammonia	0	—	0	—	—	—	—	—	—	
3274 sodium hydroxide	0	0	—	—	—	—	—	—	—	
3275 inorg. elem., oxides, & halogen salts	3	0	3	—	—	—	—	—	—	
3276 metallic salts	50	50	0	—	—	—	—	—	—	
3279 inorganic chem. nec	1	1	0	—	—	—	—	—	—	
3282 pigments & paints	1	0	0	—	—	—	—	—	—	
3283 coloring mat. nec	1	1	0	—	—	—	—	—	—	
3284 medicines	5	1	4	—	—	—	—	—	—	
3285 perfumes & cleansers	10	2	8	—	—	—	—	—	—	
3286 plastics	35	18	18	—	—	—	—	—	—	
3291 pesticides	0	0	—	—	—	—	—	—	—	
3292 starches, gluten, glue	1	0	0	—	—	—	—	—	—	
3297 chemical additives	1	0	1	—	—	—	—	—	—	
3299 chem. products nec	7	2	5	—	—	—	—	—	—	
Total crude materials, inedible except fuels	57	0	45	—	12	0	—	0	—	
Subtotal forest products, wood and chips	0	—	0	—	—	—	—	—	—	
4150 fuel wood	0	—	0	—	—	—	—	—	—	
Subtotal pulp and waste paper	16	—	4	—	12	—	—	—	—	
4225 pulp & waste paper	16	—	4	—	12	—	—	—	—	
Subtotal soil, sand, gravel, rock and stone	3	—	3	—	—	—	—	—	—	
4310 building stone	0	—	0	—	—	—	—	—	—	
4323 gypsum	1	—	1	—	—	—	—	—	—	
4331 sand & gravel	2	—	2	—	—	—	—	—	—	
Subtotal iron ore and scrap	31	—	30	—	—	0	—	0	—	
4420 iron & steel scrap	31	—	30	—	—	0	—	0	—	
Subtotal non-ferrous ores and scrap	0	0	0	—	—	—	—	—	—	
4680 non-ferrous scrap	0	0	0	—	—	—	—	—	—	
Subtotal sulphur, clay and salt	7	—	7	—	—	—	—	—	—	
4782 clay & refrac. mat.	7	—	7	—	—	—	—	—	—	
Subtotal other non-metal. min.	0	0	0	—	—	—	—	—	—	
4900 non-metal. min. nec	0	0	0	—	—	—	—	—	—	
Total primary manufactured goods	225	134	20	69	2	—	—	—	—	
Subtotal paper products	106	24	11	69	2	—	—	—	—	
5110 newsprint	69	—	—	69	—	—	—	—	—	
5120 paper & paperboard	35	24	9	—	2	—	—	—	—	
5190 paper products nec	2	0	2	—	—	—	—	—	—	
Subtotal lime, cement and glass	12	7	4	—	—	—	—	—	—	
5240 glass & glass prod.	7	6	1	—	—	—	—	—	—	

PORT OF RICHMOND, VA (INCLUDED IN JAMES RIVER, VA CONSOLIDATED REPORT)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Imports*	Exports*	Imports	Exports*	Total	Coastwise		Internal	
							Receipts	Receipts	Shipments	
5290 misc. mineral prod.	5	2	3	—	—	—	—	—	—	
Subtotal primary iron and steel products	88	87	1	—	—	—	—	—	—	
5312 pig iron	0	0	—	—	—	—	—	—	—	
5320 i&s primary forms	1	—	1	—	—	—	—	—	—	
5330 i&s plates & sheets	10	10	—	—	—	—	—	—	—	
5360 i&s bars & shapes	77	77	—	—	—	—	—	—	—	
5390 primary i&s nec	0	0	—	—	—	—	—	—	—	
Subtotal primary non-ferrous metal products	19	16	3	—	—	—	—	—	—	
5421 copper	0	0	0	—	—	—	—	—	—	
5422 aluminum	4	4	0	—	—	—	—	—	—	
5429 smelted prod. nec	10	8	3	—	—	—	—	—	—	
5480 fab. metal products	4	4	0	—	—	—	—	—	—	
Subtotal primary wood products	0	—	0	—	—	—	—	—	—	
5540 primary wood prod.	0	—	0	—	—	—	—	—	—	
Total food and farm products	151	49	103	—	—	0	—	—	0	
Subtotal fish	0	—	—	—	—	0	—	—	0	
6136 shellfish	0	—	—	—	—	0	—	—	0	
Subtotal grain	0	—	0	—	—	—	—	—	—	
6442 rice	0	—	0	—	—	—	—	—	—	
6443 barley & rye	0	—	0	—	—	—	—	—	—	
Subtotal vegetable products	2	1	1	—	—	—	—	—	—	
6653 vegetable oils	0	0	0	—	—	—	—	—	—	
6654 vegetables & prod.	2	1	1	—	—	—	—	—	—	
Subtotal processed grain and animal feed	0	—	0	—	—	—	—	—	—	
6747 grain mill products	0	—	0	—	—	—	—	—	—	
6781 hay & fodder	0	—	0	—	—	—	—	—	—	
Subtotal other agricultural products	149	48	101	—	—	—	—	—	—	
6811 meat, fresh, frozen	0	—	0	—	—	—	—	—	—	
6822 dairy products	0	0	—	—	—	—	—	—	—	
6838 tallow, animal oils	0	—	0	—	—	—	—	—	—	
6839 animals & prod. nec	1	—	1	—	—	—	—	—	—	
6857 fruit & nuts nec	0	0	0	—	—	—	—	—	—	
6858 fruit juices	0	0	—	—	—	—	—	—	—	
6872 cocoa beans	0	0	—	—	—	—	—	—	—	
6885 alcoholic beverages	28	28	0	—	—	—	—	—	—	
6888 water & ice	8	8	—	—	—	—	—	—	—	
6889 food products nec	3	0	3	—	—	—	—	—	—	
6891 tobacco & products	110	12	98	—	—	—	—	—	—	
6894 natural fibers nec	0	0	—	—	—	—	—	—	—	
Total all manufactured equipment, machinery and products	60	31	29	—	—	—	—	—	—	
7110 machinery (not elec)	8	5	3	—	—	—	—	—	—	
7120 electrical machinery	2	0	1	—	—	—	—	—	—	
7210 vehicles & parts	11	8	3	—	—	—	—	—	—	

PORT OF RICHMOND, VA (INCLUDED IN JAMES RIVER, VA CONSOLIDATED REPORT)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Imports*	Exports*	Imports	Exports*	Total	Coastwise		Internal	
							Receipts	Receipts	Shipments	
7230 ships & boats	0	—	0	—	—	—	—	—	—	
7300 ordnance & access.	1	—	1	—	—	—	—	—	—	
7400 manufac. wood prod.	0	0	0	—	—	—	—	—	—	
7500 textile products	28	11	17	—	—	—	—	—	—	
7600 rubber & plastic pr.	7	4	3	—	—	—	—	—	—	
7900 manufac. prod. nec	3	1	2	—	—	—	—	—	—	
Total unknown or not elsewhere classified	1	1	0	—	—	—	—	—	—	
9900 unknown or nec	1	1	0	—	—	—	—	—	—	

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

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	8,881	1992	7,373	1995	5,988	1998	6,572
1990	7,740	1993	6,851	1996	7,540		
1991	7,770	1994	5,387	1997	7,146		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,204	14	463	312	330	69	16
Total coal	83	—	—	—	83	—	—
1100 coal lignite	83	—	—	—	83	—	—
Total petroleum and petroleum products	2	—	—	1	1	—	—
Subtotal petroleum products	2	—	—	1	1	—	—
2340 residual fuel oil	0	—	—	—	0	—	—
2410 petro. jelly & waxes	0	—	—	0	0	—	—
2430 asphalt, tar & pitch	0	—	—	0	0	—	—
2540 petroleum coke	1	—	—	—	1	—	—
Total chemicals and related products	620	14	459	97	49	—	2
Subtotal fertilizers	484	13	458	11	0	—	2
3110 nitrogenous fert.	473	13	458	—	—	—	2
3190 fert. & mixes nec	11	—	—	11	0	—	—
Subtotal other chemicals and related products	136	1	0	86	48	—	—
3211 acyclic hydrocarbons	1	—	—	1	0	—	—
3219 other hydrocarbons	0	—	—	0	—	—	—
3220 alcohols	2	—	—	0	2	—	—
3230 carboxylic acids	7	—	0	6	1	—	—
3240 nitrogen func. comp.	1	—	—	0	1	—	—
3250 organo - inorg. comp.	6	—	—	2	4	—	—
3260 organic comp. nec	2	—	—	0	2	—	—
3272 sulphuric acid	0	—	—	—	0	—	—
3273 ammonia	0	—	—	—	0	—	—
3274 sodium hydroxide	1	1	—	0	—	—	—
3275 inorg. elem., oxides, & halogen salts	3	—	—	0	3	—	—
3276 metallic salts	50	—	—	50	0	—	—
3279 inorganic chem. nec	1	—	—	1	0	—	—
3282 pigments & paints	1	—	0	0	0	—	—
3283 coloring mat. nec	1	—	—	1	0	—	—
3284 medicines	5	—	—	1	4	—	—
3285 perfumes & cleansers	10	—	0	2	8	—	—
3286 plastics	35	—	0	18	18	—	—
3291 pesticides	0	—	—	0	—	—	—
3292 starches, gluten, glue	1	—	—	0	0	—	—
3297 chemical additives	1	—	—	0	1	—	—
3299 chem. products nec	7	—	0	2	5	—	—

JAMES RIVER BELOW RICHMOND, VA (INCLUDED IN JAMES RIVER CONSOLIDATED REPORT)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
Total crude materials, inedible except fuels	57	---	0	0	45	---	12
Subtotal forest products, wood and chips	0	---	---	---	0	---	---
4150 fuel wood	0	---	---	---	0	---	---
Subtotal pulp and waste paper	16	---	---	---	4	---	12
4225 pulp & waste paper	16	---	---	---	4	---	12
Subtotal soil, sand, gravel, rock and stone	3	---	---	---	3	---	---
4310 building stone	0	---	---	---	0	---	---
4323 gypsum	1	---	---	---	1	---	---
4331 sand & gravel	2	---	---	---	2	---	---
Subtotal iron ore and scrap	30	---	---	---	30	---	---
4420 iron & steel scrap	30	---	---	---	30	---	---
Subtotal non-ferrous ores and scrap	0	---	---	0	0	---	---
4680 non-ferrous scrap	0	---	---	0	0	---	---
Subtotal sulphur, clay and salt	7	---	0	---	7	---	---
4782 clay & refrac. mat.	7	---	0	---	7	---	---
Subtotal other non-metal. min.	0	---	---	0	0	---	---
4900 non-metal. min. nec	0	---	---	0	0	---	---
Total primary manufactured goods	225	---	0	134	20	69	2
Subtotal paper products	106	---	0	24	11	69	2
5110 newsprint	69	---	---	---	---	69	---
5120 paper & paperboard	35	---	0	24	9	---	2
5190 paper products nec	2	---	---	0	2	---	---
Subtotal lime, cement and glass	12	---	0	7	4	---	---
5240 glass & glass prod.	7	---	0	6	1	---	---
5290 misc. mineral prod.	5	---	---	---	2	---	---
Subtotal primary iron and steel products	88	---	---	87	1	---	---
5312 pig iron	0	---	---	0	---	---	---
5320 i&s primary forms	1	---	---	---	1	---	---
5330 i&s plates & sheets	10	---	---	10	---	---	---
5360 i&s bars & shapes	77	---	---	77	---	---	---
5390 primary i&s nec	0	---	---	0	---	---	---
Subtotal primary non-ferrous metal products	19	---	0	16	3	---	---
5421 copper	0	---	0	0	0	---	---
5422 aluminum	4	---	---	4	0	---	---
5429 smelted prod. nec	10	---	---	8	3	---	---
5480 fab. metal products	4	---	---	4	0	---	---
Subtotal primary wood products	0	---	---	---	0	---	---
5540 primary wood prod.	0	---	---	---	0	---	---
Total food and farm products	155	---	3	49	103	---	---
Subtotal grain	0	---	---	---	0	---	---
6442 rice	0	---	---	---	0	---	---
6443 barley & rye	0	---	---	---	0	---	---
Subtotal vegetable products	2	---	---	1	1	---	---
6653 vegetable oils	0	---	---	0	0	---	---
6654 vegetables & prod.	2	---	---	1	1	---	---
Subtotal processed grain and animal feed	0	---	---	---	0	---	---
6747 grain mill products	0	---	---	---	0	---	---
6781 hay & fodder	0	---	---	---	0	---	---
Subtotal other agricultural products	153	---	3	48	101	---	---
6811 meat, fresh, frozen	0	---	0	---	0	---	---
6822 dairy products	0	---	0	0	---	---	---
6838 tallow, animal oils	0	---	---	---	0	---	---
6839 animals & prod. nec	1	---	---	---	1	---	---
6857 fruit & nuts nec	0	---	---	0	0	---	---
6858 fruit juices	0	---	---	0	---	---	---
6872 cocoa beans	0	---	---	0	---	---	---
6885 alcoholic beverages	28	---	---	28	0	---	---
6888 water & ice	8	---	---	8	---	---	---
6889 food products nec	3	---	0	0	3	---	---
6891 tobacco & products	112	---	3	12	98	---	---
6894 natural fibers nec	0	---	---	0	---	---	---
Total all manufactured equipment, machinery and products	60	---	0	31	29	---	---
7110 machinery (not elec)	8	---	0	5	3	---	---
7120 electrical machinery	2	---	0	0	1	---	---
7210 vehicles & parts	11	---	0	8	3	---	---
7230 ships & boats	0	---	---	---	0	---	---
7300 ordnance & access.	1	---	---	---	1	---	---
7400 manufac. wood prod.	0	---	---	0	0	---	---
7500 textile products	28	---	0	11	17	---	---
7600 rubber & plastic pr.	7	---	0	4	3	---	---
7900 manufac. prod. nec	3	---	0	1	2	---	---

JAMES RIVER BELOW RICHMOND, VA (INCLUDED IN JAMES RIVER CONSOLIDATED REPORT)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
Total unknown or not elsewhere classified	1	—	0	1	0	—	—
9900 unknown or nec	1	—	0	1	0	—	—
Ton-miles (x1000) Foreign & Canadian	94,920	962	31,459	26,796	28,354	5,961	1,387

Commodity	Total	Coastwise		
		Receipts	Shipments	Through
				Upbound
Total, all commodities	136	5	35	96
Total petroleum and petroleum products	96	—	—	96
Subtotal petroleum products	96	—	—	96
2211 gasoline	7	—	—	7
2340 residual fuel oil	2	—	—	2
2350 lube oil & greases	4	—	—	4
2430 asphalt, tar & pitch	83	—	—	83
Total chemicals and related products	40	5	35	—
Subtotal fertilizers	20	—	20	—
3110 nitrogenous fert.	20	—	20	—
Subtotal other chemicals and related products	20	5	15	—
3273 ammonia	15	—	15	—
3274 sodium hydroxide	5	5	—	—
Ton-miles (x1000) Coastwise	10,911	332	2,338	8,242

Commodity	Total	Internal				
		Inbound		Outbound	Through	
		Upbound	Downbnd	Downbnd	Upbound	Downbnd
Total, all commodities	5,232	727	508	283	508	3,206
Total petroleum and petroleum products	364	98	5	—	131	130
Subtotal petroleum products	364	98	5	—	131	130
2211 gasoline	37	—	—	—	20	17
2330 distillate fuel oil	171	19	5	—	39	108
2340 residual fuel oil	108	48	—	—	55	4
2350 lube oil & greases	0	—	—	—	0	—
2430 asphalt, tar & pitch	49	31	—	—	18	—
Total chemicals and related products	542	270	—	272	—	—
Subtotal fertilizers	272	—	—	272	—	—
3110 nitrogenous fert.	272	—	—	272	—	—
Subtotal other chemicals and related products	270	270	—	—	—	—
3220 alcohols	267	267	—	—	—	—
3272 sulphuric acid	3	3	—	—	—	—
Total crude materials, inedible except fuels	4,326	359	503	11	377	3,076
Subtotal soil, sand, gravel, rock and stone	4,325	359	503	11	376	3,076
4331 sand & gravel	4,325	359	503	11	376	3,076
Subtotal iron ore and scrap	0	—	—	—	0	—
4420 iron & steel scrap	0	—	—	—	0	—
Total food and farm products	0	—	—	—	—	0
Subtotal fish	0	—	—	—	—	0
6136 shellfish	0	—	—	—	—	0
Total all manufactured equipment, machinery and products	0	0	—	0	—	—
7230 ships & boats	0	0	—	0	—	—
Total waste and scrap nec	0	—	—	0	—	—
8900 waste and scrap nec	0	—	—	0	—	—
Ton-miles (x1000) Internal	312,715	27,687	21,235	19,214	16,976	227,603
Tons All Traffic (x1000)	6,572					
Ton-miles All Traffic (x1000)	418,548					

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
1989	1,369	1992	1,278	1995	935	1998	1,183
1990	1,292	1993	1,256	1996	1,395		
1991	1,101	1994	916	1997	1,362		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise		Internal	
					Receipts	Shipments	Receipts	Shipments
Total, all commodities	1,183	14	463	706	5	35	394	272
Total petroleum and petroleum products	90	---	---	90	---	---	90	---
Subtotal petroleum products	90	---	---	90	---	---	90	---
2330 distillate fuel oil	10	---	---	10	---	---	10	---
2340 residual fuel oil	48	---	---	48	---	---	48	---
2430 asphalt, tar & pitch	31	---	---	31	---	---	31	---
Total chemicals and related products	1,055	14	459	582	5	35	270	272
Subtotal fertilizers	764	13	458	292	---	20	---	272
3110 nitrogenous fert.	764	13	458	292	---	20	---	272
Subtotal other chemicals and related products	291	1	0	290	5	15	270	---
3220 alcohols	267	---	---	267	---	---	267	---
3230 carboxylic acids	0	---	0	---	---	---	---	---
3272 sulphuric acid	3	---	---	3	---	---	3	---
3273 ammonia	15	---	---	15	---	15	---	---
3274 sodium hydroxide	6	1	---	5	5	---	---	---
3282 pigments & paints	0	---	0	---	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---	---
3286 plastics	0	---	0	---	---	---	---	---
3299 chem. products nec	0	---	0	---	---	---	---	---
Total crude materials, inedible except fuels	34	---	0	34	---	---	34	---
Subtotal soil, sand, gravel, rock and stone	34	---	---	34	---	---	34	---
4331 sand & gravel	34	---	---	34	---	---	34	---
Subtotal sulphur, clay and salt	0	---	0	---	---	---	---	---
4782 clay & refrac. mat.	0	---	0	---	---	---	---	---
Total primary manufactured goods	0	---	0	---	---	---	---	---
Subtotal paper products	0	---	0	---	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---	---
Subtotal lime, cement and glass	0	---	0	---	---	---	---	---
5240 glass & glass prod.	0	---	0	---	---	---	---	---
Subtotal primary non-ferrous metal products	0	---	0	---	---	---	---	---
5421 copper	0	---	0	---	---	---	---	---
Total food and farm products	3	---	3	---	---	---	---	---
Subtotal other agricultural products	3	---	3	---	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---	---
6891 tobacco & products	3	---	3	---	---	---	---	---
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	---	---	---	---	---

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
1989	8,894	1992	7,373	1995	5,988	1998	6,572
1990	7,740	1993	6,851	1996	7,540		
1991	7,770	1994	5,387	1997	7,146		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,204	14	463	312	330	69	16
Total coal	83	—	—	—	83	—	—
1100 coal lignite	83	—	—	—	83	—	—
Total petroleum and petroleum products	2	—	—	1	1	—	—
Subtotal petroleum products	2	—	—	1	1	—	—
2340 residual fuel oil	0	—	—	—	0	—	—
2410 petro. jelly & waxes	0	—	—	0	0	—	—
2430 asphalt, tar & pitch	0	—	—	0	0	—	—
2540 petroleum coke	1	—	—	—	1	—	—
Total chemicals and related products	620	14	459	97	49	—	2
Subtotal fertilizers	484	13	458	11	0	—	2
3110 nitrogenous fert.	473	13	458	—	—	—	2
3190 fert. & mixes nec	11	—	—	11	0	—	—
Subtotal other chemicals and related products	136	1	0	86	48	—	—
3211 acyclic hydrocarbons	1	—	—	1	0	—	—
3219 other hydrocarbons	0	—	—	0	—	—	—
3220 alcohols	2	—	—	0	2	—	—
3230 carboxylic acids	7	—	0	6	1	—	—
3240 nitrogen func. comp.	1	—	—	0	1	—	—
3250 organo - inorg. comp.	6	—	—	2	4	—	—
3260 organic comp. nec	2	—	—	0	2	—	—
3272 sulphuric acid	0	—	—	—	0	—	—
3273 ammonia	0	—	—	—	0	—	—
3274 sodium hydroxide	1	1	—	0	—	—	—
3275 inorg. elem., oxides, & halogen salts	3	—	—	0	3	—	—
3276 metallic salts	50	—	—	50	0	—	—
3279 inorganic chem. nec	1	—	—	1	0	—	—
3282 pigments & paints	1	—	0	0	0	—	—
3283 coloring mat. nec	1	—	—	1	0	—	—
3284 medicines	5	—	—	1	4	—	—
3285 perfumes & cleansers	10	—	0	2	8	—	—
3286 plastics	35	—	0	18	18	—	—
3291 pesticides	0	—	—	0	—	—	—
3292 starches, gluten, glue	1	—	—	0	0	—	—
3297 chemical additives	1	—	—	0	1	—	—
3299 chem. products nec	7	—	0	2	5	—	—
Total crude materials, inedible except fuels	57	—	0	0	45	—	12
Subtotal forest products, wood and chips	0	—	—	—	0	—	—
4150 fuel wood	0	—	—	—	0	—	—
Subtotal pulp and waste paper	16	—	—	—	4	—	12
4225 pulp & waste paper	16	—	—	—	4	—	12
Subtotal soil, sand, gravel, rock and stone	3	—	—	—	3	—	—
4310 building stone	0	—	—	—	0	—	—
4323 gypsum	1	—	—	—	1	—	—
4331 sand & gravel	2	—	—	—	2	—	—
Subtotal iron ore and scrap	30	—	—	—	30	—	—
4420 iron & steel scrap	30	—	—	—	30	—	—
Subtotal non-ferrous ores and scrap	0	—	—	0	0	—	—
4680 non-ferrous scrap	0	—	—	0	0	—	—
Subtotal sulphur, clay and salt	7	—	0	—	7	—	—
4782 clay & refrac. mat.	7	—	0	—	7	—	—
Subtotal other non-metal. min.	0	—	—	0	0	—	—
4900 non-metal. min. nec	0	—	—	0	0	—	—
Total primary manufactured goods	225	—	0	134	20	69	2
Subtotal paper products	106	—	0	24	11	69	2
5110 newsprint	69	—	—	—	—	69	—
5120 paper & paperboard	35	—	0	24	9	—	2

JAMES RIVER, VA (CONSOLIDATED REPORT)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian	
		Imports	Exports	Through		Through	
				Upbound	Downbnd	Upbound	Downbnd
5190 paper products nec	2	—	—	0	2	—	—
Subtotal lime, cement and glass	12	—	0	7	4	—	—
5240 glass & glass prod.	7	—	0	6	1	—	—
5290 misc. mineral prod.	5	—	—	2	3	—	—
Subtotal primary iron and steel products	88	—	—	87	1	—	—
5312 pig iron	0	—	—	0	—	—	—
5320 i&s primary forms	1	—	—	—	1	—	—
5330 i&s plates & sheets	10	—	—	10	—	—	—
5360 i&s bars & shapes	77	—	—	77	—	—	—
5390 primary i&s nec	0	—	—	0	—	—	—
Subtotal primary non-ferrous metal products	19	—	0	16	3	—	—
5421 copper	0	—	0	0	0	—	—
5422 aluminum	4	—	—	4	0	—	—
5429 smelted prod. nec	10	—	—	8	3	—	—
5480 fab. metal products	4	—	—	4	0	—	—
Subtotal primary wood products	0	—	—	—	0	—	—
5540 primary wood prod.	0	—	—	—	0	—	—
Total food and farm products	155	—	3	49	103	—	—
Subtotal grain	0	—	—	—	0	—	—
6442 rice	0	—	—	—	0	—	—
6443 barley & rye	0	—	—	—	0	—	—
Subtotal vegetable products	2	—	—	1	1	—	—
6653 vegetable oils	0	—	—	0	0	—	—
6654 vegetables & prod.	2	—	—	1	1	—	—
Subtotal processed grain and animal feed	0	—	—	—	0	—	—
6747 grain mill products	0	—	—	—	0	—	—
6781 hay & fodder	0	—	—	—	0	—	—
Subtotal other agricultural products	153	—	3	48	101	—	—
6811 meat, fresh, frozen	0	—	0	—	0	—	—
6822 dairy products	0	—	0	0	—	—	—
6838 tallow, animal oils	0	—	—	—	0	—	—
6839 animals & prod. nec	1	—	—	—	1	—	—
6857 fruit & nuts nec	0	—	—	0	0	—	—
6858 fruit juices	0	—	—	0	—	—	—
6872 cocoa beans	0	—	—	0	—	—	—
6885 alcoholic beverages	28	—	—	28	0	—	—
6888 water & ice	8	—	—	8	—	—	—
6889 food products nec	3	—	0	0	3	—	—
6891 tobacco & products	112	—	3	12	98	—	—
6894 natural fibers nec	0	—	—	0	—	—	—
Total all manufactured equipment, machinery and products	60	—	0	31	29	—	—
7110 machinery (not elec)	8	—	0	5	3	—	—
7120 electrical machinery	2	—	0	0	1	—	—
7210 vehicles & parts	11	—	0	8	3	—	—
7230 ships & boats	0	—	—	—	0	—	—
7300 ordnance & access.	1	—	—	—	1	—	—
7400 manufac. wood prod.	0	—	—	0	0	—	—
7500 textile products	28	—	0	11	17	—	—
7600 rubber & plastic pr.	7	—	0	4	3	—	—
7900 manufac. prod. nec	3	—	0	1	2	—	—
Total unknown or not elsewhere classified	1	—	0	1	0	—	—
9900 unknown or nec	1	—	0	1	0	—	—
Ton-miles (x1000)	94,920	962	31,459	26,796	28,354	5,961	1,387
Foreign & Canadian							

Commodity	Total	Coastwise		
		Receipts	Shipments	Through Upbound
Total, all commodities	136	5	35	96
Total petroleum and petroleum products	96	—	—	96
Subtotal petroleum products	96	—	—	96
2211 gasoline	7	—	—	7
2340 residual fuel oil	2	—	—	2
2350 lube oil & greases	4	—	—	4
2430 asphalt, tar & pitch	83	—	—	83
Total chemicals and related products	40	5	35	—
Subtotal fertilizers	20	—	20	—
3110 nitrogenous fert.	20	—	20	—

JAMES RIVER, VA (CONSOLIDATED REPORT)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Coastwise		
		Receipts	Shipments	Through Upbound
Subtotal other chemicals and related products	20	5	15	—
3273 ammonia	15	—	15	—
3274 sodium hydroxide	5	5	—	—
Ton-miles (x1000) Coastwise	10,911	332	2,338	8,242

Commodity	Total	Internal				
		Inbound		Outbound	Through	
		Upbound	Downbnd	Downbnd	Upbound	Downbnd
Total, all commodities	5,232	727	508	283	508	3,206
Total petroleum and petroleum products	364	98	5	—	131	130
Subtotal petroleum products	364	98	5	—	131	130
2211 gasoline	37	—	—	—	20	17
2330 distillate fuel oil	171	19	5	—	39	108
2340 residual fuel oil	108	48	—	—	55	4
2350 lube oil & greases	0	—	—	—	0	—
2430 asphalt, tar & pitch	49	31	—	—	18	—
Total chemicals and related products	542	270	—	272	—	—
Subtotal fertilizers	272	—	—	272	—	—
3110 nitrogenous fert.	272	—	—	272	—	—
Subtotal other chemicals and related products	270	270	—	—	—	—
3220 alcohols	267	267	—	—	—	—
3272 sulphuric acid	3	3	—	—	—	—
Total crude materials, inedible except fuels	4,326	359	503	11	377	3,076
Subtotal soil, sand, gravel, rock and stone	4,325	359	503	11	376	3,076
4331 sand & gravel	4,325	359	503	11	376	3,076
Subtotal iron ore and scrap	0	—	—	—	0	—
4420 iron & steel scrap	0	—	—	—	0	—
Total food and farm products	0	—	—	—	—	0
Subtotal fish	0	—	—	—	—	0
6136 shellfish	0	—	—	—	—	0
Total all manufactured equipment, machinery and products	0	0	—	0	—	—
7230 ships & boats	0	0	—	0	—	—
Total waste and scrap nec	0	—	—	0	—	—
8900 waste and scrap nec	0	—	—	0	—	—
Ton-miles (x1000) Internal	312,715	27,687	21,235	19,214	16,976	227,603
Tons All Traffic (x1000)	6,572					
Ton-miles All Traffic (x1000)	418,548					

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
1989	422	1992	206	1995	463	1998	395
1990	325	1993	378	1996	428		
1991	288	1994	400	1997	404		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal
		Inbound Upbound
Total, all commodities	395	395
Total petroleum and petroleum products	23	23
Subtotal petroleum products	23	23
2330 distillate fuel oil	23	23

HAMPTON CREEK, VA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Internal
		Inbound Upbound
Total crude materials, inedible except fuels	372	372
Subtotal soil, sand, gravel, rock and stone	372	372
4331 sand & gravel	372	372
Total food and farm products	0	0
Subtotal fish	0	0
6136 shellfish	0	0
Ton-miles (x1000)	1,185	1,185
Tons All Traffic (x1000)	395	
Ton-miles All Traffic (x1000)	1,186	

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
1989	1,157	1992	1,366	1995	3,610	1998	4,245
1990	671	1993	4,181	1996	4,630		
1991	974	1994	3,020	1997	4,150		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal
		Outbound Downbnd
Total, all commodities	4,245	4,245
Total crude materials, inedible except fuels	4,245	4,245
Subtotal soil, sand, gravel, rock and stone	4,245	4,245
4331 sand & gravel	4,245	4,245
Ton-miles (x1000)	33,961	33,961
Tons All Traffic (x1000)	4,245	
Ton-miles All Traffic (x1000)	33,961	

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
1989	1,151	1992	1,354	1995	1,381	1998	983
1990	1,243	1993	1,519	1996	1,513		
1991	1,652	1994	1,252	1997	1,214		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise Through	Internal		Through
			Inbound	Downbnd	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	983	2	751	144	86
Total petroleum and petroleum products	129	---	109	---	20
Subtotal petroleum products	129	---	109	---	20
2211 gasoline	20	---	18	---	3
2330 distillate fuel oil	91	---	91	---	---
2340 residual fuel oil	18	---	---	---	18

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER FL (NORFOLK DISTRICT) VIA GREAT RIDGE LOCK ROUTE
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Domestic				
		Coastwise	Internal		Through	
			Through	Inbound		Downbnd
Total chemicals and related products	81	---	---	36	45	
Subtotal fertilizers	81	---	---	36	45	
3110 nitrogenous fert.	67	---	---	22	45	
3190 fert. & mixes nec	15	---	---	15	---	
Total crude materials, inedible except fuels	730	---	642	71	17	
Subtotal forest products, wood and chips	70	---	---	69	0	
4161 wood chips	69	---	---	69	---	
4189 lumber	0	---	---	---	0	
Subtotal soil, sand, gravel, rock and stone	642	---	642	---	0	
4331 sand & gravel	642	---	642	---	0	
Subtotal iron ore and scrap	17	---	---	---	17	
4420 iron & steel scrap	17	---	---	---	17	
Subtotal non-ferrous ores and scrap	1	---	---	1	---	
4690 non-ferrous ores nec	1	---	---	1	---	
Total primary manufactured goods	34	2	---	28	3	
Subtotal lime, cement and glass	1	---	---	---	1	
5290 misc. mineral prod.	1	---	---	---	1	
Subtotal primary iron and steel products	16	---	---	15	1	
5330 i&s plates & sheets	15	---	---	15	---	
5360 i&s bars & shapes	1	---	---	---	1	
Subtotal primary non-ferrous metal products	3	2	---	1	0	
5480 fab. metal products	3	2	---	1	0	
Subtotal primary wood products	13	---	---	13	---	
5540 primary wood prod.	13	---	---	13	---	
Total food and farm products	8	---	---	8	---	
Subtotal grain	3	---	---	3	---	
6241 wheat	3	---	---	3	---	
Subtotal oilseeds	5	---	---	5	---	
6522 soybeans	5	---	---	5	---	
Total all manufactured equipment, machinery and products	1	---	---	0	1	
7110 machinery (not elec)	0	---	---	---	0	
7230 ships & boats	0	---	---	0	0	
7300 ordnance & access.	0	---	---	---	0	
7400 manufac. wood prod.	0	---	---	---	0	
Ton-miles (x1000)	10,761	64	4,736	3,735	2,226	

Tons All Traffic (x1000) 983
 Ton-miles All Traffic (x1000) 10,761

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
1989	61	1992	71	1995	528	1998	507
1990	73	1993	503	1996	545		
1991	40	1994	548	1997	725		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign Exports	Domestic		
			Total	Internal	
				Inbound	Upbound
Total, all commodities	507	9	497	449	49
Total petroleum and petroleum products	61	---	61	61	---
Subtotal petroleum products	61	---	61	61	---
2340 residual fuel oil	61	---	61	61	---
Total chemicals and related products	8	---	8	8	---
Subtotal fertilizers	8	---	8	8	---
3110 nitrogenous fert.	8	---	8	8	---

PAMUNKEY RIVER, VA
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign Exports	Domestic		
			Total	Internal	
				Inbound Upbound	Outbound Downbnd
Total crude materials, inedible except fuels	389	9	380	380	---
Subtotal forest products, wood and chips	380	---	380	380	---
4161 wood chips	380	---	380	380	---
Subtotal pulp and waste paper	9	9	---	---	---
4225 pulp & waste paper	9	9	---	---	---
Total food and farm products	49	---	49	---	49
Subtotal grain	30	---	30	---	30
6241 wheat	20	---	20	---	20
6344 corn	10	---	10	---	10
Subtotal oilseeds	18	---	18	---	18
6522 soybeans	18	---	18	---	18
Ton-miles (x1000)	935	438	497	449	49

Tons All Traffic (x1000) **507**
 Ton-miles All Traffic (x1000) **935**

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
1989	7,031	1992	6,092	1995	6,057	1998	5,540
1990	6,328	1993	5,478	1996	6,974		
1991	5,429	1994	6,944	1997	5,495		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Through Downbnd	Imports
Total, all commodities	2,017	1,901	9	107
Total petroleum and petroleum products	2,008	1,901	---	107
Subtotal crude petroleum	1,846	1,752	---	95
2100 crude petroleum	1,846	1,752	---	95
Subtotal petroleum products	162	150	---	12
2330 distillate fuel oil	20	20	---	---
2340 residual fuel oil	133	122	---	12
2540 petroleum coke	8	8	---	---
Total crude materials, inedible except fuels	9	---	9	---
Subtotal pulp and waste paper	9	---	9	---
4225 pulp & waste paper	9	---	9	---
Ton-miles (x1000) Foreign & Canadian	16,419	15,212	354	853

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound		Through	
				Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	3,522	106	1,387	356	1,177	449	49
Total petroleum and petroleum products	3,051	71	1,387	356	1,177	61	---
Subtotal crude petroleum	80	---	---	80	---	---	---
2100 crude petroleum	80	---	---	80	---	---	---
Subtotal petroleum products	2,971	71	1,387	276	1,177	61	---
2211 gasoline	1,306	6	704	16	580	---	---
2221 kerosene	8	---	8	---	---	---	---
2330 distillate fuel oil	1,161	9	675	24	453	---	---
2340 residual fuel oil	467	56	---	207	143	61	---
2350 lube oil & greases	0	---	---	0	---	---	---
2429 naphtha & solvents	29	---	---	29	---	---	---

YORK RIVER, VA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic					
		Coastwise		Internal			
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Through Upbound Downbnd	
Total chemicals and related products	43	35	---	---	---	8	---
Subtotal fertilizers	8	---	---	---	---	8	---
3110 nitrogenous fert.	8	---	---	---	---	8	---
Subtotal other chemicals and related products	35	35	---	---	---	---	---
3297 chemical additives	35	35	---	---	---	---	---
Total crude materials, inedible except fuels	380	---	---	---	---	380	---
Subtotal forest products, wood and chips	380	---	---	---	---	380	---
4161 wood chips	380	---	---	---	---	380	---
Total primary manufactured goods	0	---	---	0	0	---	---
Subtotal primary non-ferrous metal products	0	---	---	0	0	---	---
5480 fab. metal products	0	---	---	0	0	---	---
Total food and farm products	49	---	---	0	---	---	49
Subtotal fish	0	---	---	0	---	---	---
6136 shellfish	0	---	---	0	---	---	---
Subtotal grain	30	---	---	---	---	---	30
6241 wheat	20	---	---	---	---	---	20
6344 corn	10	---	---	---	---	---	10
Subtotal oilseeds	18	---	---	---	---	---	18
6522 soybeans	18	---	---	---	---	---	18
Ton-miles (x1000) Domestic	31,055	422	5,546	1,424	4,760	17,055	1,848
Tons All Traffic (x1000)	5,540						
Ton-miles All Traffic (x1000)	47,475						

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
1989	11	1992	209	1995	316	1998	321
1990	53	1993	279	1996	305		
1991	34	1994	332	1997	396		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal	
		Outbound Downbnd	Through Downbnd
Total, all commodities	321	171	150
Total crude materials, inedible except fuels	170	170	---
Subtotal soil, sand, gravel, rock and stone	170	170	---
4331 sand & gravel	170	170	---
Total food and farm products	151	1	150
Subtotal fish	1	1	0
6134 fish (not shellfish)	1	1	---
6136 shellfish	0	---	0
Subtotal grain	124	---	124
6241 wheat	29	---	29
6344 corn	91	---	91
6443 barley & rye	3	---	3
6447 sorghum grains	2	---	2
Subtotal oilseeds	26	---	26
6522 soybeans	26	---	26
Ton-miles (x1000)	19,049	12,945	6,104
Tons All Traffic (x1000)	321		
Ton-miles All Traffic (x1000)	19,051		

Other Harbors and Waterways 1998

Harbor or Waterway Project	Commodity	Thousand Short Tons
ABERDEEN CREEK, VA	6136 shellfish	0
	Total Tons(x1000)	0
ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER FL (NORFOLK DISTRICT) DISMAL SWAMP AND PASQUOTANK RIVER	4161 wood chips	69
	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	69
	Total Ton-miles(x1000)	2,428
BEACH CREEK, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
BROAD CREEK, VA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
CAPE CHARLES CITY HARBOR, VA	4331 sand & gravel	111
	5290 misc. mineral prod.	7
	6136 shellfish	0
	Total Tons(x1000)	118
CARTERS CREEK, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
CHANNEL CONNECTING YORK RIVER, VA, WITH BACK CREEK TO SLAIGHTS WHARF, VA	6136 shellfish	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	0
CHANNEL FROM PHOEBUS, VA (TO DEEP WATER IN HAMPTON ROADS, VA)	No Commerce Reported	
CHESCONESSEX CREEK, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
CHINCOTEAGUE BAY, MD AND VA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
CHINCOTEAGUE HARBOR OF REFUGE, VA	No Commerce Reported	
CRANES CREEK, VA	No Commerce Reported	
DAVIS CREEK, VA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
DEEP CREEK, ACCOMACK COUNTY, VA	6136 shellfish	0
	Total Tons(x1000)	0

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
DEEP CREEK, NEWPORT NEWS, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
DELAWARE BAY - CHESAPEAKE BAY WATERWAY - VIRGINIA PORTION	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	2
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	25
	6344 corn	86
	6443 barley & rye	3
	6447 sorghum grains	2
	6522 soybeans	26
	Total Tons(x1000)	142
	Total Ton-miles(x1000)	142
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	2211 gasoline	0
	2330 distillate fuel oil	17
	2340 residual fuel oil	7
	4331 sand & gravel	6
	Total Tons(x1000)	30
	Total Ton-miles(x1000)	30
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

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
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	
NEWPORT NEWS CREEK, VA (INCLUDED IN PORT OF NEWPORT NEWS, VA)	4189 lumber	0
	5290 misc. mineral prod.	0
	6136 shellfish	0
	7400 manufac. wood prod.	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	0
OCCOHANNOCK CREEK, VA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
ONANCOCK RIVER, VA	2330 distillate fuel oil	11
	4331 sand & gravel	53
	6136 shellfish	0
	Total Tons(x1000)	64
	Total Ton-miles(x1000)	384
OYSTER CHANNEL, VA	No Commerce Reported	
PAGAN RIVER, VA	No Commerce Reported	
PARKER CREEK, VA	No Commerce Reported	
PARROTTS CREEK, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
QUEENS CREEK, VA	No Commerce Reported	
QUINBY CREEK, VA	No Commerce Reported	
STARLINGS CREEK, VA	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
TANGIER CHANNEL, VA	2211 gasoline	0
	2221 kerosene	0
	2330 distillate fuel oil	0
	2340 residual fuel oil	1
	6134 fish (not shellfish)	0
	6136 shellfish	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	6241 wheat	3
	6344 corn	5
	Total Tons(x1000)	8
	Total Ton-miles(x1000)	8

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
WILLOUGHBY CHANNEL, VA	No Commerce Reported	
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
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
1989	2,853	1992	1,699	1995	1,405	1998	2,044
1990	2,081	1993	1,405	1996	1,998		
1991	2,223	1994	1,533	1997	1,730		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal		
		Inbound	Outbound	Intra
		Upbound	Downbnd	Upbound
Total, all commodities	2,044	825	1,215	4
Total petroleum and petroleum products	7	7	—	—
Subtotal petroleum products	7	7	—	—
2340 residual fuel oil	7	7	—	—
Total chemicals and related products	2,033	817	1,215	—
Subtotal fertilizers	1,205	381	824	—
3110 nitrogenous fert.	26	—	26	—
3120 phosphatic fert.	1,165	381	784	—
3190 fert. & mixes nec	15	—	15	—
Subtotal other chemicals and related products	827	436	391	—
3271 sulphur (liquid)	436	436	—	—
3275 inorg. elem., oxides, & halogen salts	391	—	391	—
Total food and farm products	4	—	—	4
Subtotal fish	4	—	—	4
6134 fish (not shellfish)	0	—	—	0
6136 shellfish	3	—	—	3
Ton-miles (x1000)	51,097	20,620	30,382	95

Tons All Traffic (x1000) **2,044**
Ton-miles All Traffic (x1000) **51,101**

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
1989	3,464	1992	2,190	1995	2,055	1998	2,378
1990	2,617	1993	2,094	1996	2,539		
1991	2,821	1994	2,227	1997	2,276		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Coastwise
		Through
		Upbound
Total, all commodities	2	2
Total primary manufactured goods	2	2
Subtotal primary non-ferrous metal products	2	2
5480 fab. metal products	2	2
Ton-miles (x1000)	758	758
Coastwise		

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (WILMINGTON DISTRICT)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	2,375	2	12	13	2	1,055	1,290	1	1
Total petroleum and petroleum products	114	1	---	---	---	93	20	---	---
Subtotal petroleum products	114	1	---	---	---	93	20	---	---
2211 gasoline	3	---	---	---	---	---	3	---	---
2340 residual fuel oil	112	1	---	---	---	93	18	---	---
Total chemicals and related products	2,087	---	---	8	---	851	1,228	---	---
Subtotal fertilizers	1,260	---	---	8	---	415	837	---	---
3110 nitrogenous fert.	80	---	---	8	---	19	53	---	---
3120 phosphatic fert.	1,165	---	---	---	---	381	784	---	---
3190 fert. & mixes nec	15	---	---	---	---	15	---	---	---
Subtotal other chemicals and related products	827	---	---	---	---	436	391	---	---
3271 sulphur (liquid)	436	---	---	---	---	436	---	---	---
3275 inorg. elem., oxides, & halogen salts	391	---	---	---	---	---	391	---	---
Total crude materials, inedible except fuels	88	---	---	---	---	71	17	---	---
Subtotal forest products, wood and chips	70	---	---	---	---	69	0	---	---
4161 wood chips	69	---	---	---	---	69	---	---	---
4189 lumber	0	---	---	---	---	---	0	---	---
Subtotal soil, sand, gravel, rock and stone	0	---	---	---	---	---	0	---	---
4331 sand & gravel	0	---	---	---	---	---	0	---	---
Subtotal iron ore and scrap	17	---	---	---	---	---	17	---	---
4420 iron & steel scrap	17	---	---	---	---	---	17	---	---
Subtotal non-ferrous ores and scrap	1	---	---	---	---	1	---	---	---
4690 non-ferrous ores nec	1	---	---	---	---	1	---	---	---
Total primary manufactured goods	37	---	---	---	---	35	3	---	---
Subtotal lime, cement and glass	7	---	---	---	---	6	1	---	---
5290 misc. mineral prod.	7	---	---	---	---	6	1	---	---
Subtotal primary iron and steel products	16	---	---	---	---	15	1	---	---
5330 i&s plates & sheets	15	---	---	---	---	15	---	---	---
5360 i&s bars & shapes	1	---	---	---	---	---	1	---	---
Subtotal primary non-ferrous metal products	1	---	---	---	---	1	0	---	---
5480 fab. metal products	1	---	---	---	---	1	0	---	---
Subtotal primary wood products	13	---	---	---	---	13	---	---	---
5540 primary wood prod.	13	---	---	---	---	13	---	---	---

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (WILMINGTON DISTRICT)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total food and farm products	48	1	12	5	2	5	22	1	1
Subtotal fish	40	1	12	—	2	2	22	1	1
6134 fish (not shellfish)	23	0	8	—	0	1	13	0	0
6136 shellfish	17	1	4	—	2	1	8	1	0
Subtotal grain	3	—	—	—	—	3	—	—	—
6241 wheat	3	—	—	—	—	3	—	—	—
Subtotal oilseeds	5	—	—	5	—	—	—	—	—
6522 soybeans	5	—	—	5	—	—	—	—	—
Total all manufactured equipment, machinery and products	1	—	—	—	—	0	1	—	—
7110 machinery (not elec)	0	—	—	—	—	—	0	—	—
7230 ships & boats	0	—	—	—	—	0	0	—	—
7300 ordnance & access.	0	—	—	—	—	—	0	—	—
7400 manufac. wood prod.	0	—	—	—	—	—	0	—	—
Ton-miles Internal (x1000)	149,699	33	463	679	304	71,720	76,448	19	33
Tons All Traffic (x1000)				2,378					
Ton-miles All Traffic (x1000)				150,457					

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
1989	6,159	1992	4,440	1995	4,620	1998	5,260
1990	5,049	1993	3,999	1996	5,588		
1991	5,237	1994	4,195	1997	5,201		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports*	Imports	Exports
Total, all commodities	3,093	798	2,085	122	88
Total petroleum and petroleum products	124	94	23	7	—
Subtotal petroleum products	124	94	23	7	—
2340 residual fuel oil	23	—	23	—	—
2350 lube oil & greases	0	—	0	—	—
2410 petro. jelly & waxes	0	—	0	—	—
2540 petroleum coke	101	94	0	7	—
Total chemicals and related products	1,581	58	1,409	115	—
Subtotal fertilizers	1,111	27	1,071	13	—
3130 potassic fert.	52	27	12	13	—
3190 fert. & mixes nec	1,059	—	1,059	—	—
Subtotal other chemicals and related products	470	30	338	102	—
3219 other hydrocarbons	0	—	0	—	—
3230 carboxylic acids	0	—	0	—	—
3240 nitrogen func. comp.	0	—	0	—	—
3260 organic comp. nec	0	—	0	—	—
3272 sulphuric acid	102	—	—	102	—
3274 sodium hydroxide	8	8	—	—	—
3275 inorg. elem., oxides, & halogen salts	337	0	337	—	—
3276 metallic salts	22	22	0	—	—
3282 pigments & paints	0	—	0	—	—
3285 perfumes & cleansers	0	—	0	—	—
3286 plastics	0	—	0	—	—
3293 explosives	0	—	0	—	—
3297 chemical additives	0	—	0	—	—
3299 chem. products nec	0	—	0	—	—

MOREHEAD CITY HARBOR, NC
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports*	Imports	Exports
Total crude materials, inedible except fuels	1,290	601	601	---	88
Subtotal forest products, wood and chips	806	121	597	---	88
4110 rubber & gums	116	116	0	---	---
4161 wood chips	684	---	596	---	88
4189 lumber	4	3	1	---	---
4190 forest products nec	2	2	---	---	---
Subtotal pulp and waste paper	4	---	4	---	---
4225 pulp & waste paper	4	---	4	---	---
Subtotal sulphur, clay and salt	182	182	0	---	---
4741 sulphur, (dry)	182	182	---	---	---
4782 clay & refrac. mat.	0	---	0	---	---
Subtotal other non-metal. min.	298	298	---	---	---
4900 non-metal. min. nec	298	298	---	---	---
Total primary manufactured goods	30	24	5	---	---
Subtotal paper products	3	---	3	---	---
5120 paper & paperboard	3	---	3	---	---
5190 paper products nec	0	---	0	---	---
Subtotal lime, cement and glass	0	---	0	---	---
5290 misc. mineral prod.	0	---	0	---	---
Subtotal primary iron and steel products	15	13	2	---	---
5315 ferro alloys	6	6	---	---	---
5320 i&s primary forms	0	---	0	---	---
5330 i&s plates & sheets	3	1	2	---	---
5360 i&s bars & shapes	0	---	0	---	---
5370 i&s pipe & tube	7	7	0	---	---
5390 primary i&s nec	0	---	0	---	---
Subtotal primary non-ferrous metal products	6	6	0	---	---
5421 copper	0	---	0	---	---
5422 aluminum	3	3	0	---	---
5480 fab. metal products	3	3	0	---	---
Subtotal primary wood products	5	5	---	---	---
5540 primary wood prod.	5	5	---	---	---
Total food and farm products	49	14	35	---	---
Subtotal processed grain and animal feed	14	14	---	---	---
6782 animal feed, prep.	14	14	---	---	---
Subtotal other agricultural products	35	1	35	---	---
6811 meat, fresh, frozen	28	---	28	---	---
6817 meat, prepared	3	---	3	---	---
6835 fish, prepared	0	---	0	---	---
6839 animals & prod. nec	4	---	4	---	---
6888 water & ice	0	0	---	---	---
6891 tobacco & products	0	---	0	---	---
6893 cotton	0	---	0	---	---
6894 natural fibers nec	1	1	---	---	---
Total all manufactured equipment, machinery and products	19	6	13	---	---
7110 machinery (not elec)	10	0	9	---	---
7120 electrical machinery	1	---	1	---	---
7210 vehicles & parts	1	---	1	---	---
7220 aircraft & parts	0	---	0	---	---
7230 ships & boats	0	---	0	---	---
7300 ordnance & access.	2	---	2	---	---
7500 textile products	6	6	---	---	---
7600 rubber & plastic pr.	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	---	---

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	2,166	163	4	1,180	819
Total petroleum and petroleum products	44	40	---	3	---
Subtotal petroleum products	44	40	---	3	---
2340 residual fuel oil	3	---	---	3	---
2430 asphalt, tar & pitch	40	40	---	---	---
Total chemicals and related products	2,121	123	4	1,175	819
Subtotal fertilizers	1,176	5	4	784	382
3110 nitrogenous fert.	7	5	---	---	1
3120 phosphatic fert.	1,165	---	---	784	381
3190 fert. & mixes nec	4	---	4	---	---

MOREHEAD CITY HARBOR, NC
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Subtotal other chemicals and related products	945	118	—	391	436
3220 alcohols	28	28	—	—	—
3271 sulphur (liquid)	526	90	—	—	436
3275 inorg. elem., oxides, & halogen salts	391	—	—	391	—
Total crude materials, inedible except fuels	0	—	—	0	—
Subtotal soil, sand, gravel, rock and stone	0	—	—	0	—
4331 sand & gravel	0	—	—	0	—
Total primary manufactured goods	1	—	—	1	—
Subtotal lime, cement and glass	1	—	—	1	—
5290 misc. mineral prod.	1	—	—	1	—
Subtotal primary non-ferrous metal products	0	—	—	0	—
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	0	—	—	0	—
7110 machinery (not elec)	0	—	—	0	—

*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
1989	6,499	1992	7,047	1995	7,861	1998	7,410
1990	6,807	1993	7,509	1996	7,582		
1991	6,914	1994	7,697	1997	7,441		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	3,947	2,289	1,166	465	27
Total coal	0	—	0	—	—
1100 coal lignite	0	—	0	—	—
Total petroleum and petroleum products	583	538	4	32	9
Subtotal petroleum products	583	538	4	32	9
2211 gasoline	284	252	—	32	—
2221 kerosene	0	—	0	—	—
2330 distillate fuel oil	23	23	—	—	—
2340 residual fuel oil	150	149	0	—	—
2350 lube oil & greases	4	0	4	—	—
2410 petro. jelly & waxes	0	—	0	—	—
2430 asphalt, tar & pitch	9	—	0	—	9
2540 petroleum coke	114	114	0	—	—
Total chemicals and related products	928	678	82	153	16
Subtotal fertilizers	170	170	—	—	—
3110 nitrogenous fert.	70	70	—	—	—
3130 potassic fert.	56	56	—	—	—
3190 fert. & mixes nec	45	45	—	—	—
Subtotal other chemicals and related products	758	507	82	153	16
3212 benzene & toluene	10	—	—	—	10
3219 other hydrocarbons	89	3	0	85	—
3220 alcohols	426	390	0	35	—
3230 carboxylic acids	11	1	10	—	—
3240 nitrogen func. comp.	2	1	1	—	—
3250 organo - inorg. comp.	2	2	0	—	—
3260 organic comp. nec	30	29	1	—	—
3272 sulphuric acid	30	—	1	28	—
3274 sodium hydroxide	59	48	0	5	6
3275 inorg. elem., oxides, & halogen salts	5	0	5	—	—
3276 metallic salts	38	15	23	—	—

PORT OF WILMINGTON, NC (SEE ALSO WILMINGTON HARBOR NC FOR WATERWAY DATA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
3279 inorganic chem. nec	6	0	5	—	—
3281 radioactive material	0	0	0	—	—
3282 pigments & paints	1	0	0	—	—
3283 coloring mat. nec	1	0	0	—	—
3284 medicines	0	—	0	—	—
3285 perfumes & cleansers	8	4	4	—	—
3286 plastics	32	9	23	—	—
3291 pesticides	0	0	0	—	—
3292 starches, gluten, glue	2	1	0	—	—
3293 explosives	1	—	1	—	—
3297 chemical additives	3	0	3	—	—
3298 wood & resin chem.	0	—	0	—	—
3299 chem. products nec	4	1	3	—	—
Total crude materials, inedible except fuels	1,473	412	781	280	0
Subtotal forest products, wood and chips	286	2	284	—	0
4110 rubber & gums	0	0	—	—	—
4161 wood chips	230	—	230	—	—
4170 wood in the rough	6	0	5	—	—
4189 lumber	50	1	49	—	0
4190 forest products nec	0	0	—	—	—
Subtotal pulp and waste paper	471	0	471	—	—
4225 pulp & waste paper	471	0	471	—	—
Subtotal soil, sand, gravel, rock and stone	370	88	2	280	—
4323 gypsum	247	—	1	246	—
4331 sand & gravel	123	88	1	34	—
Subtotal iron ore and scrap	6	—	6	—	—
4420 iron & steel scrap	6	—	6	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—
Subtotal non-ferrous ores and scrap	164	159	6	—	—
4650 aluminum ore	0	0	—	—	—
4680 non-ferrous scrap	5	—	5	—	—
4690 non-ferrous ores nec	159	159	0	—	—
Subtotal sulphur, clay and salt	54	42	12	—	—
4741 sulphur, (dry)	50	41	9	—	—
4782 clay & refrac. mat.	4	1	3	—	—
Subtotal slag	1	1	—	—	—
4860 slag	1	1	—	—	—
Subtotal other non-metal. min.	121	120	1	—	—
4900 non-metal. min. nec	121	120	1	—	—
Total primary manufactured goods	405	332	73	—	—
Subtotal paper products	42	9	33	—	—
5120 paper & paperboard	40	8	32	—	—
5190 paper products nec	2	0	2	—	—
Subtotal lime, cement and glass	89	83	6	—	—
5220 cement & concrete	72	72	—	—	—
5240 glass & glass prod.	8	3	5	—	—
5290 misc. mineral prod.	9	8	1	—	—
Subtotal primary iron and steel products	207	184	24	—	—
5312 pig iron	0	—	0	—	—
5315 ferro alloys	2	1	1	—	—
5320 i&s primary forms	13	12	0	—	—
5330 i&s plates & sheets	84	84	0	—	—
5360 i&s bars & shapes	81	81	0	—	—
5370 i&s pipe & tube	26	3	23	—	—
5390 primary i&s nec	2	2	0	—	—
Subtotal primary non-ferrous metal products	49	43	6	—	—
5421 copper	4	2	2	—	—
5422 aluminum	2	1	1	—	—
5429 smelted prod. nec	1	0	1	—	—
5480 fab. metal products	43	40	3	—	—
Subtotal primary wood products	18	15	3	—	—
5540 primary wood prod.	18	15	3	—	—
Total food and farm products	265	143	120	—	3
Subtotal fish	0	—	0	—	—
6134 fish (not shellfish)	0	—	0	—	—
Subtotal grain	9	0	6	—	3
6241 wheat	3	—	—	—	3
6344 corn	0	—	0	—	—
6442 rice	6	0	5	—	—
Subtotal oilseeds	0	—	0	—	—
6521 peanuts	0	—	0	—	—
6590 oilseeds nec	0	—	0	—	—
Subtotal vegetable products	3	3	0	—	—
6653 vegetable oils	0	0	—	—	—
6654 vegetables & prod.	2	2	0	—	—
Subtotal processed grain and animal feed	4	0	3	—	—
6746 wheat flour	0	—	0	—	—
6747 grain mill products	0	0	0	—	—
6782 animal feed, prep.	3	0	3	—	—

PORT OF WILMINGTON, NC (SEE ALSO WILMINGTON HARBOR NC FOR WATERWAY DATA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Subtotal other agricultural products	250	139	111	—	—
6811 meat, fresh, frozen	38	—	38	—	—
6817 meat, prepared	1	—	1	—	—
6822 dairy products	0	—	0	—	—
6835 fish, prepared	0	—	0	—	—
6838 tallow, animal oils	0	0	—	—	—
6839 animals & prod. nec	7	—	7	—	—
6856 bananas & plantains	3	3	—	—	—
6857 fruit & nuts nec	3	2	1	—	—
6858 fruit juices	0	0	0	—	—
6865 molasses	94	94	—	—	—
6885 alcoholic beverages	15	15	0	—	—
6888 water & ice	0	—	0	—	—
6889 food products nec	2	0	1	—	—
6891 tobacco & products	81	18	63	—	—
6893 cotton	6	5	1	—	—
6894 natural fibers nec	0	0	—	—	—
6899 farm products nec	0	0	—	—	—
Total all manufactured equipment, machinery and products	283	184	98	—	0
7110 machinery (not elec)	62	44	18	—	0
7120 electrical machinery	29	13	16	—	—
7210 vehicles & parts	9	3	6	—	—
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	0	0	0	—	—
7300 ordnance & access.	27	0	27	—	—
7400 manufac. wood prod.	3	3	0	—	—
7500 textile products	47	25	22	—	—
7600 rubber & plastic pr.	22	20	2	—	—
7900 manufac. prod. nec	83	77	6	—	—
Total unknown or not elsewhere classified	9	2	7	—	—
9900 unknown or nec	9	2	7	—	—

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	3,463	2,432	8	30	922	71
Total petroleum and petroleum products	2,302	1,764	2	16	454	67
Subtotal petroleum products	2,302	1,764	2	16	454	67
2211 gasoline	580	578	2	0	—	—
2330 distillate fuel oil	282	281	—	0	—	0
2340 residual fuel oil	1,165	632	—	14	454	66
2350 lube oil & greases	14	14	—	—	—	—
2429 naphtha & solvents	23	23	—	—	—	—
2430 asphalt, tar & pitch	238	237	—	1	—	—
2640 liquid natural gas	0	—	—	0	—	—
2990 petro. products nec	0	0	—	—	—	—
Total chemicals and related products	1,146	668	6	—	468	5
Subtotal other chemicals and related products	1,146	668	6	—	468	5
3212 benzene & toluene	13	13	—	—	—	—
3219 other hydrocarbons	916	472	6	—	439	—
3220 alcohols	134	104	—	—	25	5
3274 sodium hydroxide	79	79	—	—	—	—
3298 wood & resin chem.	4	—	—	—	4	—
Total crude materials, inedible except fuels	9	—	—	9	0	—
Subtotal forest products, wood and chips	1	—	—	1	—	—
4189 lumber	1	—	—	1	—	—
4190 forest products nec	0	—	—	0	—	—
Subtotal soil, sand, gravel, rock and stone	7	—	—	7	—	—
4331 sand & gravel	6	—	—	6	—	—
4338 soil & fill dirt	1	—	—	1	—	—
Subtotal iron ore and scrap	0	—	—	—	0	—
4420 iron & steel scrap	0	—	—	—	0	—
Subtotal sulphur, clay and salt	1	—	—	1	—	—
4782 clay & refrac. mat.	1	—	—	1	—	—
Total primary manufactured goods	3	—	—	3	0	—
Subtotal lime, cement and glass	3	—	—	3	—	—
5220 cement & concrete	0	—	—	0	—	—
5290 misc. mineral prod.	3	—	—	3	—	—
Subtotal primary iron and steel products	0	—	—	0	—	—
5370 i&s pipe & tube	0	—	—	0	—	—
Subtotal primary non-ferrous metal products	0	—	—	0	0	—
5480 fab. metal products	0	—	—	0	0	—

PORT OF WILMINGTON, NC (SEE ALSO WILMINGTON HARBOR NC FOR WATERWAY DATA)
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total food and farm products	0	---	---	0	---	---
Subtotal other agricultural products	0	---	---	0	---	---
6887 groceries	0	---	---	0	---	---
6899 farm products nec	0	---	---	0	---	---
Total all manufactured equipment, machinery and products	2	---	---	2	0	---
7110 machinery (not elec)	1	---	---	0	0	---
7400 manufac. wood prod.	1	---	---	1	---	---
7900 manufac. prod. nec	0	---	---	0	---	---
Total waste and scrap nec	0	---	---	---	0	---
8900 waste and scrap nec	0	---	---	---	0	---

*Includes 2 (x1000) tons of foreign inbound in-transits; Includes 3 (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
1989	6,782	1992	7,226	1995	8,111	1998	8,030
1990	7,099	1993	7,813	1996	8,121		
1991	7,175	1994	7,913	1997	8,131		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports	Through Upbound
				Upbound	Downbnd			
Total, all commodities	4,192	2,292	1,166	217	2	480	27	9
Total coal	0	---	0	---	---	---	---	---
1100 coal lignite	0	---	0	---	---	---	---	---
Total petroleum and petroleum products	596	538	4	12	---	32	9	---
Subtotal petroleum products	596	538	4	12	---	32	9	---
2211 gasoline	284	252	---	---	---	32	---	---
2221 kerosene	0	---	0	---	---	---	---	---
2330 distillate fuel oil	23	23	---	---	---	---	---	---
2340 residual fuel oil	150	149	0	---	---	---	---	---
2350 lube oil & greases	4	0	4	---	---	---	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---	---	---
2430 asphalt, tar & pitch	9	---	0	---	---	---	9	---
2540 petroleum coke	127	114	0	12	---	---	---	---
Total chemicals and related products	1,003	681	82	46	2	168	16	9
Subtotal fertilizers	196	170	---	26	---	---	---	---
3110 nitrogenous fert.	96	70	---	26	---	---	---	---
3130 potassic fert.	56	56	---	---	---	---	---	---
3190 fert. & mixes nec	45	45	---	---	---	---	---	---
Subtotal other chemicals and related products	807	510	82	20	2	168	16	9
3212 benzene & toluene	10	---	---	---	---	---	10	---
3219 other hydrocarbons	89	3	0	---	---	85	---	---
3220 alcohols	445	390	0	19	---	35	---	---
3230 carboxylic acids	11	1	10	---	---	---	---	---
3240 nitrogen func. comp.	2	1	1	---	---	---	---	---
3250 organo - inorg. comp.	2	2	0	---	---	---	---	---
3260 organic comp. nec	31	29	1	1	---	---	---	---
3272 sulphuric acid	53	---	1	---	---	43	---	9
3274 sodium hydroxide	62	51	0	---	---	5	6	---
3275 inorg. elem., oxides, & halogen salts	5	0	5	---	---	---	---	---
3276 metallic salts	38	15	23	---	---	---	---	---
3279 inorganic chem. nec	7	0	5	---	2	---	---	---
3281 radioactive material	0	0	0	---	---	---	---	---
3282 pigments & paints	1	0	0	---	---	---	---	---

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports	Through Upbound
				Upbound	Downbnd			
3283 coloring mat. nec	1	0	0	—	—	—	—	—
3284 medicines	0	—	0	—	—	—	—	—
3285 perfumes & cleansers	8	4	4	—	—	—	—	—
3286 plastics	32	9	23	—	1	—	—	—
3291 pesticides	0	0	0	—	—	—	—	—
3292 starches, gluten, glue	2	1	0	—	—	—	—	—
3293 explosives	1	—	1	—	—	—	—	—
3297 chemical additives	3	0	3	—	—	—	—	—
3298 wood & resin chem.	0	—	0	—	—	—	—	—
3299 chem. products nec	4	1	3	—	—	—	—	—
Total crude materials, inedible except fuels	1,602	412	781	129	—	280	0	—
Subtotal forest products, wood and chips	286	2	284	—	—	—	0	—
4110 rubber & gums	0	0	—	—	—	—	—	—
4161 wood chips	230	—	230	—	—	—	—	—
4170 wood in the rough	6	0	5	—	—	—	—	—
4189 lumber	50	1	49	—	—	—	0	—
4190 forest products nec	0	0	—	—	—	—	—	—
Subtotal pulp and waste paper	471	0	471	—	—	—	—	—
4225 pulp & waste paper	471	0	471	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	399	88	2	29	—	280	—	—
4323 gypsum	247	—	1	—	—	246	—	—
4331 sand & gravel	152	88	1	29	—	34	—	—
Subtotal iron ore and scrap	6	—	6	—	—	—	—	—
4420 iron & steel scrap	6	—	6	—	—	—	—	—
Subtotal marine shells	0	0	—	—	—	—	—	—
4515 marine shells	0	0	—	—	—	—	—	—
Subtotal non-ferrous ores and scrap	205	159	6	41	—	—	—	—
4650 aluminum ore	0	0	—	—	—	—	—	—
4680 non-ferrous scrap	5	—	5	—	—	—	—	—
4690 non-ferrous ores nec	200	159	0	41	—	—	—	—
Subtotal sulphur, clay and salt	54	42	12	—	—	—	—	—
4741 sulphur, (dry)	50	41	9	—	—	—	—	—
4782 clay & refrac. mat.	4	1	3	—	—	—	—	—
Subtotal slag	1	1	—	—	—	—	—	—
4860 slag	1	1	—	—	—	—	—	—
Subtotal other non-metal. min.	180	120	1	59	—	—	—	—
4900 non-metal. min. nec	180	120	1	59	—	—	—	—
Total primary manufactured goods	434	332	73	29	—	—	—	—
Subtotal paper products	42	9	33	—	—	—	—	—
5120 paper & paperboard	40	8	32	—	—	—	—	—
5190 paper products nec	2	0	2	—	—	—	—	—
Subtotal lime, cement and glass	118	83	6	29	—	—	—	—
5220 cement & concrete	101	72	—	29	—	—	—	—
5240 glass & glass prod.	8	3	5	—	—	—	—	—
5290 misc. mineral prod.	9	8	1	—	—	—	—	—
Subtotal primary iron and steel products	207	184	24	—	—	—	—	—
5312 pig iron	0	—	0	—	—	—	—	—
5315 ferro alloys	2	1	1	—	—	—	—	—
5320 i&s primary forms	13	12	0	—	—	—	—	—
5330 i&s plates & sheets	84	84	0	—	—	—	—	—
5360 i&s bars & shapes	81	81	0	—	—	—	—	—
5370 i&s pipe & tube	26	3	23	—	—	—	—	—
5390 primary i&s nec	2	2	0	—	—	—	—	—
Subtotal primary non-ferrous metal products	49	43	6	—	—	—	—	—
5421 copper	4	2	2	—	—	—	—	—
5422 aluminum	2	1	1	—	—	—	—	—
5429 smelted prod. nec	1	0	1	—	—	—	—	—
5480 fab. metal products	43	40	3	—	—	—	—	—
Subtotal primary wood products	18	15	3	—	—	—	—	—
5540 primary wood prod.	18	15	3	—	—	—	—	—
Total food and farm products	265	143	120	—	—	—	3	—
Subtotal fish	0	—	0	—	—	—	—	—
6134 fish (not shellfish)	0	—	0	—	—	—	—	—
Subtotal grain	9	0	6	—	—	—	3	—
6241 wheat	3	—	—	—	—	—	3	—
6344 corn	0	—	0	—	—	—	—	—
6442 rice	6	0	5	—	—	—	—	—

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports*	Exports*	Through		Imports	Exports	Through Upbound
				Upbound	Downbnd			
Subtotal oilseeds	0	---	0	---	---	---	---	---
6521 peanuts	0	---	0	---	---	---	---	---
6590 oilseeds nec	0	---	0	---	---	---	---	---
Subtotal vegetable products	3	3	0	---	---	---	---	---
6653 vegetable oils	0	0	---	---	---	---	---	---
6654 vegetables & prod.	2	2	0	---	---	---	---	---
Subtotal processed grain and animal feed	4	0	3	---	---	---	---	---
6746 wheat flour	0	---	0	---	---	---	---	---
6747 grain mill products	0	0	0	---	---	---	---	---
6782 animal feed, prep.	3	0	3	---	---	---	---	---
Subtotal other agricultural products	250	139	111	---	---	---	---	---
6811 meat, fresh, frozen	38	---	38	---	---	---	---	---
6817 meat, prepared	1	---	1	---	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---	---
6835 fish, prepared	0	---	0	---	---	---	---	---
6838 tallow, animal oils	0	0	---	---	---	---	---	---
6839 animals & prod. nec	7	---	7	---	---	---	---	---
6856 bananas & plantains	3	3	---	---	---	---	---	---
6857 fruit & nuts nec	3	2	1	---	---	---	---	---
6858 fruit juices	0	0	0	---	---	---	---	---
6865 molasses	94	94	---	---	---	---	---	---
6885 alcoholic beverages	15	15	0	---	---	---	---	---
6888 water & ice	0	---	0	---	---	---	---	---
6889 food products nec	2	0	1	---	---	---	---	---
6891 tobacco & products	81	18	63	---	---	---	---	---
6893 cotton	6	5	1	---	---	---	---	---
6894 natural fibers nec	0	0	---	---	---	---	---	---
6899 farm products nec	0	0	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	283	184	98	---	---	---	0	---
7110 machinery (not elec)	62	44	18	---	---	---	0	---
7120 electrical machinery	29	13	16	---	---	---	---	---
7210 vehicles & parts	9	3	6	---	---	---	---	---
7220 aircraft & parts	0	0	0	---	---	---	---	---
7230 ships & boats	0	0	0	---	---	---	---	---
7300 ordnance & access.	27	0	27	---	---	---	---	---
7400 manufac. wood prod.	3	3	0	---	---	---	---	---
7500 textile products	47	25	22	---	---	---	---	---
7600 rubber & plastic pr.	22	20	2	---	---	---	---	---
7900 manufac. prod. nec	83	77	6	---	---	---	---	---
Total unknown or not elsewhere classified	9	2	7	---	---	---	---	---
9900 unknown or nec	9	2	7	---	---	---	---	---
Ton-miles (x1000) Foreign & Canadian	118,017	64,090	32,635	7,148	73	13,021	765	286

Commodity	Total	Coastwise		
		Receipts	Shipments	Through Upbound
Total, all commodities	2,752	2,432	8	312
Total petroleum and petroleum products	1,846	1,764	2	80
Subtotal petroleum products	1,846	1,764	2	80
2211 gasoline	580	578	2	---
2330 distillate fuel oil	281	281	---	---
2340 residual fuel oil	632	632	---	---
2350 lube oil & greases	14	14	---	---
2429 naphtha & solvents	23	23	---	---
2430 asphalt, tar & pitch	317	237	---	80
2990 petro. products nec	0	0	---	---
Total chemicals and related products	903	668	6	229
Subtotal fertilizers	6	---	---	6
3110 nitrogenous fert.	6	---	---	6
Subtotal other chemicals and related products	897	668	6	224
3212 benzene & toluene	13	13	---	---
3219 other hydrocarbons	477	472	6	---
3220 alcohols	128	104	---	24
3274 sodium hydroxide	279	79	---	200

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Coastwise		
		Receipts	Shipments	Through Upbound
Total primary manufactured goods	2	—	—	2
Subtotal primary non-ferrous metal products	2	—	—	2
5480 fab. metal products	2	—	—	2
Ton-miles (x1000) Coastwise	78,749	68,309	220	10,220

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	
Total, all commodities	1,087	15	824	98	37	25	34	53	
Total petroleum and petroleum products	539	14	356	98	1	3	29	39	
Subtotal petroleum products	539	14	356	98	1	3	29	39	
2211 gasoline	3	—	—	—	—	3	—	0	
2330 distillate fuel oil	1	—	—	—	—	—	0	1	
2340 residual fuel oil	534	14	356	98	1	—	29	37	
2430 asphalt, tar & pitch	1	—	—	—	—	—	—	1	
2640 liquid natural gas	0	—	—	—	—	—	—	0	
Total chemicals and related products	475	—	468	—	—	3	5	—	
Subtotal fertilizers	3	—	—	—	—	3	—	—	
3110 nitrogenous fert.	3	—	—	—	—	3	—	—	
Subtotal other chemicals and related products	473	—	468	—	—	—	5	—	
3219 other hydrocarbons	439	—	439	—	—	—	—	—	
3220 alcohols	30	—	25	—	—	—	5	—	
3298 wood & resin chem.	4	—	4	—	—	—	—	—	
Total crude materials, inedible except fuels	27	—	—	—	1	17	0	9	
Subtotal forest products, wood and chips	1	—	—	—	—	0	—	1	
4189 lumber	1	—	—	—	—	0	—	1	
4190 forest products nec	0	—	—	—	—	—	—	0	
Subtotal soil, sand, gravel, rock and stone	7	—	—	—	—	—	—	7	
4331 sand & gravel	6	—	—	—	—	—	—	6	
4338 soil & fill dirt	1	—	—	—	—	—	—	1	
Subtotal iron ore and scrap	17	—	—	—	—	17	0	—	
4420 iron & steel scrap	17	—	—	—	—	17	0	—	
Subtotal non-ferrous ores and scrap	1	—	—	—	1	—	—	—	
4690 non-ferrous ores nec	1	—	—	—	1	—	—	—	
Subtotal sulphur, clay and salt	1	—	—	—	—	—	—	1	
4782 clay & refrac. mat.	1	—	—	—	—	—	—	1	
Total primary manufactured goods	39	—	—	0	35	2	—	3	
Subtotal lime, cement and glass	9	—	—	—	6	0	—	3	
5220 cement & concrete	0	—	—	—	—	—	—	0	
5290 misc. mineral prod.	9	—	—	—	6	0	—	3	
Subtotal primary iron and steel products	16	—	—	—	15	1	—	0	
5330 i&s plates & sheets	15	—	—	—	15	—	—	—	
5360 i&s bars & shapes	1	—	—	—	—	1	—	—	
5370 i&s pipe & tube	0	—	—	—	—	—	—	0	
Subtotal primary non-ferrous metal products	1	—	—	0	1	0	—	0	
5480 fab. metal products	1	—	—	0	1	0	—	0	
Subtotal primary wood products	13	—	—	—	13	—	—	—	
5540 primary wood prod.	13	—	—	—	13	—	—	—	
Total food and farm products	3	1	—	—	0	1	—	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	
6887 groceries	0	—	—	—	—	—	—	0	
6899 farm products nec	0	—	—	—	—	—	—	0	

WILMINGTON HARBOR, NC (SEE ALSO PORT OF WILMINGTON, NC FOR PORT DATA)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through			
		Upbound	Upbound	Downbnd	Upbound	Downbnd	Intra Upbound Downbnd		
Total all manufactured equipment, machinery and products	3	0	---	---	0	1	0	2	
7110 machinery (not elec)	1	---	---	---	---	---	0	0	
7230 ships & boats	0	---	---	---	0	0	---	---	
7300 ordnance & access.	0	---	---	---	---	0	---	---	
7400 manufac. wood prod.	1	---	---	---	---	0	---	1	
7900 manufac. prod. nec	0	0	---	---	---	---	---	---	
Total waste and scrap nec	0	---	---	---	---	---	0	---	
8900 waste and scrap nec	0	---	---	---	---	---	0	---	
Ton-miles (x1000) Internal	5,854	333	3,489	1,329	301	201	47	156	
Tons All Traffic (x1000)		8,030							
Ton-miles All Traffic (x1000)		202,623							

*Includes 2 (x1000) tons of foreign inbound in-transits; Includes 3 (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
1989	180	1992	458	1995	348	1998	406
1990	308	1993	374	1996	311		
1991	397	1994	407	1997	309		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal		
		Inbound		Intra
		Upbound	Upbound	Downbnd
Total, all commodities	406	214	86	107
Total petroleum and petroleum products	210	210	---	---
Subtotal petroleum products	210	210	---	---
2340 residual fuel oil	210	210	---	---
Total chemicals and related products	197	4	86	107
Subtotal other chemicals and related products	197	4	86	107
3298 wood & resin chem.	197	4	86	107
Ton-miles (x1000)	10,044	5,610	1,982	2,452
Tons All Traffic (x1000)		406		
Ton-miles All Traffic (x1000)		10,044		

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
1989	405	1992	613	1995	637	1998	1,173
1990	468	1993	603	1996	976		
1991	537	1994	638	1997	1,137		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise	Internal	
					Receipts	Inbound Upbound	Intra Upbound	
Total, all commodities	1,173	217	2	9	945	309	610	26
Total petroleum and petroleum products	238	12	—	—	226	80	146	—
Subtotal petroleum products	238	12	—	—	226	80	146	—
2340 residual fuel oil	146	—	—	—	146	—	146	—
2430 asphalt, tar & pitch	80	—	—	—	80	80	—	—
2540 petroleum coke	12	12	—	—	—	—	—	—
Total chemicals and related products	776	46	2	9	720	229	464	26
Subtotal fertilizers	31	26	—	—	6	6	—	—
3110 nitrogenous fert.	31	26	—	—	6	6	—	—
Subtotal other chemicals and related products	745	20	2	9	714	224	464	26
3219 other hydrocarbons	444	—	—	—	444	—	439	5
3220 alcohols	89	19	—	—	70	24	25	21
3260 organic comp. nec	1	1	—	—	—	—	—	—
3272 sulphuric acid	9	—	—	9	—	—	—	—
3274 sodium hydroxide	200	—	—	—	200	200	—	—
3279 inorganic chem. nec	2	—	2	—	—	—	—	—
3286 plastics	1	—	1	—	—	—	—	—
Total crude materials, inedible except fuels	129	129	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	29	29	—	—	—	—	—	—
4331 sand & gravel	29	29	—	—	—	—	—	—
Subtotal non-ferrous ores and scrap	41	41	—	—	—	—	—	—
4690 non-ferrous ores nec	41	41	—	—	—	—	—	—
Subtotal other non-metal. min.	59	59	—	—	—	—	—	—
4900 non-metal. min. nec	59	59	—	—	—	—	—	—
Total primary manufactured goods	29	29	—	—	—	—	—	—
Subtotal lime, cement and glass	29	29	—	—	—	—	—	—
5220 cement & concrete	29	29	—	—	—	—	—	—
Ton-miles (x1000)	39,946	0	0	0	39,946	12,364	27,452	130
Tons All Traffic (x1000)		1,173						
Ton-miles All Traffic (x1000)		39,946						

Other Harbors and Waterways 1998

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)	7
	6136 shellfish	2
	Total Tons(x1000)	10
	Total Ton-miles(x1000)	112
BEAUFORT HARBOR, NC	2340 residual fuel oil	1
	6134 fish (not shellfish)	36
	6136 shellfish	3
	Total Tons(x1000)	40
BELHAVEN HARBOR, NC	6134 fish (not shellfish)	2
	6136 shellfish	8
	6241 wheat	3
	Total Tons(x1000)	12
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)	3
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	77
	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	77
	Total Ton-miles(x1000)	4,005
DRUM INLET, NC	No Commerce Reported	
EDENTON HARBOR, NC	4170 wood in the rough	38
	5290 misc. mineral prod.	1
	Total Tons(x1000)	39
FAR CREEK, NC	6134 fish (not shellfish)	1
	6136 shellfish	2
	Total Tons(x1000)	3
	Total Ton-miles(x1000)	8

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
KNOBBS CREEK, NC	4161 wood chips	69
	Total Tons(x1000)	69
	Total Ton-miles(x1000)	69
LOCKWOODS FOLLY RIVER, NC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	5
MACKAY CREEK, NC	No Commerce Reported	
MANN'S HARBOR, NC	No Commerce Reported	
MANTEO (SHALLOWBAG) BAY, NC	6134 fish (not shellfish)	26
	6136 shellfish	5
	Total Tons(x1000)	31
	Total Ton-miles(x1000)	105
NEUSE RIVER, NC	2340 residual fuel oil	81
	3110 nitrogenous fert.	27
	5290 misc. mineral prod.	5
	6134 fish (not shellfish)	3
	6136 shellfish	3
	Total Tons(x1000)	119
	Total Ton-miles(x1000)	3,162
NEW RIVER, NC	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	0
OCRACOCKE INLET, NC	6134 fish (not shellfish)	14
	6136 shellfish	1
	Total Tons(x1000)	15
	Total Ton-miles(x1000)	31
PERQUIMANS RIVER, NC	No Commerce Reported	
ROANOKE RIVER, NC	2340 residual fuel oil	18
	3110 nitrogenous fert.	29
	4170 wood in the rough	39
	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	85
	Total Ton-miles(x1000)	2,891
ROLLINSON CHANNEL, NC	6134 fish (not shellfish)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	1
SCUPPERNONG RIVER, NC	No Commerce Reported	
SHALLOTTE RIVER, NC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	2
SILVER LAKE HARBOR, NC	No Commerce Reported	

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SMITHS CREEK (PAMLICO COUNTY), NC	6134 fish (not shellfish)	3
	6136 shellfish	3
	Total Tons(x1000)	6
	Total Ton-miles(x1000)	6
SMITHS CREEK (WILMINGTON), NC	No Commerce Reported	
SOUTH RIVER, NC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	4
STUMPY POINT BAY, NC	6134 fish (not shellfish)	5
	6136 shellfish	1
	Total Tons(x1000)	6
	Total Ton-miles(x1000)	11
TRENT RIVER, NC	3110 nitrogenous fert.	27
	5290 misc. mineral prod.	5
	Total Tons(x1000)	32
	Total Ton-miles(x1000)	32
WANCHESE HARBOR, NC (INCLUDED IN MANTEO) (SHALLOWBAG BAY, NC)	6134 fish (not shellfish)	18
	6136 shellfish	0
	Total Tons(x1000)	19
WATERWAY - NORFOLK, VA TO SOUNDS OF NC	6134 fish (not shellfish)	1
	6136 shellfish	5
	Total Tons(x1000)	6
	Total Ton-miles(x1000)	106
WATERWAY CONNECTING PAMLICO SOUND AND BEAUFORT HARBOR, NC	6134 fish (not shellfish)	3
	6136 shellfish	3
	Total Tons(x1000)	6
	Total Ton-miles(x1000)	88
WATERWAY CONNECTING SWAN QUARTER BAY WITH DEEP BAY, NC	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	1
	Total Ton-miles(x1000)	2
WRIGHTS CREEK, NC	6134 fish (not shellfish)	0
	6136 shellfish	3
	Total Tons(x1000)	3
	Total Ton-miles(x1000)	3

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

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	514	1992	259	1995	300	1998	193
1990	583	1993	470	1996	350		
1991	428	1994	348	1997	294		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Domestic					
		Coastwise Through	Inbound		Outbound		Through
			Upbound	Downbnd	Downbnd	Upbound	
Total, all commodities	193	6	6	7	1	135	37
Total petroleum and petroleum products	112	---	---	---	---	98	14
Subtotal petroleum products	112	---	---	---	---	98	14
2211 gasoline	4	---	---	---	---	1	3
2330 distillate fuel oil	31	---	---	---	---	30	1
2340 residual fuel oil	77	---	---	---	---	67	10
Total chemicals and related products	3	---	---	---	---	---	3
Subtotal fertilizers	3	---	---	---	---	---	3
3110 nitrogenous fert.	3	---	---	---	---	---	3
Total crude materials, inedible except fuels	23	4	---	---	---	1	17
Subtotal forest products, wood and chips	0	---	---	---	---	---	0
4189 lumber	0	---	---	---	---	---	0
Subtotal iron ore and scrap	17	---	---	---	---	---	17
4420 iron & steel scrap	17	---	---	---	---	---	17
Subtotal non-ferrous ores and scrap	1	---	---	---	---	1	---
4690 non-ferrous ores nec	1	---	---	---	---	1	---
Subtotal other non-metal. min.	4	4	---	---	---	---	---
4900 non-metal. min. nec	4	4	---	---	---	---	---
Total primary manufactured goods	40	2	1	0	0	35	2
Subtotal lime, cement and glass	7	---	1	---	---	6	0
5290 misc. mineral prod.	7	---	1	---	---	6	0
Subtotal primary iron and steel products	16	---	---	---	---	15	1
5330 i&s plates & sheets	15	---	---	---	---	15	---
5360 i&s bars & shapes	1	---	---	---	---	---	1
Subtotal primary non-ferrous metal products	3	2	---	0	0	0	0
5480 fab. metal products	3	2	---	0	0	0	0
Subtotal primary wood products	13	---	---	---	---	13	---
5540 primary wood prod.	13	---	---	---	---	13	---
Total food and farm products	13	---	5	7	0	0	1
Subtotal fish	13	---	5	7	0	0	1
6134 fish (not shellfish)	0	---	0	0	---	---	---
6136 shellfish	13	---	5	7	0	0	1
Total all manufactured equipment, machinery and products	1	---	---	0	1	0	0
7120 electrical machinery	0	---	---	---	---	---	0
7230 ships & boats	0	---	---	0	---	0	0
7300 ordnance & access.	0	---	---	---	---	---	0
7400 manufac. wood prod.	0	---	---	---	---	---	0
7900 manufac. prod. nec	1	---	---	---	1	0	---
Ton-miles (x1000)	20,070	557	227	238	28	14,636	4,385

Tons All Traffic (x1000) 193
 Ton-miles All Traffic (x1000) 20,110

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
1989	877	1992	955	1995	1,234	1998	1,631
1990	890	1993	1,113	1996	1,379		
1991	962	1994	706	1997	1,535		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports*	Imports	Total	Coastwise Shipments	Internal Receipts
Total, all commodities	1,631	1,193	78	315	44	34	11
Total petroleum and petroleum products	9	—	0	—	9	—	9
Subtotal petroleum products	9	—	0	—	9	—	9
2330 distillate fuel oil	0	—	—	—	0	—	0
2340 residual fuel oil	9	—	—	—	9	—	9
2410 petro. jelly & waxes	0	—	0	—	—	—	—
Total chemicals and related products	11	1	10	—	—	—	—
Subtotal fertilizers	0	—	0	—	—	—	—
3110 nitrogenous fert.	0	—	0	—	—	—	—
Subtotal other chemicals and related products	11	1	10	—	—	—	—
3219 other hydrocarbons	0	—	0	—	—	—	—
3220 alcohols	0	—	0	—	—	—	—
3230 carboxylic acids	3	—	3	—	—	—	—
3240 nitrogen func. comp.	0	—	0	—	—	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—	—
3260 organic comp. nec	0	—	0	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	1	1	0	—	—	—	—
3276 metallic salts	0	—	0	—	—	—	—
3282 pigments & paints	1	—	1	—	—	—	—
3283 coloring mat. nec	0	—	0	—	—	—	—
3284 medicines	1	—	1	—	—	—	—
3285 perfumes & cleansers	0	0	0	—	—	—	—
3286 plastics	4	—	4	—	—	—	—
3291 pesticides	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	1,159	783	45	315	16	15	1
Subtotal forest products, wood and chips	0	—	0	—	—	—	—
4170 wood in the rough	0	—	0	—	—	—	—
4189 lumber	0	—	0	—	—	—	—
4190 forest products nec	0	—	0	—	—	—	—
Subtotal pulp and waste paper	43	—	43	—	—	—	—
4225 pulp & waste paper	43	—	43	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	142	141	0	—	—	—	—
4322 limestone	141	141	—	—	—	—	—
4331 sand & gravel	0	—	0	—	—	—	—
Subtotal iron ore and scrap	845	529	—	315	1	—	1
4410 iron ore	844	529	—	315	—	—	—
4420 iron & steel scrap	1	—	—	—	1	—	1
Subtotal non-ferrous ores and scrap	0	—	0	—	—	—	—
4650 aluminum ore	0	—	0	—	—	—	—
4690 non-ferrous ores nec	0	—	0	—	—	—	—
Subtotal sulphur, clay and salt	5	4	1	—	—	—	—
4782 clay & refrac. mat.	5	4	1	—	—	—	—
Subtotal slag	31	17	—	—	15	15	—
4860 slag	31	17	—	—	15	15	—
Subtotal other non-metal. min.	93	93	—	—	—	—	—
4900 non-metal. min. nec	93	93	—	—	—	—	—
Total primary manufactured goods	440	409	12	—	19	19	—
Subtotal paper products	4	—	4	—	—	—	—
5120 paper & paperboard	3	—	3	—	—	—	—
5190 paper products nec	0	—	0	—	—	—	—
Subtotal lime, cement and glass	160	159	1	—	—	—	—
5220 cement & concrete	159	159	—	—	—	—	—
5240 glass & glass prod.	1	—	1	—	—	—	—
5290 misc. mineral prod.	0	0	0	—	—	—	—

GEORGETOWN HARBOR, SC (WINYAH BAY)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports*	Imports	Total	Coastwise	Internal
					Shipments		Receipts
Subtotal primary iron and steel products	247	241	0	---	5	5	---
5312 pig iron	93	93	0	---	---	---	---
5315 ferro alloys	15	15	---	---	---	---	---
5320 i&s primary forms	5	---	---	---	5	5	---
5330 i&s plates & sheets	1	0	0	---	---	---	---
5360 i&s bars & shapes	133	133	---	---	---	---	---
5370 i&s pipe & tube	0	---	0	---	---	---	---
5390 primary i&s nec	0	---	0	---	---	---	---
Subtotal primary non-ferrous metal products	24	9	2	---	13	13	---
5421 copper	0	---	0	---	---	---	---
5422 aluminum	10	8	2	---	---	---	---
5429 smelted prod. nec	0	0	---	---	---	---	---
5480 fab. metal products	14	---	0	---	13	13	---
Subtotal primary wood products	5	---	5	---	---	---	---
5540 primary wood prod.	5	---	5	---	---	---	---
Total food and farm products	2	0	2	---	0	---	0
Subtotal fish	0	---	0	---	0	---	0
6134 fish (not shellfish)	0	---	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	---	---	---	---
6747 grain mill products	0	---	0	---	---	---	---
6782 animal feed, prep.	0	---	0	---	---	---	---
Subtotal other agricultural products	1	---	1	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---
6858 fruit juices	0	---	0	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---
6891 tobacco & products	0	---	0	---	---	---	---
6899 farm products nec	0	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	9	0	9	---	---	---	---
7110 machinery (not elec)	2	0	2	---	---	---	---
7120 electrical machinery	1	0	1	---	---	---	---
7210 vehicles & parts	5	---	5	---	---	---	---
7400 manufac. wood prod.	0	---	0	---	---	---	---
7500 textile products	1	0	1	---	---	---	---
7600 rubber & plastic pr.	1	0	1	---	---	---	---
7900 manufac. prod. nec	0	---	0	---	---	---	---
Total unknown or not elsewhere classified	0	0	---	---	---	---	---
9900 unknown or nec	0	0	---	---	---	---	---

*Includes 3 (x1000) tons of foreign outbound in-transits.

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
1989	9,923	1992	9,650	1995	11,172	1998	18,689
1990	9,697	1993	9,503	1996	11,083		
1991	9,464	1994	10,830	1997	17,874		

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

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	13,270	6,684	6,379	206	1
Total coal	28	28	0	---	---
1100 coal lignite	1	0	0	---	---
1200 coal coke	28	28	---	---	---
Total petroleum and petroleum products	384	365	16	3	---
Subtotal petroleum products	384	365	16	3	---
2211 gasoline	153	153	0	---	---
2221 kerosene	4	---	0	3	---
2330 distillate fuel oil	42	42	0	---	---
2340 residual fuel oil	35	35	0	---	---
2350 lube oil & greases	13	1	12	---	---
2410 petro. jelly & waxes	14	14	1	---	---
2429 naphtha & solvents	1	0	1	---	---
2430 asphalt, tar & pitch	1	0	1	---	---
2540 petroleum coke	120	119	1	---	---
2640 liquid natural gas	0	0	0	---	---
Total chemicals and related products	2,114	694	1,410	10	0
Subtotal fertilizers	32	21	9	2	---
3110 nitrogenous fert.	6	6	0	---	---
3120 phosphatic fert.	0	0	0	---	---
3130 potassic fert.	7	7	0	---	---
3190 fert. & mixes nec	19	8	9	2	---
Subtotal other chemicals and related products	2,082	673	1,400	8	0
3211 acyclic hydrocarbons	4	0	3	---	---
3212 benzene & toluene	0	0	0	---	---
3219 other hydrocarbons	35	8	19	8	---
3220 alcohols	155	82	72	---	---
3230 carboxylic acids	392	41	351	---	---
3240 nitrogen func. comp.	47	29	18	---	---
3250 organo - inorg. comp.	82	48	35	---	---
3260 organic comp. nec	36	16	20	---	0
3272 sulphuric acid	0	---	0	---	---
3274 sodium hydroxide	42	41	0	---	---
3275 inorg. elem., oxides, & halogen salts	104	68	36	---	---
3276 metallic salts	122	57	65	---	---
3279 inorganic chem. nec	10	1	8	---	---
3281 radioactive material	1	1	0	---	---
3282 pigments & paints	158	23	135	---	---
3283 coloring mat. nec	46	35	12	---	---
3284 medicines	11	4	7	0	0
3285 perfumes & cleansers	48	14	34	0	---
3286 plastics	566	126	440	0	0
3291 pesticides	22	5	17	---	---
3292 starches, gluten, glue	52	36	16	---	0
3293 explosives	1	0	0	---	---
3297 chemical additives	30	6	23	---	---
3298 wood & resin chem.	48	5	43	---	0
3299 chem. products nec	71	25	46	0	---
Total crude materials, inedible except fuels	2,752	837	1,730	186	---
Subtotal forest products, wood and chips	468	319	149	0	---
4110 rubber & gums	169	169	0	---	---
4150 fuel wood	2	0	1	---	---
4161 wood chips	4	---	4	---	---
4170 wood in the rough	17	7	10	---	---
4189 lumber	261	133	128	0	---
4190 forest products nec	14	10	4	---	---
Subtotal pulp and waste paper	854	22	833	---	---
4225 pulp & waste paper	854	22	833	---	---
Subtotal soil, sand, gravel, rock and stone	376	80	124	172	---
4310 building stone	3	3	0	---	---
4322 limestone	0	0	0	---	---

CHARLESTON HARBOR, SC (INCLUDING ASHLEY RIVER, COOPER RIVER, SHEM CREEK AND SHIPYARD RIVER, SC)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
4323 gypsum	104	76	6	22	—
4331 sand & gravel	269	1	118	150	—
Subtotal iron ore and scrap	75	47	15	14	—
4410 iron ore	1	—	1	—	—
4420 iron & steel scrap	74	47	14	14	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	221	179	42	0	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	169	166	3	—	—
4670 manganese ore	11	—	11	—	—
4680 non-ferrous scrap	24	11	13	0	—
4690 non-ferrous ores nec	16	2	14	—	—
Subtotal sulphur, clay and salt	565	10	554	—	—
4741 sulphur, (dry)	0	—	0	—	—
4782 clay & refrac. mat.	564	10	554	—	—
Subtotal slag	90	89	1	—	—
4860 slag	90	89	1	—	—
Subtotal other non-metal. min.	104	90	13	0	—
4900 non-metal. min. nec	104	90	13	0	—
Total primary manufactured goods	3,148	2,076	1,070	2	0
Subtotal paper products	1,068	251	815	2	0
5110 newsprint	37	15	22	0	—
5120 paper & paperboard	995	229	765	1	0
5190 paper products nec	36	8	28	0	—
Subtotal lime, cement and glass	624	526	97	0	0
5220 cement & concrete	290	283	7	—	—
5240 glass & glass prod.	89	51	38	0	0
5290 misc. mineral prod.	244	193	51	0	—
Subtotal primary iron and steel products	957	931	27	0	0
5312 pig iron	708	707	1	—	—
5315 ferro alloys	9	3	6	—	—
5320 i&s primary forms	10	7	3	—	—
5330 i&s plates & sheets	88	82	6	—	—
5360 i&s bars & shapes	84	83	1	—	—
5370 i&s pipe & tube	22	15	6	0	0
5390 primary i&s nec	37	33	4	—	—
Subtotal primary non-ferrous metal products	411	316	96	0	0
5421 copper	29	18	10	0	—
5422 aluminum	102	71	31	—	—
5429 smelted prod. nec	43	31	12	—	—
5480 fab. metal products	237	195	43	0	0
Subtotal primary wood products	87	52	35	0	—
5540 primary wood prod.	87	52	35	0	—
Total food and farm products	1,571	529	1,040	2	0
Subtotal fish	38	26	11	0	—
6134 fish (not shellfish)	22	16	5	0	—
6136 shellfish	16	9	6	0	—
Subtotal grain	65	4	61	—	—
6241 wheat	40	—	40	—	—
6344 corn	4	1	3	—	—
6442 rice	21	3	18	—	—
6447 sorghum grains	0	0	0	—	—
Subtotal oilseeds	62	9	53	—	—
6521 peanuts	22	8	14	—	—
6522 soybeans	36	0	36	—	—
6590 oilseeds nec	3	1	2	—	—
Subtotal vegetable products	114	52	61	1	—
6653 vegetable oils	23	5	18	0	—
6654 vegetables & prod.	91	46	44	1	—
Subtotal processed grain and animal feed	115	24	91	0	0
6746 wheat flour	20	0	20	—	—
6747 grain mill products	39	18	21	0	—
6781 hay & fodder	2	—	2	—	—
6782 animal feed, prep.	54	5	49	—	0
Subtotal other agricultural products	1,179	415	763	1	0
6811 meat, fresh, frozen	398	8	390	0	0
6817 meat, prepared	14	3	10	—	—
6822 dairy products	8	3	5	0	0
6835 fish, prepared	30	23	8	0	—
6838 tallow, animal oils	3	1	2	0	—
6839 animals & prod. nec	31	7	24	—	—
6856 bananas & plantains	0	0	0	—	—
6857 fruit & nuts nec	95	19	76	—	—
6858 fruit juices	84	40	44	0	—
6861 sugar	3	0	2	0	—
6865 molasses	1	0	1	—	—
6871 coffee	80	69	11	—	—
6872 cocoa beans	17	14	3	—	—
6885 alcoholic beverages	197	156	41	0	—
6888 water & ice	5	5	0	—	—

CHARLESTON HARBOR, SC (INCLUDING ASHLEY RIVER, COOPER RIVER, SHEM CREEK AND SHIPYARD RIVER, SC)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
6889 food products nec	65	31	34	0	—
6891 tobacco & products	73	25	48	0	—
6893 cotton	61	2	60	—	—
6894 natural fibers nec	4	3	1	—	—
6899 farm products nec	11	6	4	0	—
Total all manufactured equipment, machinery and products	3,209	2,121	1,085	2	0
7110 machinery (not elec)	699	486	212	0	0
7120 electrical machinery	309	181	128	0	0
7210 vehicles & parts	348	259	89	0	0
7220 aircraft & parts	2	1	1	—	—
7230 ships & boats	14	5	9	0	—
7300 ordnance & access.	4	1	3	—	—
7400 manufac. wood prod.	78	47	31	0	—
7500 textile products	943	530	412	1	0
7600 rubber & plastic pr.	276	160	115	1	0
7900 manufac. prod. nec	536	451	84	0	0
Total unknown or not elsewhere classified	63	35	28	0	0
9900 unknown or nec	63	35	28	0	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	5,419	4,911	276	100	45	87
Total petroleum and petroleum products	3,065	2,892	7	78	29	59
Subtotal petroleum products	3,065	2,892	7	78	29	59
2211 gasoline	1,678	1,671	3	4	—	—
2221 kerosene	13	13	—	—	—	—
2330 distillate fuel oil	519	486	—	30	1	2
2340 residual fuel oil	471	341	—	44	28	57
2350 lube oil & greases	329	329	—	—	—	—
2429 naphtha & solvents	1	1	—	—	—	—
2430 asphalt, tar & pitch	55	51	4	—	—	—
Total chemicals and related products	1,353	1,339	14	—	—	—
Subtotal fertilizers	0	0	0	—	—	—
3120 phosphatic fert.	0	0	0	—	—	—
Subtotal other chemicals and related products	1,353	1,339	14	—	—	—
3219 other hydrocarbons	1,177	1,177	—	—	—	—
3220 alcohols	9	9	—	—	—	—
3260 organic comp. nec	5	3	2	—	—	—
3274 sodium hydroxide	121	121	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	3	2	1	—	—	—
3283 coloring mat. nec	1	1	1	—	—	—
3284 medicines	2	1	1	—	—	—
3285 perfumes & cleansers	1	0	0	—	—	—
3286 plastics	1	0	0	—	—	—
3291 pesticides	7	6	1	—	—	—
3292 starches, gluten, glue	7	4	3	—	—	—
3293 explosives	0	0	—	—	—	—
3297 chemical additives	9	9	—	—	—	—
3299 chem. products nec	12	7	5	—	—	—
Total crude materials, inedible except fuels	440	391	9	16	0	25
Subtotal forest products, wood and chips	3	3	1	—	—	—
4110 rubber & gums	0	0	—	—	—	—
4189 lumber	3	2	1	—	—	—
4190 forest products nec	0	0	—	—	—	—
Subtotal pulp and waste paper	3	2	1	—	—	—
4225 pulp & waste paper	3	2	1	—	—	—
Subtotal iron ore and scrap	434	386	7	16	0	25
4420 iron & steel scrap	434	386	7	16	0	25
Total primary manufactured goods	146	48	80	0	15	3
Subtotal paper products	14	12	2	—	—	—
5110 newsprint	4	2	2	—	—	—
5120 paper & paperboard	9	8	1	—	—	—
5190 paper products nec	2	1	0	—	—	—
Subtotal lime, cement and glass	8	7	1	—	—	—
5240 glass & glass prod.	4	3	1	—	—	—
5290 misc. mineral prod.	4	4	0	—	—	—
Subtotal primary iron and steel products	73	9	46	—	15	3
5320 i&s primary forms	0	0	0	—	—	—
5330 i&s plates & sheets	15	—	—	—	15	—
5360 i&s bars & shapes	8	8	0	—	—	—
5370 i&s pipe & tube	0	0	0	—	—	—

CHARLESTON HARBOR, SC (INCLUDING ASHLEY RIVER, COOPER RIVER, SHEM CREEK AND SHIPYARD RIVER, SC)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
5390 primary i&s nec	49	1	46	—	—	3
Subtotal primary non-ferrous metal products	50	20	30	0	0	—
5421 copper	8	5	3	—	—	—
5422 aluminum	0	0	0	—	—	—
5429 smelted prod. nec	0	0	—	—	—	—
5480 fab. metal products	42	14	27	0	0	—
Total food and farm products	218	117	95	6	—	0
Subtotal fish	7	0	0	6	—	0
6134 fish (not shellfish)	1	0	0	1	—	—
6136 shellfish	5	—	—	5	—	0
Subtotal vegetable products	3	3	0	—	—	—
6654 vegetables & prod.	3	3	0	—	—	—
Subtotal processed grain and animal feed	1	1	0	—	—	—
6747 grain mill products	1	0	0	—	—	—
6782 animal feed, prep.	0	0	—	—	—	—
Subtotal other agricultural products	208	113	94	—	—	—
6811 meat, fresh, frozen	4	2	1	—	—	—
6822 dairy products	2	1	1	—	—	—
6839 animals & prod. nec	0	0	—	—	—	—
6858 fruit juices	0	0	—	—	—	—
6871 coffee	0	0	0	—	—	—
6872 cocoa beans	10	7	3	—	—	—
6885 alcoholic beverages	176	95	81	—	—	—
6888 water & ice	16	8	8	—	—	—
6889 food products nec	1	0	0	—	—	—
6891 tobacco & products	0	0	0	—	—	—
6899 farm products nec	0	0	0	—	—	—
Total all manufactured equipment, machinery and products	197	124	72	0	0	—
7110 machinery (not elec)	17	16	1	—	—	—
7120 electrical machinery	3	2	1	—	0	—
7210 vehicles & parts	6	5	0	—	—	—
7220 aircraft & parts	1	0	0	—	—	—
7230 ships & boats	1	0	0	—	0	—
7300 ordnance & access.	0	0	0	0	—	—
7400 manufac. wood prod.	8	4	4	—	—	—
7500 textile products	6	6	0	—	—	—
7600 rubber & plastic pr.	13	10	4	—	—	—
7900 manufac. prod. nec	143	81	61	—	0	—

*Includes 249 (x1000) tons of foreign inbound in-transits; Includes 265 (x1000) tons of foreign outbound in-transits;
 Includes 7 (x1000) tons of Canadian inbound in-transits; Includes 0 (x1000) tons of Canadian outbound 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
1989	1,276	1992	1,334	1995	772	1998	680
1990	1,726	1993	1,025	1996	485		
1991	1,698	1994	1,103	1997	778		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic			
		Imports	Exports*		Total Receipts	Internal		Inbound Upbound
				Coastwise		Inbound	Outbound	
Total, all commodities	680	454	2	53	170	153	8	9
Total coal	28	28	—	—	—	—	—	—
1200 coal coke	28	28	—	—	—	—	—	—
Total petroleum and petroleum products	175	50	—	—	126	121	5	—
Subtotal petroleum products	175	50	—	—	126	121	5	—
2340 residual fuel oil	5	—	—	—	5	—	5	—
2350 lube oil & greases	84	—	—	—	84	84	—	—
2430 asphalt, tar & pitch	36	—	—	—	36	36	—	—
2540 petroleum coke	50	50	—	—	—	—	—	—

SHIPYARD RIVER, SC (INCLUDED IN CHARLESTON HARBOR, SC)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports*	Imports	Total	Coastwise	Internal	
					Receipts	Inbound Upbound	Outbound Downbnd	
Total chemicals and related products	53	19	1	---	32	32	---	---
Subtotal fertilizers	7	7	---	---	---	---	---	---
3130 potassic fert.	7	7	---	---	---	---	---	---
Subtotal other chemicals and related products	46	13	1	---	32	32	---	---
3274 sodium hydroxide	35	3	---	---	32	32	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	---	---	---	---
3276 metallic salts	10	10	---	---	---	---	---	---
3282 pigments & paints	0	---	0	---	---	---	---	---
3286 plastics	1	---	1	---	---	---	---	---
3297 chemical additives	0	---	0	---	---	---	---	---
Total crude materials, inedible except fuels	260	198	0	53	9	---	---	9
Subtotal soil, sand, gravel, rock and stone	128	76	---	53	---	---	---	---
4323 gypsum	98	76	---	22	---	---	---	---
4331 sand & gravel	31	---	---	31	---	---	---	---
Subtotal iron ore and scrap	9	---	---	---	9	---	---	9
4420 iron & steel scrap	9	---	---	---	9	---	---	9
Subtotal non-ferrous ores and scrap	0	---	0	---	---	---	---	---
4680 non-ferrous scrap	0	---	0	---	---	---	---	---
Subtotal slag	45	45	---	---	---	---	---	---
4860 slag	45	45	---	---	---	---	---	---
Subtotal other non-metal. min.	77	77	---	---	---	---	---	---
4900 non-metal. min. nec	77	77	---	---	---	---	---	---
Total primary manufactured goods	163	160	0	---	3	---	3	---
Subtotal paper products	0	---	0	---	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---	---
5190 paper products nec	0	---	0	---	---	---	---	---
Subtotal lime, cement and glass	160	160	---	---	---	---	---	---
5220 cement & concrete	160	160	---	---	---	---	---	---
Subtotal primary iron and steel products	3	---	---	---	3	---	3	---
5390 primary i&s nec	3	---	---	---	3	---	3	---
Subtotal primary non-ferrous metal products	0	---	0	---	0	---	0	---
5480 fab. metal products	0	---	0	---	0	---	0	---
Total food and farm products	0	---	0	---	---	---	---	---
Subtotal vegetable products	0	---	0	---	---	---	---	---
6654 vegetables & prod.	0	---	0	---	---	---	---	---
Subtotal processed grain and animal feed	0	---	0	---	---	---	---	---
6747 grain mill products	0	---	0	---	---	---	---	---
Subtotal other agricultural products	0	---	0	---	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---	---
Total all manufactured equipment, machinery and products	0	---	0	---	---	---	---	---
7110 machinery (not elec)	0	---	0	---	---	---	---	---
7500 textile products	0	---	0	---	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---	---
7900 manufac. prod. nec	0	---	0	---	---	---	---	---
Ton-miles (x1000)	680	454	2	53	170	153	8	9

Tons All Traffic (x1000) 680
 Ton-miles All Traffic (x1000) 680

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

PORT ROYAL HARBOR, SC

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	173	1992	56	1995	1	1998	306
1990	135	1993	89	1996	78		
1991	90	1994	44	1997	104		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports*	Imports	Total	Coastwise	Internal
					Receipts	Receipts	Receipts
Total, all commodities	306	248	24	25	8	4	4
Total petroleum and petroleum products	4	---	---	---	4	---	4
Subtotal petroleum products	4	---	---	---	4	---	4
2330 distillate fuel oil	0	---	---	---	0	---	0
2340 residual fuel oil	4	---	---	---	4	---	4
Total chemicals and related products	0	---	0	---	---	---	---
Subtotal other chemicals and related products	0	---	0	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---
3286 plastics	0	---	0	---	---	---	---
3299 chem. products nec	0	---	0	---	---	---	---
Total crude materials, inedible except fuels	73	21	23	25	4	4	---
Subtotal forest products, wood and chips	0	---	0	---	---	---	---
4189 lumber	0	---	0	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	25	---	---	25	---	---	---
4331 sand & gravel	25	---	---	25	---	---	---
Subtotal non-ferrous ores and scrap	0	---	0	---	---	---	---
4680 non-ferrous scrap	0	---	0	---	---	---	---
Subtotal sulphur, clay and salt	35	21	14	---	---	---	---
4782 clay & refrac. mat.	35	21	14	---	---	---	---
Subtotal other non-metal. min.	13	---	9	---	4	4	---
4900 non-metal. min. nec	13	---	9	---	4	4	---
Total primary manufactured goods	227	227	0	---	---	---	---
Subtotal paper products	0	---	0	---	---	---	---
5190 paper products nec	0	---	0	---	---	---	---
Subtotal lime, cement and glass	227	227	0	---	---	---	---
5220 cement & concrete	227	227	---	---	---	---	---
5240 glass & glass prod.	0	---	0	---	---	---	---
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	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	1	---	1	---	---	---	---
7110 machinery (not elec)	0	---	0	---	---	---	---
7120 electrical machinery	0	---	0	---	---	---	---
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	0	---	---	---	---
9900 unknown or nec	0	0	0	---	---	---	---

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

Other Harbors and Waterways 1998

Harbor or Waterway Project	Commodity	Thousand Short Tons	
ASHLEY RIVER, SC (INCLUDED IN CHARLESTON HARBOR, SC)	2211 gasoline	1	
	2330 distillate fuel oil	31	
	2340 residual fuel oil	45	
	3110 nitrogenous fert.	3	
	3220 alcohols	0	
	3260 organic comp. nec	0	
	3282 pigments & paints	0	
	3284 medicines	0	
	3286 plastics	0	
	4189 lumber	0	
	4225 pulp & waste paper	0	
	4420 iron & steel scrap	0	
	4690 non-ferrous ores nec	1	
	4782 clay & refrac. mat.	0	
	5120 paper & paperboard	1	
	5190 paper products nec	0	
	5290 misc. mineral prod.	7	
	5360 i&s bars & shapes	1	
	5480 fab. metal products	4	
	5540 primary wood prod.	13	
	6136 shellfish	6	
	6654 vegetables & prod.	0	
6811 meat, fresh, frozen	0		
6839 animals & prod. nec	0		
6888 water & ice	0		
7120 electrical machinery	0		
7230 ships & boats	0		
7400 manufac. wood prod.	0		
7500 textile products	0		
7900 manufac. prod. nec	0		
	Total Tons(x1000)	115	
	Total Ton-miles(x1000)	248	
GREAT PEE DEE RIVER, SC	6134 fish (not shellfish)	0	
		Total Tons(x1000)	0
		Total Ton-miles(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	0	
		Total Tons(x1000)	0
WACCAMAW RIVER, NC AND SC	6136 shellfish	0	
		Total Tons(x1000)	0

SAVANNAH HARBOR, GA

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1989	12,830	1992	13,989	1995	17,380	1998	17,711
1990	13,569	1993	14,963	1996	17,598		
1991	13,337	1994	15,905	1997	17,929		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	14,575	7,501	6,134	778	162
Total coal	375	372	3	—	—
1100 coal lignite	374	372	2	—	—
1200 coal coke	1	—	1	—	—
Total petroleum and petroleum products	1,528	1,475	54	—	—
Subtotal crude petroleum	662	662	—	—	—
2100 crude petroleum	662	662	—	—	—
Subtotal petroleum products	866	812	54	—	—
2211 gasoline	501	501	—	—	—
2221 kerosene	0	—	0	—	—
2330 distillate fuel oil	160	160	0	—	—
2340 residual fuel oil	36	35	2	—	—
2350 lube oil & greases	9	1	8	—	—
2410 petro. jelly & waxes	1	1	0	—	—
2429 naphtha & solvents	9	8	1	—	—
2430 asphalt, tar & pitch	0	0	0	—	—
2540 petroleum coke	108	106	2	—	—
2640 liquid natural gas	41	—	41	—	—
Total chemicals and related products	1,314	699	513	102	1
Subtotal fertilizers	18	13	5	—	—
3110 nitrogenous fert.	5	4	1	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	0	0	0	—	—
3190 fert. & mixes nec	13	9	4	—	—
Subtotal other chemicals and related products	1,296	685	508	102	1
3211 acyclic hydrocarbons	3	0	2	—	—
3212 benzene & toluene	0	0	—	—	—
3219 other hydrocarbons	17	16	1	—	—
3220 alcohols	69	64	5	—	—
3230 carboxylic acids	48	30	17	—	—
3240 nitrogen func. comp.	28	20	8	—	—
3250 organo - inorg. comp.	122	53	69	—	—
3260 organic comp. nec	24	18	7	—	—
3271 sulphur (liquid)	0	0	—	—	—
3272 sulphuric acid	97	—	—	97	—
3273 ammonia	213	212	1	—	—
3274 sodium hydroxide	42	36	2	5	—
3275 inorg. elem.oxides, & halogen salts	71	62	8	—	0
3276 metallic salts	36	25	11	0	—
3279 inorganic chem. nec	7	3	5	—	—
3281 radioactive material	3	3	1	—	—
3282 pigments & paints	27	7	20	—	—
3283 coloring mat. nec	7	4	3	—	—
3284 medicines	3	2	2	—	—
3285 perfumes & cleansers	30	10	20	—	0
3286 plastics	263	71	191	—	0
3291 pesticides	18	3	15	—	—
3292 starches, gluten, glue	28	14	14	—	—
3293 explosives	1	1	0	—	—
3297 chemical additives	16	3	13	—	—
3298 wood & resin chem.	78	18	61	—	—
3299 chem. products nec	44	11	32	—	0
Total crude materials, inedible except fuels	5,626	1,156	3,636	674	160
Subtotal forest products, wood and chips	559	211	335	13	—
4110 rubber & gums	36	36	0	—	—
4150 fuel wood	4	0	4	—	—
4161 wood chips	209	17	192	—	—
4170 wood in the rough	35	2	32	—	—
4189 lumber	271	152	107	13	—
4190 forest products nec	4	4	0	—	—
Subtotal pulp and waste paper	687	10	677	—	—
4225 pulp & waste paper	687	10	677	—	—

SAVANNAH HARBOR, GA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Subtotal soil, sand, gravel, rock and stone	1,033	385	105	543	---
4310 building stone	96	21	75	---	---
4322 limestone	478	316	---	162	---
4323 gypsum	434	48	6	381	---
4331 sand & gravel	25	0	24	---	---
Subtotal iron ore and scrap	6	1	6	---	---
4420 iron & steel scrap	6	1	6	---	---
Subtotal marine shells	0	0	0	---	---
4515 marine shells	0	0	0	---	---
Subtotal non-ferrous ores and scrap	209	185	24	---	---
4650 aluminum ore	151	149	2	---	---
4670 manganese ore	7	---	7	---	---
4680 non-ferrous scrap	18	8	11	---	---
4690 non-ferrous ores nec	32	28	4	---	---
Subtotal sulphur, clay and salt	2,651	8	2,482	---	160
4741 sulphur, (dry)	0	---	0	---	---
4782 clay & refrac. mat.	2,651	8	2,482	---	160
Subtotal slag	153	33	2	118	---
4860 slag	153	33	2	118	---
Subtotal other non-metal. min.	327	322	5	---	---
4900 non-metal. min. nec	327	322	5	---	---
Total primary manufactured goods	2,981	1,975	1,004	1	1
Subtotal paper products	948	62	885	1	1
5110 newsprint	14	0	14	---	---
5120 paper & paperboard	906	55	849	1	1
5190 paper products nec	28	7	21	---	0
Subtotal lime, cement and glass	751	701	50	0	0
5220 cement & concrete	480	479	2	---	---
5240 glass & glass prod.	47	28	19	---	---
5290 misc. mineral prod.	224	194	29	0	0
Subtotal primary iron and steel products	811	799	12	0	---
5312 pig iron	24	23	1	---	---
5315 ferro alloys	5	5	0	---	---
5320 i&s primary forms	4	3	1	---	---
5330 i&s plates & sheets	260	256	4	---	---
5360 i&s bars & shapes	410	407	3	---	---
5370 i&s pipe & tube	69	66	2	0	---
5390 primary i&s nec	40	38	1	---	---
Subtotal primary non-ferrous metal products	282	235	47	---	0
5421 copper	6	2	4	---	---
5422 aluminum	55	35	20	---	0
5429 smelted prod. nec	8	7	1	---	---
5480 fab. metal products	214	191	23	---	---
Subtotal primary wood products	189	179	10	---	---
5540 primary wood prod.	189	179	10	---	---
Total food and farm products	936	542	393	0	0
Subtotal fish	10	10	0	---	---
6134 fish (not shellfish)	9	9	0	---	---
6136 shellfish	1	1	0	---	---
Subtotal grain	9	3	6	---	---
6344 corn	3	---	3	---	---
6442 rice	6	3	3	---	---
6443 barley & rye	0	0	---	---	---
6447 sorghum grains	0	0	0	---	---
Subtotal oilseeds	29	18	11	---	---
6521 peanuts	28	18	10	---	---
6590 oilseeds nec	1	0	1	---	---
Subtotal vegetable products	115	87	27	---	---
6653 vegetable oils	75	67	9	---	---
6654 vegetables & prod.	40	21	19	---	---
Subtotal processed grain and animal feed	38	11	27	---	0
6746 wheat flour	0	0	0	---	---
6747 grain mill products	15	10	5	---	---
6781 hay & fodder	2	---	2	---	---
6782 animal feed, prep.	21	1	20	---	0
Subtotal other agricultural products	734	413	321	0	0
6811 meat, fresh, frozen	147	20	127	---	0
6817 meat, prepared	6	3	3	---	---
6822 dairy products	3	1	2	---	0
6835 fish, prepared	7	7	0	---	---
6838 tallow, animal oils	1	0	1	---	---
6839 animals & prod. nec	16	8	8	---	0
6856 bananas & plantains	0	0	---	---	---
6857 fruit & nuts nec	36	3	32	---	---
6858 fruit juices	86	43	43	---	---
6861 sugar	162	161	1	---	---
6865 molasses	1	0	1	---	---
6871 coffee	21	21	0	---	---
6872 cocoa beans	16	16	0	---	---
6885 alcoholic beverages	79	59	20	0	---
6888 water & ice	10	10	0	---	---

SAVANNAH HARBOR, GA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
6889 food products nec	75	47	28	—	0
6891 tobacco & products	31	8	22	—	—
6893 cotton	32	3	28	—	—
6894 natural fibers nec	0	0	0	—	—
6899 farm products nec	4	1	2	—	—
Total all manufactured equipment, machinery and products	1,775	1,261	513	0	0
7110 machinery (not elec)	537	390	146	0	0
7120 electrical machinery	215	137	78	0	0
7210 vehicles & parts	99	51	48	—	—
7220 aircraft & parts	1	0	1	—	—
7230 ships & boats	4	1	3	0	0
7300 ordnance & access.	5	1	3	—	—
7400 manufac. wood prod.	25	21	4	0	—
7500 textile products	377	223	154	0	0
7600 rubber & plastic pr.	173	134	39	—	0
7900 manufac. prod. nec	340	302	37	0	0
Total unknown or not elsewhere classified	40	21	19	0	0
9900 unknown or nec	40	21	19	0	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	3,136	2,125	687	9	160	154
Total petroleum and petroleum products	1,919	1,062	557	6	140	154
Subtotal petroleum products	1,919	1,062	557	6	140	154
2211 gasoline	487	484	—	2	—	—
2330 distillate fuel oil	676	404	187	—	72	13
2340 residual fuel oil	264	52	—	4	68	141
2350 lube oil & greases	33	33	—	—	—	—
2429 naphtha & solvents	68	—	68	—	—	—
2430 asphalt, tar & pitch	392	89	303	—	—	—
Total chemicals and related products	522	519	1	3	—	—
Subtotal fertilizers	8	6	—	3	—	—
3110 nitrogenous fert.	8	6	—	3	—	—
Subtotal other chemicals and related products	514	513	1	—	—	—
3219 other hydrocarbons	181	180	1	—	—	—
3220 alcohols	11	11	—	—	—	—
3271 sulphur (liquid)	25	25	—	—	—	—
3274 sodium hydroxide	263	263	—	—	—	—
3297 chemical additives	33	33	—	—	—	—
Total primary manufactured goods	110	87	3	0	20	—
Subtotal lime, cement and glass	53	45	—	—	7	—
5220 cement & concrete	45	45	—	—	—	—
5290 misc. mineral prod.	7	—	—	—	7	—
Subtotal primary non-ferrous metal products	44	41	3	0	—	—
5480 fab. metal products	44	41	3	0	—	—
Subtotal primary wood products	13	—	—	—	13	—
5540 primary wood prod.	13	—	—	—	13	—
Total food and farm products	448	448	—	—	—	—
Subtotal other agricultural products	448	448	—	—	—	—
6861 sugar	448	448	—	—	—	—
Total all manufactured equipment, machinery and products	136	10	126	—	1	—
7900 manufac. prod. nec	136	10	126	—	1	—

*Includes 84 (x1000) tons of foreign inbound in-transits; Includes 49 (x1000) tons of foreign outbound 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
1989	748	1992	404	1995	510	1998	391
1990	664	1993	682	1996	447		
1991	531	1994	566	1997	382		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise	Internal		
		Through Upbound	Inbound Upbound	Through Upbound	Downbnd
Total, all commodities	391	2	2	307	79
Total petroleum and petroleum products	359	—	1	285	73
Subtotal petroleum products	359	—	1	285	73
2211 gasoline	4	—	—	4	—
2330 distillate fuel oil	80	—	1	35	44
2340 residual fuel oil	275	—	—	246	29
Total chemicals and related products	3	—	—	—	3
Subtotal fertilizers	3	—	—	—	3
3110 nitrogenous fert.	3	—	—	—	3
Total crude materials, inedible except fuels	2	—	—	1	0
Subtotal forest products, wood and chips	0	—	—	—	0
4189 lumber	0	—	—	—	0
Subtotal non-ferrous ores and scrap	1	—	—	1	—
4690 non-ferrous ores nec	1	—	—	1	—
Total primary manufactured goods	25	2	—	21	2
Subtotal lime, cement and glass	7	—	—	7	0
5290 misc. mineral prod.	7	—	—	7	0
Subtotal primary iron and steel products	1	—	—	—	1
5360 i&s bars & shapes	1	—	—	—	1
Subtotal primary non-ferrous metal products	4	2	—	0	1
5480 fab. metal products	4	2	—	0	1
Subtotal primary wood products	13	—	—	13	—
5540 primary wood prod.	13	—	—	13	—
Total food and farm products	1	—	1	—	—
Subtotal fish	1	—	1	—	—
6134 fish (not shellfish)	0	—	0	—	—
6136 shellfish	1	—	1	—	—
Total all manufactured equipment, machinery and products	1	—	—	—	1
7120 electrical machinery	0	—	—	—	0
7230 ships & boats	0	—	—	—	0
7400 manufac. wood prod.	0	—	—	—	0
7900 manufac. prod. nec	1	—	—	—	1
Ton-miles (x1000)	18,255	396	13	10,189	7,656
Tons All Traffic (x1000)					391
Ton-miles All Traffic (x1000)					18,262

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
1989	2,246	1992	1,450	1995	2,002	1998	2,615
1990	1,978	1993	1,593	1996	2,063		
1991	1,719	1994	1,626	1997	2,698		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports*	Exports*		Imports	Total	Internal
				Upbound		Inbound	Outbound
Total, all commodities	2,615	1,212	957	168	278	277	1
Total petroleum and petroleum products	313	36	0	---	276	276	---
Subtotal petroleum products	313	36	0	---	276	276	---
2211 gasoline	25	25	---	---	---	---	---
2330 distillate fuel oil	50	---	---	---	50	50	---
2340 residual fuel oil	238	11	---	---	227	227	---
2410 petro. jelly & waxes	0	---	0	---	---	---	---
Total chemicals and related products	46	32	2	13	---	---	---
Subtotal fertilizers	42	29	---	13	---	---	---
3110 nitrogenous fert.	8	8	---	---	---	---	---
3130 potassic fert.	32	19	---	13	---	---	---
3190 fert. & mixes nec	2	2	---	---	---	---	---
Subtotal other chemicals and related products	5	3	2	---	---	---	---
3219 other hydrocarbons	0	---	0	---	---	---	---
3230 carboxylic acids	0	---	0	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---
3250 organo - inorg. comp.	1	1	---	---	---	---	---
3260 organic comp. nec	0	---	0	---	---	---	---
3275 inorg. elem. oxides, & halogen salts	1	1	---	---	---	---	---
3276 metallic salts	0	---	0	---	---	---	---
3279 inorganic chem. nec	0	0	---	---	---	---	---
3282 pigments & paints	0	0	0	---	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---	---
3284 medicines	0	0	---	---	---	---	---
3285 perfumes & cleansers	0	0	0	---	---	---	---
3286 plastics	1	1	0	---	---	---	---
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	0	---	---	---	---
Total crude materials, inedible except fuels	1,497	783	559	155	---	---	---
Subtotal forest products, wood and chips	18	16	2	---	---	---	---
4150 fuel wood	16	16	---	---	---	---	---
4170 wood in the rough	1	---	1	---	---	---	---
4189 lumber	1	---	1	---	---	---	---
Subtotal pulp and waste paper	543	---	543	---	---	---	---
4225 pulp & waste paper	543	---	543	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	596	434	6	155	---	---	---
4322 limestone	206	206	---	---	---	---	---
4323 gypsum	384	228	---	155	---	---	---
4331 sand & gravel	6	---	6	---	---	---	---
Subtotal non-ferrous ores and scrap	5	0	4	---	---	---	---
4680 non-ferrous scrap	0	0	---	---	---	---	---
4690 non-ferrous ores nec	4	---	4	---	---	---	---
Subtotal sulphur, clay and salt	4	0	4	---	---	---	---
4782 clay & refrac. mat.	4	0	4	---	---	---	---
Subtotal other non-metal. min.	332	332	---	---	---	---	---
4900 non-metal. min. nec	332	332	---	---	---	---	---
Total primary manufactured goods	282	114	168	---	1	---	1
Subtotal paper products	161	0	161	---	---	---	---
5110 newsprint	10	---	10	---	---	---	---
5120 paper & paperboard	151	---	151	---	---	---	---
5190 paper products nec	0	0	0	---	---	---	---

BRUNSWICK HARBOR, GA
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports*	Exports*	Imports	Total	Internal	
						Inbound Upbound	Outbound Downbnd
Subtotal lime, cement and glass	108	107	1	---	---	---	---
5220 cement & concrete	104	104	---	---	---	---	---
5240 glass & glass prod.	1	0	1	---	---	---	---
5290 misc. mineral prod.	3	3	---	---	---	---	---
Subtotal primary iron and steel products	0	0	0	---	---	---	---
5330 i&s plates & sheets	0	0	---	---	---	---	---
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	2	1	0	---	1	---	1
5422 aluminum	0	0	0	---	---	---	---
5480 fab. metal products	2	1	0	---	1	---	1
Subtotal primary wood products	11	6	5	---	---	---	---
5540 primary wood prod.	11	6	5	---	---	---	---
Total food and farm products	184	54	129	---	0	0	---
Subtotal fish	0	0	---	---	0	0	---
6134 fish (not shellfish)	0	---	---	---	0	0	---
6136 shellfish	0	0	---	---	0	0	---
Subtotal grain	56	54	2	---	---	---	---
6344 corn	2	---	2	---	---	---	---
6445 oats	54	54	---	---	---	---	---
Subtotal oilseeds	20	---	20	---	---	---	---
6522 soybeans	20	---	20	---	---	---	---
Subtotal vegetable products	0	0	---	---	---	---	---
6654 vegetables & prod.	0	0	---	---	---	---	---
Subtotal processed grain and animal feed	107	0	107	---	---	---	---
6747 grain mill products	41	0	40	---	---	---	---
6782 animal feed, prep.	66	---	66	---	---	---	---
Subtotal other agricultural products	1	0	1	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---
6839 animals & prod. nec	0	0	---	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---
6858 fruit juices	0	0	0	---	---	---	---
6871 coffee	0	0	---	---	---	---	---
6885 alcoholic beverages	0	0	---	---	---	---	---
6889 food products nec	0	0	0	---	---	---	---
Total all manufactured equipment, machinery and products	289	190	99	---	---	---	---
7110 machinery (not elec)	29	22	7	---	---	---	---
7120 electrical machinery	0	0	0	---	---	---	---
7210 vehicles & parts	254	167	87	---	---	---	---
7220 aircraft & parts	0	0	0	---	---	---	---
7230 ships & boats	2	0	2	---	---	---	---
7300 ordnance & access.	1	---	1	---	---	---	---
7400 manufac. wood prod.	0	0	---	---	---	---	---
7500 textile products	2	0	2	---	---	---	---
7600 rubber & plastic pr.	0	0	0	---	---	---	---
7900 manufac. prod. nec	1	0	1	---	---	---	---
Total unknown or not elsewhere classified	2	1	1	---	---	---	---
9900 unknown or nec	2	1	1	---	---	---	---
Ton-miles (x1000)	11,066	4,846	3,830	672	1,718	1,716	2
Tons All Traffic (x1000)	2,615						
Ton-miles All Traffic (x1000)	11,068						

*Includes 6 (x1000) tons of foreign inbound in-transits; Includes 10 (x1000) tons of foreign outbound in-transits.

Other Harbors and Waterways 1998

Harbor or Waterway Project	Commodity	Thousand Short Tons
ALTAMAHA RIVER, GA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	13
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)	13
ST. MARYS RIVER, GA AND FL	2340 residual fuel oil	61
	6136 shellfish	0
	Total Tons(x1000)	61
	Total Ton-miles(x1000)	306

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
1989	406	1992	379	1995	599	1998	572
1990	531	1993	520	1996	648		
1991	367	1994	588	1997	533		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports*	Exports*	Total	Coastwise		Internal Receipts
					Receipts	Shipments	
Total, all commodities	572	130	329	112	2	2	108
Total coal	0	—	0	—	—	—	—
1100 coal lignite	0	—	0	—	—	—	—
Total petroleum and petroleum products	83	47	1	36	—	—	36
Subtotal petroleum products	83	47	1	36	—	—	36
2211 gasoline	47	47	—	—	—	—	—
2340 residual fuel oil	36	—	—	36	—	—	36
2350 lube oil & greases	0	—	0	—	—	—	—
2540 petroleum coke	0	—	0	—	—	—	—
Total chemicals and related products	74	1	9	64	—	—	64
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	74	1	9	64	—	—	64
3219 other hydrocarbons	0	—	0	—	—	—	—
3220 alcohols	0	—	0	—	—	—	—
3230 carboxylic acids	0	—	0	—	—	—	—
3240 nitrogen func. comp.	1	—	1	—	—	—	—
3250 organo - inorg. comp.	1	—	1	—	—	—	—
3260 organic comp. nec	0	—	0	—	—	—	—
3272 sulphuric acid	0	—	0	—	—	—	—
3274 sodium hydroxide	64	—	0	64	—	—	64
3275 inorg. elem., oxides, & halogen salts	0	0	0	—	—	—	—
3276 metallic salts	0	—	0	—	—	—	—
3279 inorganic chem. nec	0	—	0	—	—	—	—
3282 pigments & paints	1	0	1	—	—	—	—
3284 medicines	0	—	0	—	—	—	—
3285 perfumes & cleansers	1	0	1	—	—	—	—
3286 plastics	2	—	2	—	—	—	—
3291 pesticides	1	0	1	—	—	—	—
3292 starches, gluten, glue	0	—	0	—	—	—	—
3293 explosives	0	—	0	—	—	—	—
3297 chemical additives	1	0	0	—	—	—	—
3298 wood & resin chem.	1	0	0	—	—	—	—
3299 chem. products nec	1	—	1	—	—	—	—
Total crude materials, inedible except fuels	55	1	53	—	—	—	—
Subtotal forest products, wood and chips	9	1	9	—	—	—	—
4110 rubber & gums	0	—	0	—	—	—	—
4150 fuel wood	0	—	0	—	—	—	—
4161 wood chips	0	—	0	—	—	—	—
4170 wood in the rough	6	—	6	—	—	—	—
4189 lumber	3	1	2	—	—	—	—
Subtotal pulp and waste paper	39	—	39	—	—	—	—
4225 pulp & waste paper	39	—	39	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	0	—	0	—	—	—	—
4310 building stone	0	—	0	—	—	—	—
4331 sand & gravel	0	—	0	—	—	—	—
Subtotal iron ore and scrap	0	—	0	—	—	—	—
4420 iron & steel scrap	0	—	0	—	—	—	—
Subtotal non-ferrous ores and scrap	1	1	0	—	—	—	—
4650 aluminum ore	0	—	0	—	—	—	—
4680 non-ferrous scrap	1	1	—	—	—	—	—
Subtotal sulphur, clay and salt	4	—	4	—	—	—	—
4741 sulphur, (dry)	3	—	3	—	—	—	—
4782 clay & refrac. mat.	1	—	1	—	—	—	—
Subtotal other non-metal. min.	1	—	1	—	—	—	—
4900 non-metal. min. nec	1	—	1	—	—	—	—

FERNANDINA HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports*	Exports*	Total	Coastwise		Internal Receipts
					Receipts	Shipments	
Total primary manufactured goods	237	2	229	7	2	---	5
Subtotal paper products	220	---	220	---	---	---	---
5110 newsprint	2	---	2	---	---	---	---
5120 paper & paperboard	215	---	215	---	---	---	---
5190 paper products nec	4	---	4	---	---	---	---
Subtotal lime, cement and glass	9	0	2	7	2	---	5
5220 cement & concrete	0	---	0	---	---	---	---
5240 glass & glass prod.	0	---	0	---	---	---	---
5290 misc. mineral prod.	9	0	2	7	2	---	5
Subtotal primary iron and steel products	2	---	2	---	---	---	---
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	0	---	0	---	---	---	---
Subtotal primary non-ferrous metal products	5	1	4	---	---	---	---
5421 copper	0	---	0	---	---	---	---
5422 aluminum	1	1	0	---	---	---	---
5480 fab. metal products	4	0	4	---	---	---	---
Subtotal primary wood products	1	---	1	---	---	---	---
5540 primary wood prod.	1	---	1	---	---	---	---
Total food and farm products	41	21	18	3	---	---	3
Subtotal fish	3	0	0	3	---	---	3
6134 fish (not shellfish)	0	0	0	0	---	---	0
6136 shellfish	3	---	0	3	---	---	3
Subtotal grain	0	---	0	---	---	---	---
6344 corn	0	---	0	---	---	---	---
6442 rice	0	---	0	---	---	---	---
Subtotal oilseeds	1	---	1	---	---	---	---
6521 peanuts	1	---	1	---	---	---	---
Subtotal vegetable products	1	---	1	---	---	---	---
6653 vegetable oils	0	---	0	---	---	---	---
6654 vegetables & prod.	1	---	1	---	---	---	---
Subtotal processed grain and animal feed	7	---	7	---	---	---	---
6746 wheat flour	1	---	1	---	---	---	---
6747 grain mill products	1	---	1	---	---	---	---
6781 hay & fodder	0	---	0	---	---	---	---
6782 animal feed, prep.	5	---	5	---	---	---	---
Subtotal other agricultural products	30	21	9	---	---	---	---
6811 meat, fresh, frozen	2	---	2	---	---	---	---
6817 meat, prepared	1	0	1	---	---	---	---
6822 dairy products	0	---	0	---	---	---	---
6835 fish, prepared	0	---	0	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---
6856 bananas & plantains	4	4	---	---	---	---	---
6857 fruit & nuts nec	10	10	0	---	---	---	---
6858 fruit juices	2	0	1	---	---	---	---
6861 sugar	0	---	0	---	---	---	---
6871 coffee	6	6	0	---	---	---	---
6872 cocoa beans	0	---	0	---	---	---	---
6885 alcoholic beverages	1	---	1	---	---	---	---
6889 food products nec	4	1	3	---	---	---	---
6891 tobacco & products	0	---	0	---	---	---	---
6893 cotton	0	---	0	---	---	---	---
6899 farm products nec	0	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	80	59	18	3	---	2	1
7110 machinery (not elec)	3	0	3	---	---	---	---
7120 electrical machinery	2	0	2	---	---	---	---
7210 vehicles & parts	59	58	1	---	---	---	---
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	7	0	7	---	---	---	---
7600 rubber & plastic pr.	2	0	2	---	---	---	---
7900 manufac. prod. nec	5	0	2	3	---	2	1
Total unknown or not elsewhere classified	1	0	1	---	---	---	---
9900 unknown or nec	1	0	1	---	---	---	---

*Includes 1 (x1000) tons of foreign inbound in-transits; Includes 1 (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
1989	545	1992	359	1995	492	1998	484
1990	461	1993	532	1996	530		
1991	351	1994	602	1997	468		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Domestic							
		Coastwise				Internal			
		Receipts	Shipments	Through		Inbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd		
Total, all commodities	484	2	2	21	72	108	1	276	3
Total petroleum and petroleum products	347	---	---	---	38	36	---	274	---
Subtotal petroleum products	347	---	---	---	38	36	---	274	---
2211 gasoline	12	---	---	---	8	---	---	4	---
2330 distillate fuel oil	19	---	---	---	11	---	---	8	---
2340 residual fuel oil	309	---	---	---	10	36	---	263	---
2430 asphalt, tar & pitch	8	---	---	---	8	---	---	---	---
Total chemicals and related products	97	---	---	0	32	64	---	---	---
Subtotal other chemicals and related products	97	---	---	0	32	64	---	---	---
3274 sodium hydroxide	96	---	---	---	32	64	---	---	---
3282 pigments & paints	0	---	---	0	---	---	---	---	---
Total crude materials, inedible except fuels	2	---	---	---	---	---	---	1	0
Subtotal forest products, wood and chips	0	---	---	---	---	---	---	---	0
4189 lumber	0	---	---	---	---	---	---	---	0
Subtotal non-ferrous ores and scrap	1	---	---	---	---	---	---	1	---
4690 non-ferrous ores nec	1	---	---	---	---	---	---	1	---
Total primary manufactured goods	14	2	---	2	2	5	---	0	2
Subtotal lime, cement and glass	9	2	---	---	2	5	---	---	0
5290 misc. mineral prod.	9	2	---	---	2	5	---	---	0
Subtotal primary iron and steel products	1	---	---	---	---	---	---	---	1
5360 i&s bars & shapes	1	---	---	---	---	---	---	---	1
Subtotal primary non-ferrous metal products	4	---	---	2	0	---	---	0	1
5480 fab. metal products	4	---	---	2	0	---	---	0	1
Total food and farm products	21	---	---	19	---	3	---	---	---
Subtotal fish	3	---	---	---	---	3	---	---	---
6134 fish (not shellfish)	0	---	---	---	---	0	---	---	---
6136 shellfish	3	---	---	---	---	3	---	---	---

ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER, FL (JACKSONVILLE DISTRICT)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Domestic							
		Coastwise				Internal			
		Receipts	Shipments	Through		Inbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd		
Subtotal vegetable products	9	---	---	9	---	---	---	---	---
6653 vegetable oils	9	---	---	9	---	---	---	---	---
Subtotal other agricultural products	10	---	---	10	---	---	---	---	---
6889 food products nec	10	---	---	10	---	---	---	---	---
Total all manufactured equipment, machinery and products	3	---	2	0	---	---	1	---	0
7210 vehicles & parts	0	---	---	0	---	---	---	---	---
7400 manufac. wood prod.	0	---	---	---	---	---	---	---	0
7900 manufac. prod. nec	3	---	2	---	---	---	1	---	---
Ton-miles (x1000)	12,125	8	6	558	1,875	2,440	2	7,171	66
Tons All Traffic (x1000)				484					
Ton-miles All Traffic (x1000)				12,125					

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
1989	15,185	1992	17,209	1995	15,693	1998	21,190
1990	15,120	1993	18,850	1996	16,737		
1991	16,364	1994	18,914	1997	18,186		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Total, all commodities	10,246	7,674	1,520	1,044	9
Total coal	1,645	1,645	1	---	---
1100 coal lignite	1,645	1,645	0	---	---
1200 coal coke	0	---	0	---	---
Total petroleum and petroleum products	3,313	3,178	70	65	---
Subtotal petroleum products	3,313	3,178	70	65	---
2211 gasoline	659	659	---	---	---
2221 kerosene	0	0	---	---	---
2330 distillate fuel oil	862	835	0	27	---
2340 residual fuel oil	1,392	1,354	0	38	---
2350 lube oil & greases	13	---	13	---	---
2410 petro. jelly & waxes	0	0	0	---	---
2429 naphtha & solvents	39	38	0	---	---
2430 asphalt, tar & pitch	1	---	1	---	---
2540 petroleum coke	346	291	55	---	---
2640 liquid natural gas	0	---	0	---	---
Total chemicals and related products	503	125	370	9	0
Subtotal fertilizers	2	0	2	---	---
3110 nitrogenous fert.	0	---	0	---	---
3120 phosphatic fert.	2	---	2	---	---
3130 potassic fert.	0	---	0	---	---
3190 fert. & mixes nec	0	0	0	---	---
Subtotal other chemicals and related products	501	125	368	9	0
3211 acyclic hydrocarbons	1	---	1	---	---
3212 benzene & toluene	0	---	0	---	---
3219 other hydrocarbons	4	2	1	---	---

JACKSONVILLE HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
3220 alcohols	4	0	4	—	—
3230 carboxylic acids	27	1	26	—	—
3240 nitrogen func. comp.	13	4	10	—	—
3250 organo - inorg. comp.	24	10	15	—	—
3260 organic comp. nec	3	1	3	—	—
3272 sulphuric acid	12	12	—	—	—
3273 ammonia	1	1	0	—	—
3274 sodium hydroxide	52	42	1	8	—
3275 inorg. elem.,oxides, & halogen salts	74	9	65	—	0
3276 metallic salts	88	5	83	—	—
3279 inorganic chem. nec	3	2	1	—	—
3282 pigments & paints	11	0	11	—	—
3283 coloring mat. nec	1	0	1	—	—
3284 medicines	7	0	7	—	—
3285 perfumes & cleansers	27	13	14	—	0
3286 plastics	98	13	85	—	0
3291 pesticides	15	6	10	—	—
3292 starches, gluten, glue	18	1	17	—	—
3293 explosives	0	—	0	0	—
3297 chemical additives	7	0	7	—	0
3298 wood & resin chem.	3	1	1	—	—
3299 chem. products nec	9	1	8	—	0
Total crude materials, inedible except fuels	1,965	897	93	967	8
Subtotal forest products, wood and chips	50	21	25	3	—
4110 rubber & gums	0	0	0	—	—
4150 fuel wood	2	—	2	—	—
4170 wood in the rough	2	—	2	—	—
4189 lumber	42	18	21	3	—
4190 forest products nec	3	3	0	—	—
Subtotal pulp and waste paper	294	242	52	—	—
4225 pulp & waste paper	294	242	52	—	—
Subtotal soil, sand, gravel, rock and stone	1,581	616	2	963	—
4310 building stone	0	0	0	—	—
4322 limestone	580	517	—	63	—
4323 gypsum	604	0	1	603	—
4331 sand & gravel	396	98	1	297	—
Subtotal iron ore and scrap	0	0	0	—	—
4420 iron & steel scrap	0	0	0	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—
Subtotal non-ferrous ores and scrap	7	5	2	—	—
4650 aluminum ore	2	2	0	—	—
4680 non-ferrous scrap	3	3	0	—	—
4690 non-ferrous ores nec	1	—	1	—	—
Subtotal sulphur, clay and salt	20	0	12	—	8
4741 sulphur, (dry)	0	—	0	—	—
4782 clay & refrac. mat.	20	0	12	—	8
Subtotal slag	0	—	0	—	—
4860 slag	0	—	0	—	—
Subtotal other non-metal. min.	14	13	0	—	—
4900 non-metal. min. nec	14	13	0	—	—
Total primary manufactured goods	1,039	875	164	0	0
Subtotal paper products	88	18	70	—	0
5110 newsprint	7	—	7	—	—
5120 paper & paperboard	66	16	50	—	0
5190 paper products nec	15	2	13	—	—
Subtotal lime, cement and glass	649	626	23	—	0
5220 cement & concrete	591	591	0	—	—
5240 glass & glass prod.	19	10	9	—	0
5290 misc. mineral prod.	39	25	13	—	—
Subtotal primary iron and steel products	200	195	4	—	—
5312 pig iron	0	—	0	—	—
5315 ferro alloys	10	10	—	—	—
5320 i&s primary forms	1	0	0	—	—
5330 i&s plates & sheets	20	19	1	—	—
5360 i&s bars & shapes	143	143	1	—	—
5370 i&s pipe & tube	5	4	2	—	—
5390 primary i&s nec	20	19	1	—	—
Subtotal primary non-ferrous metal products	87	26	60	0	0
5421 copper	1	0	0	—	—
5422 aluminum	61	7	53	—	—
5429 smelted prod. nec	0	0	0	—	—
5480 fab. metal products	25	18	7	0	0
Subtotal primary wood products	16	9	6	—	—
5540 primary wood prod.	16	9	6	—	—
Total food and farm products	671	241	428	3	0
Subtotal fish	9	7	2	—	—
6134 fish (not shellfish)	5	5	1	—	—
6136 shellfish	4	3	1	—	—

JACKSONVILLE HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports	Exports
Subtotal grain	21	7	14	—	—
6241 wheat	0	0	—	—	—
6344 corn	14	7	7	—	—
6442 rice	6	0	6	—	—
6445 oats	0	0	—	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	6	1	5	—	—
6521 peanuts	6	1	4	—	—
6590 oilseeds nec	0	0	0	—	—
Subtotal vegetable products	54	7	46	0	—
6653 vegetable oils	16	2	14	—	—
6654 vegetables & prod.	38	6	32	0	—
Subtotal processed grain and animal feed	48	7	40	—	—
6746 wheat flour	0	0	0	—	—
6747 grain mill products	14	7	7	—	—
6781 hay & fodder	1	—	1	—	—
6782 animal feed, prep.	33	0	33	—	—
Subtotal other agricultural products	534	211	321	3	0
6811 meat, fresh, frozen	223	1	222	—	0
6817 meat, prepared	12	8	4	—	—
6822 dairy products	4	1	3	—	—
6835 fish, prepared	0	0	0	—	—
6838 tallow, animal oils	1	0	1	—	—
6839 animals & prod. nec	2	2	1	—	—
6856 bananas & plantains	31	30	0	—	—
6857 fruit & nuts nec	35	20	15	—	—
6858 fruit juices	22	8	11	3	—
6861 sugar	4	2	2	—	0
6871 coffee	85	85	0	—	—
6872 cocoa beans	8	8	0	—	—
6885 alcoholic beverages	48	32	16	—	—
6888 water & ice	0	0	0	—	—
6889 food products nec	36	7	29	—	0
6891 tobacco & products	8	7	1	—	—
6893 cotton	11	0	11	—	—
6894 natural fibers nec	0	—	0	—	—
6899 farm products nec	5	0	5	—	—
Total all manufactured equipment, machinery and products	1,099	708	389	1	0
7110 machinery (not elec)	94	56	38	—	0
7120 electrical machinery	35	13	22	—	0
7210 vehicles & parts	778	558	219	1	0
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	3	0	3	0	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	11	3	8	—	—
7500 textile products	59	17	41	—	—
7600 rubber & plastic pr.	78	41	37	—	—
7900 manufac. prod. nec	42	21	21	—	0
Total unknown or not elsewhere classified	10	5	6	0	0
9900 unknown or nec	10	5	6	0	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	10,944	6,489	2,447	3	1,242	762
Total coal	0	—	0	—	—	—
1100 coal lignite	0	—	0	—	—	—
Total petroleum and petroleum products	7,431	5,492	16	—	1,161	762
Subtotal petroleum products	7,431	5,492	16	—	1,161	762
2211 gasoline	2,803	2,800	0	—	4	—
2221 kerosene	18	18	—	—	—	—
2330 distillate fuel oil	1,076	1,069	0	—	8	—
2340 residual fuel oil	2,648	735	0	—	1,150	762
2350 lube oil & greases	11	0	11	—	—	—
2410 petro. jelly & waxes	1	—	1	—	—	—
2429 naphtha & solvents	1	—	1	—	—	—
2430 asphalt, tar & pitch	181	181	0	—	—	—
2540 petroleum coke	687	687	0	—	—	—
2640 liquid natural gas	2	0	2	—	—	—
2990 petro. products nec	4	3	1	—	—	—
Total chemicals and related products	567	284	219	—	64	—
Subtotal fertilizers	5	0	4	—	—	—
3110 nitrogenous fert.	0	—	0	—	—	—

JACKSONVILLE HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
3120 phosphatic fert.	0	—	0	—	—	—
3130 potassic fert.	1	0	1	—	—	—
3190 fert. & mixes nec	3	0	3	—	—	—
Subtotal other chemicals and related products	563	284	215	—	64	—
3211 acyclic hydrocarbons	0	—	0	—	—	—
3212 benzene & toluene	0	—	0	—	—	—
3219 other hydrocarbons	1	0	1	—	—	—
3220 alcohols	6	1	5	—	—	—
3230 carboxylic acids	8	0	7	—	—	—
3240 nitrogen func. comp.	1	—	1	—	—	—
3250 organo - inorg. comp.	1	0	1	—	—	—
3260 organic comp. nec	4	0	3	—	—	—
3272 sulphuric acid	0	—	0	—	—	—
3273 ammonia	0	—	0	—	—	—
3274 sodium hydroxide	244	162	18	—	64	—
3275 inorg. elem., oxides, & halogen salts	20	3	17	—	—	—
3276 metallic salts	3	0	3	—	—	—
3279 inorganic chem. nec	1	0	1	—	—	—
3281 radioactive material	0	—	0	—	—	—
3282 pigments & paints	22	0	22	—	—	—
3283 coloring mat. nec	0	—	0	—	—	—
3284 medicines	59	27	31	—	—	—
3285 perfumes & cleansers	51	10	40	—	—	—
3286 plastics	30	0	29	—	—	—
3291 pesticides	14	6	8	—	—	—
3292 starches, gluten, glue	7	0	7	—	—	—
3293 explosives	0	—	0	—	—	—
3297 chemical additives	25	25	0	—	—	—
3298 wood & resin chem.	33	26	7	—	—	—
3299 chem. products nec	34	21	13	—	—	—
Total crude materials, inedible except fuels	62	13	48	—	—	—
Subtotal forest products, wood and chips	28	3	25	—	—	—
4110 rubber & gums	3	1	1	—	—	—
4150 fuel wood	0	—	0	—	—	—
4161 wood chips	0	—	0	—	—	—
4170 wood in the rough	3	0	3	—	—	—
4189 lumber	19	1	18	—	—	—
4190 forest products nec	3	0	2	—	—	—
Subtotal pulp and waste paper	13	8	5	—	—	—
4225 pulp & waste paper	13	8	5	—	—	—
Subtotal soil, sand, gravel, rock and stone	9	—	9	—	—	—
4322 limestone	2	—	2	—	—	—
4323 gypsum	1	—	1	—	—	—
4327 phosphate rock	0	—	0	—	—	—
4331 sand & gravel	6	—	6	—	—	—
Subtotal iron ore and scrap	2	1	1	—	—	—
4420 iron & steel scrap	2	1	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	—	—	—
4690 non-ferrous ores nec	0	—	0	—	—	—
Subtotal sulphur, clay and salt	2	0	2	—	—	—
4741 sulphur, (dry)	0	—	0	—	—	—
4782 clay & refrac. mat.	2	0	2	—	—	—
Subtotal slag	0	—	0	—	—	—
4860 slag	0	—	0	—	—	—
Subtotal other non-metal. min.	5	—	5	—	—	—
4900 non-metal. min. nec	5	—	5	—	—	—
Total primary manufactured goods	549	211	320	2	17	—
Subtotal paper products	169	7	162	—	—	—
5110 newsprint	6	0	6	—	—	—
5120 paper & paperboard	113	4	109	—	—	—
5190 paper products nec	50	3	47	—	—	—
Subtotal lime, cement and glass	210	129	63	1	17	—
5210 lime	0	0	—	—	—	—
5220 cement & concrete	132	127	4	—	—	—
5240 glass & glass prod.	18	1	17	—	—	—
5290 misc. mineral prod.	60	1	41	1	17	—
Subtotal primary iron and steel products	22	2	21	—	—	—
5312 pig iron	1	0	1	—	—	—
5320 i&s primary forms	0	—	0	—	—	—
5330 i&s plates & sheets	2	0	2	—	—	—
5360 i&s bars & shapes	6	2	5	—	—	—
5370 i&s pipe & tube	11	0	11	—	—	—
5390 primary i&s nec	2	0	2	—	—	—
Subtotal primary non-ferrous metal products	132	73	59	1	0	—
5421 copper	3	0	3	—	—	—

JACKSONVILLE HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
5422 aluminum	11	0	10	—	—	—
5429 smelted prod. nec	2	—	2	—	—	—
5480 fab. metal products	117	72	44	1	0	—
Subtotal primary wood products	16	0	16	—	—	—
5540 primary wood prod.	16	0	16	—	—	—
Total food and farm products	932	148	782	2	—	—
Subtotal fish	5	1	2	2	—	—
6134 fish (not shellfish)	2	1	1	1	—	—
6136 shellfish	2	0	1	1	—	—
Subtotal grain	18	—	18	—	—	—
6241 wheat	0	—	0	—	—	—
6344 corn	1	—	1	—	—	—
6442 rice	17	—	17	—	—	—
6445 oats	0	—	0	—	—	—
Subtotal oilseeds	15	5	10	—	—	—
6521 peanuts	0	—	0	—	—	—
6522 soybeans	1	—	1	—	—	—
6590 oilseeds nec	14	5	9	—	—	—
Subtotal vegetable products	96	2	94	—	—	—
6653 vegetable oils	24	0	24	—	—	—
6654 vegetables & prod.	72	2	70	—	—	—
Subtotal processed grain and animal feed	53	0	52	—	—	—
6746 wheat flour	1	—	1	—	—	—
6747 grain mill products	19	0	19	—	—	—
6781 hay & fodder	1	—	1	—	—	—
6782 animal feed, prep.	31	—	31	—	—	—
Subtotal other agricultural products	746	140	606	—	—	—
6811 meat, fresh, frozen	84	2	82	—	—	—
6817 meat, prepared	31	0	31	—	—	—
6822 dairy products	29	0	29	—	—	—
6835 fish, prepared	17	16	1	—	—	—
6838 tallow, animal oils	1	—	1	—	—	—
6839 animals & prod. nec	9	0	9	—	—	—
6856 bananas & plantains	0	—	0	—	—	—
6857 fruit & nuts nec	42	7	36	—	—	—
6858 fruit juices	15	0	15	—	—	—
6861 sugar	18	—	18	—	—	—
6865 molasses	1	0	1	—	—	—
6871 coffee	15	3	12	—	—	—
6872 cocoa beans	1	1	—	—	—	—
6885 alcoholic beverages	128	33	95	—	—	—
6887 groceries	90	53	38	—	—	—
6888 water & ice	24	0	24	—	—	—
6889 food products nec	224	23	201	—	—	—
6891 tobacco & products	10	2	7	—	—	—
6893 cotton	0	0	0	—	—	—
6894 natural fibers nec	0	—	0	—	—	—
6899 farm products nec	5	0	5	—	—	—
Total all manufactured equipment, machinery and products	1,402	341	1,061	—	—	—
7110 machinery (not elec)	31	7	24	—	—	—
7120 electrical machinery	75	26	49	—	—	—
7210 vehicles & parts	102	6	96	—	—	—
7220 aircraft & parts	0	0	0	—	—	—
7230 ships & boats	0	0	0	—	—	—
7300 ordnance & access.	0	0	0	—	—	—
7400 manufac. wood prod.	11	3	8	—	—	—
7500 textile products	62	23	39	—	—	—
7600 rubber & plastic pr.	29	4	25	—	—	—
7800 empty containers	1	0	0	—	—	—
7900 manufac. prod. nec	1,091	272	819	—	—	—
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 107 (x1000) tons of foreign inbound in-transits; Includes 17 (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
1989	673	1992	823	1995	527	1998	855
1990	707	1993	1,220	1996	703		
1991	891	1994	1,068	1997	640		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal		
		Inbound Upbound	Outbound Downbnd	Through Upbound
Total, all commodities	855	704	1	150
Total petroleum and petroleum products	851	701	—	150
Subtotal petroleum products	851	701	—	150
2340 residual fuel oil	851	701	—	150
Total crude materials, inedible except fuels	1	—	1	—
Subtotal non-ferrous ores and scrap	1	—	1	—
4690 non-ferrous ores nec	1	—	1	—
Total primary manufactured goods	2	2	—	—
Subtotal lime, cement and glass	1	1	—	—
5290 misc. mineral prod.	1	1	—	—
Subtotal primary iron and steel products	1	1	—	—
5360 i&s bars & shapes	1	1	—	—
Total food and farm products	0	—	0	—
Subtotal fish	0	—	0	—
6134 fish (not shellfish)	0	—	0	—
Ton-miles (x1000)	103,214	95,528	35	7,652
Tons All Traffic (x1000)	855			
Ton-miles All Traffic (x1000)	103,214			

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
1989	537	1992	765	1995	435	1998	694
1990	817	1993	1,029	1996	585		
1991	713	1994	1,145	1997	424		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Coastwise	
		Through Upbound	Downbnd
Total, all commodities	76	11	65
Total petroleum and petroleum products	71	8	63
Subtotal petroleum products	71	8	63
2330 distillate fuel oil	2	—	2
2340 residual fuel oil	64	8	55
2640 liquid natural gas	6	—	6
Total primary manufactured goods	5	2	2
Subtotal lime, cement and glass	2	—	2
5290 misc. mineral prod.	2	—	2
Subtotal primary non-ferrous metal products	3	2	0
5480 fab. metal products	3	2	0

INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Coastwise	
		Through	
		Upbound	Downbnd
Ton-miles (x1000) Coastwise	14,419	838	13,582

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Upbound	Downbnd	Intra Upbound
Total, all commodities	618	528	3	22	51	10	3
Total petroleum and petroleum products	578	528	---	---	50	---	---
Subtotal petroleum products	578	528	---	---	50	---	---
2340 residual fuel oil	578	528	---	---	50	---	---
Total crude materials, inedible except fuels	20	---	---	20	---	0	---
Subtotal forest products, wood and chips	0	---	---	---	---	0	---
4189 lumber	0	---	---	---	---	0	---
Subtotal soil, sand, gravel, rock and stone	20	---	---	20	---	---	---
4335 waterway improv. mat	20	---	---	20	---	---	---
Total primary manufactured goods	12	---	1	0	1	10	---
Subtotal lime, cement and glass	12	---	1	0	1	10	---
5290 misc. mineral prod.	12	---	1	0	1	10	---
Subtotal primary non-ferrous metal products	0	---	---	---	---	0	---
5480 fab. metal products	0	---	---	---	---	0	---
Total food and farm products	8	1	2	1	1	---	3
Subtotal fish	7	1	2	1	1	---	3
6134 fish (not shellfish)	4	1	1	0	0	---	2
6136 shellfish	3	0	0	1	1	---	1
Subtotal other agricultural products	0	---	0	---	---	---	---
6888 water & ice	0	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	0	---	---	---	---	0	---
7400 manufac. wood prod.	0	---	---	---	---	0	---
Ton-miles (x1000) Internal	10,428	1,583	104	130	6,662	1,911	37
Tons All Traffic (x1000)	694						
Ton-miles All Traffic (x1000)	24,851						

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
1989	2,317	1992	2,968	1995	2,817	1998	3,795
1990	2,992	1993	3,454	1996	3,567		
1991	3,004	1994	3,625	1997	3,147		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
Total, all commodities	2,216	1,648	271	295	1
Total petroleum and petroleum products	588	530	0	57	---
Subtotal petroleum products	588	530	0	57	---
2211 gasoline	27	---	---	27	---
2330 distillate fuel oil	149	149	---	---	---
2340 residual fuel oil	390	360	---	30	---

CANAVERAL HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
2350 lube oil & greases	0	—	0	—	—
2429 naphtha & solvents	0	—	0	—	—
2540 petroleum coke	21	21	—	—	—
Total chemicals and related products	3	1	2	—	—
Subtotal other chemicals and related products	3	1	2	—	—
3219 other hydrocarbons	0	—	0	—	—
3230 carboxylic acids	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	0	—	—
3283 coloring mat. nec	0	—	0	—	—
3284 medicines	0	—	0	—	—
3285 perfumes & cleansers	2	1	1	—	—
3286 plastics	0	—	0	—	—
3299 chem. products nec	1	—	1	—	—
Total crude materials, inedible except fuels	331	296	1	32	1
Subtotal forest products, wood and chips	33	—	0	32	—
4189 lumber	33	—	0	32	—
4190 forest products nec	0	—	0	—	—
Subtotal pulp and waste paper	1	—	—	—	1
4225 pulp & waste paper	1	—	—	—	1
Subtotal soil, sand, gravel, rock and stone	1	—	1	—	—
4331 sand & gravel	1	—	1	—	—
Subtotal slag	17	17	—	—	—
4860 slag	17	17	—	—	—
Subtotal other non-metal. min.	279	279	—	—	—
4900 non-metal. min. nec	279	279	—	—	—
Total primary manufactured goods	935	727	2	206	—
Subtotal paper products	218	13	0	206	—
5110 newsprint	217	11	—	206	—
5120 paper & paperboard	1	1	0	—	—
5190 paper products nec	0	0	0	—	—
Subtotal lime, cement and glass	692	690	2	—	—
5220 cement & concrete	691	690	1	—	—
5240 glass & glass prod.	0	0	—	—	—
5290 misc. mineral prod.	1	0	1	—	—
Subtotal primary iron and steel products	24	24	0	—	—
5330 i&s plates & sheets	1	1	0	—	—
5360 i&s bars & shapes	23	23	0	—	—
5370 i&s pipe & tube	0	0	0	—	—
5390 primary i&s nec	0	—	0	—	—
Subtotal primary non-ferrous metal products	1	1	0	0	—
5421 copper	0	—	0	—	—
5422 aluminum	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	350	93	258	—	—
Subtotal fish	0	—	0	—	—
6136 shellfish	0	—	0	—	—
Subtotal grain	0	—	0	—	—
6344 corn	0	—	0	—	—
6442 rice	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	0	—	—
6747 grain mill products	0	—	0	—	—
6781 hay & fodder	5	5	—	—	—
6782 animal feed, prep.	0	—	0	—	—
Subtotal other agricultural products	345	88	257	—	—
6811 meat, fresh, frozen	43	—	43	—	—
6817 meat, prepared	17	—	17	—	—
6835 fish, prepared	0	—	0	—	—
6838 tallow, animal oils	0	—	0	—	—
6856 bananas & plantains	29	29	—	—	—
6857 fruit & nuts nec	129	27	102	—	—
6858 fruit juices	126	31	95	—	—
6872 cocoa beans	0	0	—	—	—
6885 alcoholic beverages	0	0	—	—	—
6889 food products nec	0	—	0	—	—
Total all manufactured equipment, machinery and products	9	1	8	—	—
7110 machinery (not elec)	0	0	0	—	—
7120 electrical machinery	0	0	0	—	—
7210 vehicles & parts	6	—	6	—	—
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	1	0	1	—	—

CANAVERAL HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports*
7400 manufac. wood prod.	1	1	0	—	—
7500 textile products	0	—	0	—	—
7600 rubber & plastic pr.	0	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	1,579	988	30	33	528
Total petroleum and petroleum products	1,549	988	2	32	528
Subtotal petroleum products	1,549	988	2	32	528
2211 gasoline	343	343	—	—	—
2330 distillate fuel oil	128	127	2	—	—
2340 residual fuel oil	1,011	451	—	32	528
2430 asphalt, tar & pitch	66	66	—	—	—
Total crude materials, inedible except fuels	28	—	28	—	—
Subtotal iron ore and scrap	28	—	28	—	—
4420 iron & steel scrap	28	—	28	—	—
Total primary manufactured goods	0	0	—	0	—
Subtotal primary non-ferrous metal products	0	0	—	0	—
5480 fab. metal products	0	0	—	0	—
Total food and farm products	1	—	—	1	—
Subtotal fish	1	—	—	1	—
6134 fish (not shellfish)	0	—	—	0	—
6136 shellfish	1	—	—	1	—

*Includes 1 (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 1 (x1000) tons of Canadian outbound 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
1989	2,519	1992	2,646	1995	2,972	1998	3,149
1990	2,466	1993	2,816	1996	2,294		
1991	2,075	1994	2,884	1997	2,922		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports*	Exports*	Total	Coastwise		Internal
					Receipts	Shipments	
Total, all commodities	3,149	315	676	2,158	1,087	1,071	1
Total coal	0	—	0	—	—	—	—
1100 coal lignite	0	—	0	—	—	—	—
Total petroleum and petroleum products	1,092	0	5	1,087	1,087	—	0
Subtotal petroleum products	1,092	0	5	1,087	1,087	—	0
2211 gasoline	2	—	2	—	—	—	—
2221 kerosene	0	—	0	—	—	—	—
2330 distillate fuel oil	0	—	0	0	—	—	0
2340 residual fuel oil	1,087	—	0	1,087	1,087	—	—
2350 lube oil & greases	0	—	0	—	—	—	—
2410 petro. jelly & waxes	0	0	0	—	—	—	—
2429 naphtha & solvents	2	0	2	—	—	—	—

PALM BEACH HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports*	Exports*	Total	Coastwise		Internal Receipts
					Receipts	Shipments	
2430 asphalt, tar & pitch	0	—	0	—	—	—	
2540 petroleum coke	0	0	0	—	—	—	
2640 liquid natural gas	1	—	1	—	—	—	
Total chemicals and related products	58	24	34	—	—	—	
Subtotal fertilizers	9	2	7	—	—	—	
3110 nitrogenous fert.	5	1	4	—	—	—	
3120 phosphatic fert.	0	—	0	—	—	—	
3130 potassic fert.	0	—	0	—	—	—	
3190 fert. & mixes nec	4	1	3	—	—	—	
Subtotal other chemicals and related products	49	23	26	—	—	—	
3211 acyclic hydrocarbons	0	—	0	—	—	—	
3212 benzene & toluene	0	—	0	—	—	—	
3219 other hydrocarbons	6	0	6	—	—	—	
3220 alcohols	2	1	1	—	—	—	
3230 carboxylic acids	0	0	0	—	—	—	
3240 nitrogen func. comp.	1	0	1	—	—	—	
3250 organo - inorg. comp.	0	0	0	—	—	—	
3260 organic comp. nec	0	0	0	—	—	—	
3272 sulphuric acid	0	0	0	—	—	—	
3273 ammonia	0	0	0	—	—	—	
3274 sodium hydroxide	0	0	0	—	—	—	
3275 inorg. elem., oxides, & halogen salts	1	0	1	—	—	—	
3276 metallic salts	1	1	1	—	—	—	
3279 inorganic chem. nec	0	—	0	—	—	—	
3282 pigments & paints	3	0	3	—	—	—	
3283 coloring mat. nec	0	—	0	—	—	—	
3284 medicines	0	0	0	—	—	—	
3285 perfumes & cleansers	7	1	6	—	—	—	
3286 plastics	20	17	3	—	—	—	
3291 pesticides	1	0	1	—	—	—	
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	3	2	1	—	—	—	
Total crude materials, inedible except fuels	53	1	52	—	—	—	
Subtotal forest products, wood and chips	25	0	24	—	—	—	
4110 rubber & gums	0	—	0	—	—	—	
4150 fuel wood	0	—	0	—	—	—	
4161 wood chips	1	—	1	—	—	—	
4170 wood in the rough	9	0	9	—	—	—	
4189 lumber	13	—	13	—	—	—	
4190 forest products nec	1	0	0	—	—	—	
Subtotal pulp and waste paper	3	—	3	—	—	—	
4225 pulp & waste paper	3	—	3	—	—	—	
Subtotal soil, sand, gravel, rock and stone	23	0	23	—	—	—	
4310 building stone	6	0	6	—	—	—	
4322 limestone	1	—	1	—	—	—	
4323 gypsum	12	—	12	—	—	—	
4331 sand & gravel	4	0	4	—	—	—	
Subtotal iron ore and scrap	1	—	1	—	—	—	
4420 iron & steel scrap	1	—	1	—	—	—	
Subtotal marine shells	0	—	0	—	—	—	
4515 marine shells	0	—	0	—	—	—	
Subtotal non-ferrous ores and scrap	1	0	0	—	—	—	
4630 copper ore	0	—	0	—	—	—	
4650 aluminum ore	0	—	0	—	—	—	
4680 non-ferrous scrap	1	0	0	—	—	—	
Subtotal sulphur, clay and salt	0	—	0	—	—	—	
4782 clay & refrac. mat.	0	—	0	—	—	—	
Subtotal other non-metal. min.	1	—	1	—	—	—	
4900 non-metal. min. nec	1	—	1	—	—	—	
Total primary manufactured goods	272	182	90	—	—	—	
Subtotal paper products	26	0	26	—	—	—	
5110 newsprint	1	—	1	—	—	—	
5120 paper & paperboard	13	0	13	—	—	—	
5190 paper products nec	13	0	13	—	—	—	
Subtotal lime, cement and glass	221	180	41	—	—	—	
5220 cement & concrete	191	178	13	—	—	—	
5240 glass & glass prod.	7	0	6	—	—	—	
5290 misc. mineral prod.	24	2	22	—	—	—	
Subtotal primary iron and steel products	7	0	7	—	—	—	
5312 pig iron	0	—	0	—	—	—	
5320 i&s primary forms	1	—	1	—	—	—	
5330 i&s plates & sheets	0	—	0	—	—	—	

PALM BEACH HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports*	Exports*	Total	Coastwise		Internal Receipts
					Receipts	Shipments	
5360 i&s bars & shapes	3	0	3	—	—	—	
5370 i&s pipe & tube	1	0	1	—	—	—	
5390 primary i&s nec	1	0	1	—	—	—	
Subtotal primary non-ferrous metal products	15	2	13	—	—	—	
5421 copper	2	2	1	—	—	—	
5422 aluminum	1	—	1	—	—	—	
5429 smelted prod. nec	0	—	0	—	—	—	
5480 fab. metal products	12	1	12	—	—	—	
Subtotal primary wood products	3	—	3	—	—	—	
5540 primary wood prod.	3	—	3	—	—	—	
Total food and farm products	1,541	68	402	1,072	—	1,071	
Subtotal fish	5	2	2	1	—	1	
6134 fish (not shellfish)	2	0	2	1	—	1	
6136 shellfish	2	2	0	0	—	0	
Subtotal grain	9	0	9	—	—	—	
6241 wheat	0	0	0	—	—	—	
6344 corn	2	—	2	—	—	—	
6442 rice	7	0	7	—	—	—	
6445 oats	0	—	0	—	—	—	
Subtotal oilseeds	0	—	0	—	—	—	
6521 peanuts	0	—	0	—	—	—	
6590 oilseeds nec	0	—	0	—	—	—	
Subtotal vegetable products	31	3	28	—	—	—	
6653 vegetable oils	13	0	13	—	—	—	
6654 vegetables & prod.	18	3	15	—	—	—	
Subtotal processed grain and animal feed	57	1	56	—	—	—	
6746 wheat flour	7	0	7	—	—	—	
6747 grain mill products	8	0	8	—	—	—	
6781 hay & fodder	0	—	0	—	—	—	
6782 animal feed, prep.	41	0	41	—	—	—	
Subtotal other agricultural products	1,440	62	308	1,071	—	1,071	
6811 meat, fresh, frozen	40	0	40	—	—	—	
6817 meat, prepared	3	0	2	—	—	—	
6822 dairy products	18	1	18	—	—	—	
6835 fish, prepared	1	0	1	—	—	—	
6838 tallow, animal oils	3	3	0	—	—	—	
6839 animals & prod. nec	3	0	3	—	—	—	
6856 bananas & plantains	0	—	0	—	—	—	
6857 fruit & nuts nec	46	42	4	—	—	—	
6858 fruit juices	15	2	14	—	—	—	
6861 sugar	1,044	0	5	1,038	—	1,038	
6865 molasses	173	—	140	33	—	33	
6871 coffee	2	2	0	—	—	—	
6872 cocoa beans	2	2	0	—	—	—	
6885 alcoholic beverages	21	6	15	—	—	—	
6888 water & ice	3	0	2	0	—	0	
6889 food products nec	58	1	58	—	—	—	
6891 tobacco & products	3	3	0	—	—	—	
6893 cotton	0	0	0	—	—	—	
6894 natural fibers nec	0	—	0	—	—	—	
6899 farm products nec	5	0	5	—	—	—	
Total all manufactured equipment, machinery and products	119	36	83	—	—	—	
7110 machinery (not elec)	9	1	8	—	—	—	
7120 electrical machinery	11	2	9	—	—	—	
7210 vehicles & parts	9	0	9	—	—	—	
7220 aircraft & parts	0	0	0	—	—	—	
7230 ships & boats	1	0	1	—	—	—	
7300 ordnance & access.	0	—	0	—	—	—	
7400 manufac. wood prod.	8	0	8	—	—	—	
7500 textile products	59	28	30	—	—	—	
7600 rubber & plastic pr.	6	1	5	—	—	—	
7900 manufac. prod. nec	16	3	13	—	—	—	
Total unknown or not elsewhere classified	13	4	9	—	—	—	
9900 unknown or nec	13	4	9	—	—	—	

*Includes 27 (x1000) tons of foreign inbound in-transits; Includes 106 (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
1989	14,685	1992	14,508	1995	18,367	1998	21,782
1990	14,145	1993	16,297	1996	18,897		
1991	14,499	1994	18,135	1997	19,925		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal	
		Imports*	Exports*	Imports	Total	Coastwise		Receipts	Shipments
						Receipts	Shipments		
Total, all commodities	21,782	6,936	1,990	189	12,667	12,170	471	18	9
Total coal	48	45	3	—	—	—	—	—	—
1100 coal lignite	48	45	2	—	—	—	—	—	—
1200 coal coke	0	—	0	—	—	—	—	—	—
Total petroleum and petroleum products	15,853	3,142	102	89	12,520	12,170	324	18	9
Subtotal crude petroleum	320	45	0	—	275	13	262	—	—
2100 crude petroleum	320	45	0	—	275	13	262	—	—
Subtotal petroleum products	15,533	3,097	102	89	12,245	12,157	62	18	9
2211 gasoline	9,471	485	2	—	8,985	8,985	—	—	—
2221 kerosene	1,828	1,827	0	—	—	—	—	—	—
2330 distillate fuel oil	2,200	145	64	30	1,961	1,957	4	—	—
2340 residual fuel oil	1,492	507	13	47	925	869	30	18	9
2350 lube oil & greases	9	0	9	—	—	—	—	—	—
2410 petro. jelly & waxes	2	1	1	—	—	—	—	—	—
2429 naphtha & solvents	4	1	4	—	—	—	—	—	—
2430 asphalt, tar & pitch	130	—	1	—	129	100	28	—	—
2540 petroleum coke	150	132	6	12	—	—	—	—	—
2640 liquid natural gas	248	—	2	—	245	245	—	—	—
Total chemicals and related products	242	81	161	—	—	—	—	—	—
Subtotal fertilizers	16	0	16	—	—	—	—	—	—
3110 nitrogenous fert.	1	0	1	—	—	—	—	—	—
3120 phosphatic fert.	0	0	0	—	—	—	—	—	—
3130 potassic fert.	1	—	1	—	—	—	—	—	—
3190 fert. & mixes nec	14	0	13	—	—	—	—	—	—
Subtotal other chemicals and related products	226	81	145	—	—	—	—	—	—
3211 acyclic hydrocarbons	0	—	0	—	—	—	—	—	—
3212 benzene & toluene	0	—	0	—	—	—	—	—	—
3219 other hydrocarbons	4	2	1	—	—	—	—	—	—
3220 alcohols	5	1	3	—	—	—	—	—	—
3230 carboxylic acids	10	3	7	—	—	—	—	—	—
3240 nitrogen func. comp.	3	1	2	—	—	—	—	—	—
3250 organo - inorg. comp.	1	0	1	—	—	—	—	—	—
3260 organic comp. nec	2	0	1	—	—	—	—	—	—

PORT EVERGLADES HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
3271 sulphur (liquid)	0	—	0	—	—	—	—	—	—
3272 sulphuric acid	0	0	0	—	—	—	—	—	—
3273 ammonia	0	0	0	—	—	—	—	—	—
3274 sodium hydroxide	5	0	4	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	15	7	8	—	—	—	—	—	—
3276 metallic salts	13	7	6	—	—	—	—	—	—
3279 inorganic chem. nec	3	2	1	—	—	—	—	—	—
3281 radioactive material	0	0	0	—	—	—	—	—	—
3282 pigments & paints	20	2	19	—	—	—	—	—	—
3283 coloring mat. nec	2	0	2	—	—	—	—	—	—
3284 medicines	8	2	6	—	—	—	—	—	—
3285 perfumes & cleansers	39	14	25	—	—	—	—	—	—
3286 plastics	61	26	35	—	—	—	—	—	—
3291 pesticides	10	4	6	—	—	—	—	—	—
3292 starches, gluten, glue	8	4	4	—	—	—	—	—	—
3293 explosives	0	0	0	—	—	—	—	—	—
3297 chemical additives	4	1	4	—	—	—	—	—	—
3298 wood & resin chem.	1	0	1	—	—	—	—	—	—
3299 chem. products nec	10	3	8	—	—	—	—	—	—
Total crude materials, inedible except fuels	724	410	215	99	—	—	—	—	—
Subtotal forest products, wood and chips	120	43	54	24	—	—	—	—	—
4110 rubber & gums	1	1	1	—	—	—	—	—	—
4150 fuel wood	1	0	1	—	—	—	—	—	—
4161 wood chips	4	1	3	—	—	—	—	—	—
4170 wood in the rough	7	1	6	—	—	—	—	—	—
4189 lumber	104	38	42	24	—	—	—	—	—
4190 forest products nec	2	2	1	—	—	—	—	—	—
Subtotal pulp and waste paper	39	1	39	—	—	—	—	—	—
4225 pulp & waste paper	39	1	39	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	254	77	101	76	—	—	—	—	—
4310 building stone	3	1	2	—	—	—	—	—	—
4322 limestone	0	0	0	—	—	—	—	—	—
4323 gypsum	156	75	5	76	—	—	—	—	—
4327 phosphate rock	1	—	1	—	—	—	—	—	—
4331 sand & gravel	93	0	93	—	—	—	—	—	—
Subtotal iron ore and scrap	1	1	1	—	—	—	—	—	—
4410 iron ore	0	—	0	—	—	—	—	—	—
4420 iron & steel scrap	1	1	1	—	—	—	—	—	—
Subtotal marine shells	0	0	0	—	—	—	—	—	—
4515 marine shells	0	0	0	—	—	—	—	—	—
Subtotal non-ferrous ores and scrap	41	38	3	—	—	—	—	—	—
4630 copper ore	0	—	0	—	—	—	—	—	—
4650 aluminum ore	1	0	1	—	—	—	—	—	—
4680 non-ferrous scrap	38	37	1	—	—	—	—	—	—
4690 non-ferrous ores nec	2	0	2	—	—	—	—	—	—

PORT EVERGLADES HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Subtotal sulphur, clay and salt	5	0	5	---	---	---	---	---	---
4741 sulphur, (dry)	1	0	1	---	---	---	---	---	---
4782 clay & refrac. mat.	5	0	4	---	---	---	---	---	---
Subtotal slag	195	195	0	---	---	---	---	---	---
4860 slag	195	195	0	---	---	---	---	---	---
Subtotal other non-metal. min.	67	55	12	---	---	---	---	---	---
4900 non-metal. min. nec	67	55	12	---	---	---	---	---	---
Total primary manufactured goods	2,365	2,020	307	0	38	---	38	---	---
Subtotal paper products	148	43	105	---	---	---	---	---	---
5110 newsprint	3	0	3	---	---	---	---	---	---
5120 paper & paperboard	100	35	65	---	---	---	---	---	---
5190 paper products nec	44	7	37	---	---	---	---	---	---
Subtotal lime, cement and glass	1,805	1,716	89	---	---	---	---	---	---
5210 lime	3	3	0	---	---	---	---	---	---
5220 cement & concrete	1,619	1,605	14	---	---	---	---	---	---
5240 glass & glass prod.	42	22	20	---	---	---	---	---	---
5290 misc. mineral prod.	140	86	54	---	---	---	---	---	---
Subtotal primary iron and steel products	233	207	26	---	---	---	---	---	---
5312 pig iron	0	---	0	---	---	---	---	---	---
5315 ferro alloys	0	0	0	---	---	---	---	---	---
5320 i&s primary forms	3	0	2	---	---	---	---	---	---
5330 i&s plates & sheets	56	52	4	---	---	---	---	---	---
5360 i&s bars & shapes	162	150	12	---	---	---	---	---	---
5370 i&s pipe & tube	8	2	5	---	---	---	---	---	---
5390 primary i&s nec	5	2	2	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	134	32	64	0	38	---	38	---	---
5421 copper	2	1	2	---	---	---	---	---	---
5422 aluminum	18	9	9	---	---	---	---	---	---
5429 smelted prod. nec	2	2	0	---	---	---	---	---	---
5480 fab. metal products	112	20	54	0	38	---	38	---	---
Subtotal primary wood products	44	22	22	---	---	---	---	---	---
5540 primary wood prod.	44	22	22	---	---	---	---	---	---
Total food and farm products	1,240	777	463	0	---	---	---	---	---
Subtotal fish	63	52	11	---	---	---	---	---	---
6134 fish (not shellfish)	21	14	7	---	---	---	---	---	---
6136 shellfish	42	38	4	---	---	---	---	---	---
Subtotal grain	20	0	20	---	---	---	---	---	---
6241 wheat	0	0	---	---	---	---	---	---	---
6344 corn	16	0	16	---	---	---	---	---	---
6442 rice	4	0	4	---	---	---	---	---	---
6443 barley & rye	0	0	0	---	---	---	---	---	---
6445 oats	0	0	0	---	---	---	---	---	---
6447 sorghum grains	0	---	0	---	---	---	---	---	---
Subtotal oilseeds	17	16	1	---	---	---	---	---	---
6521 peanuts	3	2	1	---	---	---	---	---	---
6522 soybeans	0	0	0	---	---	---	---	---	---
6590 oilseeds nec	14	13	1	---	---	---	---	---	---

PORT EVERGLADES HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports*	Exports*	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Subtotal vegetable products	166	94	73	---	---	---	---	---	---
6653 vegetable oils	16	1	15	---	---	---	---	---	---
6654 vegetables & prod.	151	93	58	---	---	---	---	---	---
Subtotal processed grain and animal feed	86	11	76	---	---	---	---	---	---
6746 wheat flour	4	0	4	---	---	---	---	---	---
6747 grain mill products	26	10	16	---	---	---	---	---	---
6781 hay & fodder	3	---	3	---	---	---	---	---	---
6782 animal feed, prep.	53	1	53	---	---	---	---	---	---
Subtotal other agricultural products	888	605	283	0	---	---	---	---	---
6811 meat, fresh, frozen	69	13	56	0	---	---	---	---	---
6817 meat, prepared	9	2	7	---	---	---	---	---	---
6822 dairy products	44	29	16	---	---	---	---	---	---
6835 fish, prepared	6	3	3	---	---	---	---	---	---
6838 tallow, animal oils	21	0	21	---	---	---	---	---	---
6839 animals & prod. nec	2	2	1	---	---	---	---	---	---
6856 bananas & plantains	63	63	0	---	---	---	---	---	---
6857 fruit & nuts nec	157	145	12	---	---	---	---	---	---
6858 fruit juices	50	28	22	0	---	---	---	---	---
6861 sugar	8	4	4	---	---	---	---	---	---
6865 molasses	0	---	0	---	---	---	---	---	---
6871 coffee	136	114	22	---	---	---	---	---	---
6872 cocoa beans	1	1	1	---	---	---	---	---	---
6885 alcoholic beverages	156	127	28	---	---	---	---	---	---
6888 water & ice	23	22	1	---	---	---	---	---	---
6889 food products nec	107	33	74	---	---	---	---	---	---
6891 tobacco & products	15	11	4	---	---	---	---	---	---
6893 cotton	4	1	3	---	---	---	---	---	---
6894 natural fibers nec	1	0	0	---	---	---	---	---	---
6899 farm products nec	16	7	8	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	1,233	440	683	1	109	---	109	---	---
7110 machinery (not elec)	154	33	121	0	---	---	---	---	---
7120 electrical machinery	144	29	116	---	---	---	---	---	---
7210 vehicles & parts	113	26	87	0	---	---	---	---	---
7220 aircraft & parts	0	0	0	---	---	---	---	---	---
7230 ships & boats	21	16	5	0	---	---	---	---	---
7300 ordnance & access.	1	0	1	---	---	---	---	---	---
7400 manufac. wood prod.	46	13	33	---	---	---	---	---	---
7500 textile products	438	249	189	0	---	---	---	---	---
7600 rubber & plastic pr.	77	21	56	0	---	---	---	---	---
7900 manufac. prod. nec	238	53	76	---	109	---	109	---	---
Total unknown or not elsewhere classified	78	22	55	0	---	---	---	---	---
9900 unknown or nec	78	22	55	0	---	---	---	---	---

*Includes 407 (x1000) tons of foreign inbound in-transits; Includes 284 (x1000) tons of foreign outbound 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
1989	4,493	1992	6,451	1995	6,579	1998	7,392
1990	4,296	1993	6,696	1996	5,719		
1991	4,720	1994	6,517	1997	6,612		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
Total, all commodities	5,696	2,961	2,585	147	3
Total coal	3	0	3	—	—
1100 coal lignite	3	0	2	—	—
1200 coal coke	0	—	0	—	—
Total petroleum and petroleum products	558	411	41	106	0
Subtotal crude petroleum	36	35	1	—	—
2100 crude petroleum	36	35	1	—	—
Subtotal petroleum products	522	375	40	106	0
2211 gasoline	4	—	4	—	—
2221 kerosene	0	0	0	—	—
2330 distillate fuel oil	59	38	4	17	—
2340 residual fuel oil	346	335	5	7	—
2350 lube oil & greases	11	0	11	—	0
2410 petro. jelly & waxes	2	1	1	—	—
2429 naphtha & solvents	14	0	14	0	—
2430 asphalt, tar & pitch	2	0	1	—	—
2540 petroleum coke	83	1	1	82	—
2640 liquid natural gas	1	0	1	—	—
Total chemicals and related products	326	72	228	26	0
Subtotal fertilizers	22	2	20	0	—
3110 nitrogenous fert.	1	0	1	—	—
3120 phosphatic fert.	0	—	0	—	—
3130 potassic fert.	0	0	0	—	—
3190 fert. & mixes nec	20	1	19	0	—
Subtotal other chemicals and related products	304	71	207	26	0
3211 acyclic hydrocarbons	3	0	3	—	—
3212 benzene & toluene	0	—	0	—	—
3219 other hydrocarbons	3	1	2	—	—
3220 alcohols	5	1	4	—	0
3230 carboxylic acids	8	4	4	0	—
3240 nitrogen func. comp.	8	3	5	0	0
3250 organo - inorg. comp.	3	1	2	—	—
3260 organic comp. nec	5	1	4	0	—
3271 sulphur (liquid)	0	—	0	—	—
3272 sulphuric acid	25	0	2	23	—
3273 ammonia	1	—	1	—	—
3274 sodium hydroxide	2	0	2	—	—
3275 inorg. elem., oxides, & halogen salts	18	6	12	0	0
3276 metallic salts	15	4	10	—	0
3279 inorganic chem. nec	1	0	1	—	—
3281 radioactive material	0	—	0	—	—
3282 pigments & paints	26	4	23	0	0
3283 coloring mat. nec	4	1	4	—	—
3284 medicines	10	3	5	1	0
3285 perfumes & cleansers	50	16	34	0	0
3286 plastics	68	12	55	1	0
3291 pesticides	9	4	5	0	0
3292 starches, gluten, glue	15	4	11	0	0
3293 explosives	2	2	1	—	—
3297 chemical additives	6	0	5	—	0
3298 wood & resin chem.	3	1	2	—	—
3299 chem. products nec	16	3	12	1	0
Total crude materials, inedible except fuels	356	109	247	0	0
Subtotal forest products, wood and chips	128	72	56	0	0
4110 rubber & gums	11	10	1	—	—
4150 fuel wood	2	2	0	—	—
4161 wood chips	3	—	3	—	—
4170 wood in the rough	9	2	7	—	—
4189 lumber	98	56	42	0	0

MIAMI HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
4190 forest products nec	5	2	3	0	—
Subtotal pulp and waste paper	67	0	66	—	—
4225 pulp & waste paper	67	0	66	—	—
Subtotal soil, sand, gravel, rock and stone	94	11	84	—	—
4310 building stone	6	5	1	—	—
4322 limestone	5	5	0	—	—
4323 gypsum	69	0	69	—	—
4327 phosphate rock	2	—	2	—	—
4331 sand & gravel	12	0	12	—	—
Subtotal iron ore and scrap	14	0	13	—	—
4420 iron & steel scrap	14	0	13	—	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	28	19	9	—	—
4630 copper ore	0	—	0	—	—
4650 aluminum ore	0	0	0	—	—
4670 manganese ore	0	—	0	—	—
4680 non-ferrous scrap	27	19	9	—	—
4690 non-ferrous ores nec	0	0	0	—	—
Subtotal sulphur, clay and salt	14	0	14	—	—
4741 sulphur, (dry)	0	0	0	—	—
4782 clay & refrac. mat.	14	0	13	—	—
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	11	7	5	0	—
4900 non-metal. min. nec	11	7	5	0	—
Total primary manufactured goods	1,133	789	339	5	0
Subtotal paper products	179	54	121	3	0
5110 newsprint	3	2	1	1	—
5120 paper & paperboard	137	45	90	3	0
5190 paper products nec	38	7	31	0	—
Subtotal lime, cement and glass	677	593	84	1	0
5210 lime	0	—	0	—	—
5220 cement & concrete	20	1	19	—	—
5240 glass & glass prod.	29	19	11	0	0
5290 misc. mineral prod.	628	573	54	1	0
Subtotal primary iron and steel products	87	58	29	0	0
5312 pig iron	37	35	2	—	—
5315 ferro alloys	1	1	0	—	0
5320 i&s primary forms	9	6	2	—	—
5330 i&s plates & sheets	14	9	5	0	—
5360 i&s bars & shapes	10	2	7	—	—
5370 i&s pipe & tube	10	1	8	0	—
5390 primary i&s nec	6	3	3	—	0
Subtotal primary non-ferrous metal products	150	70	80	0	0
5421 copper	8	1	7	—	—
5422 aluminum	21	9	11	—	0
5429 smelted prod. nec	3	2	1	—	0
5480 fab. metal products	119	57	62	0	0
Subtotal primary wood products	39	14	25	0	—
5540 primary wood prod.	39	14	25	0	—
Total food and farm products	1,505	779	719	8	0
Subtotal fish	72	67	5	0	0
6134 fish (not shellfish)	17	15	2	0	—
6136 shellfish	55	53	2	—	0
Subtotal grain	67	7	60	—	0
6241 wheat	2	—	2	—	—
6344 corn	20	1	19	—	0
6442 rice	44	6	38	—	—
6443 barley & rye	1	0	0	—	—
6445 oats	0	0	0	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	3	1	3	0	—
6521 peanuts	2	0	2	—	—
6522 soybeans	0	0	0	—	—
6590 oilseeds nec	1	1	1	0	—
Subtotal vegetable products	237	105	130	2	—
6653 vegetable oils	36	10	26	0	—
6654 vegetables & prod.	201	95	104	2	—
Subtotal processed grain and animal feed	135	15	120	0	0
6746 wheat flour	49	0	49	0	—
6747 grain mill products	43	14	29	0	0
6781 hay & fodder	1	—	1	—	—
6782 animal feed, prep.	42	1	41	0	0
Subtotal other agricultural products	990	584	401	5	0
6811 meat, fresh, frozen	44	7	36	1	—
6817 meat, prepared	10	2	8	0	—
6822 dairy products	31	19	12	0	—
6835 fish, prepared	9	8	2	0	—
6838 tallow, animal oils	3	0	3	0	—
6839 animals & prod. nec	2	1	2	0	0

MIAMI HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports*	Exports*	Imports*	Exports
6856 bananas & plantains	159	157	0	2	—
6857 fruit & nuts nec	185	65	120	—	—
6858 fruit juices	133	85	48	0	0
6861 sugar	3	1	3	—	0
6865 molasses	0	—	0	—	—
6871 coffee	119	86	33	—	—
6872 cocoa beans	6	6	0	—	—
6885 alcoholic beverages	99	82	17	0	—
6888 water & ice	24	23	2	—	—
6889 food products nec	132	32	99	1	—
6891 tobacco & products	8	4	3	0	—
6893 cotton	11	1	10	—	—
6894 natural fibers nec	1	1	0	—	—
6899 farm products nec	11	6	5	0	0
Total all manufactured equipment, machinery and products	1,708	774	931	2	2
7110 machinery (not elec)	265	91	173	0	0
7120 electrical machinery	283	74	208	0	0
7210 vehicles & parts	180	53	127	0	0
7220 aircraft & parts	1	0	1	—	—
7230 ships & boats	12	7	5	0	0
7300 ordnance & access.	2	1	1	—	—
7400 manufac. wood prod.	51	30	22	0	0
7500 textile products	518	292	226	0	0
7600 rubber & plastic pr.	120	55	65	0	1
7900 manufac. prod. nec	277	172	104	1	0
Total unknown or not elsewhere classified	106	28	77	1	0
9900 unknown or nec	106	28	77	1	0

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	1,696	985	126	1	584
Total petroleum and petroleum products	1,340	695	61	—	584
Subtotal petroleum products	1,340	695	61	—	584
2330 distillate fuel oil	50	23	27	—	—
2340 residual fuel oil	1,285	673	28	—	584
2430 asphalt, tar & pitch	6	—	6	—	—
Total chemicals and related products	12	11	1	—	—
Subtotal fertilizers	0	—	0	—	—
3110 nitrogenous fert.	0	—	0	—	—
Subtotal other chemicals and related products	12	11	1	—	—
3211 acyclic hydrocarbons	0	0	—	—	—
3219 other hydrocarbons	0	—	0	—	—
3230 carboxylic acids	0	—	0	—	—
3260 organic comp. nec	0	—	0	—	—
3275 inorg. elem.,oxides, & halogen salts	0	0	0	—	—
3282 pigments & paints	0	—	0	—	—
3284 medicines	0	0	—	—	—
3285 perfumes & cleansers	2	2	0	—	—
3286 plastics	4	4	0	—	—
3291 pesticides	0	0	—	—	—
3292 starches, gluten, glue	0	0	0	—	—
3299 chem. products nec	5	5	0	—	—
Total crude materials, inedible except fuels	18	18	0	—	—
Subtotal forest products, wood and chips	16	16	0	—	—
4110 rubber & gums	0	0	—	—	—
4170 wood in the rough	0	0	—	—	—
4189 lumber	0	—	0	—	—
4190 forest products nec	16	16	—	—	—
Subtotal pulp and waste paper	0	0	—	—	—
4225 pulp & waste paper	0	0	—	—	—
Subtotal soil, sand, gravel, rock and stone	0	0	—	—	—
4322 limestone	0	0	—	—	—
Subtotal iron ore and scrap	1	1	0	—	—
4420 iron & steel scrap	1	1	0	—	—
Subtotal non-ferrous ores and scrap	1	1	—	—	—
4680 non-ferrous scrap	1	1	—	—	—
Subtotal other non-metal. min.	0	—	0	—	—
4900 non-metal. min. nec	0	—	0	—	—
Total primary manufactured goods	52	10	42	—	—
Subtotal paper products	7	6	1	—	—
5110 newsprint	2	2	0	—	—

MIAMI HARBOR, FL
Freight Traffic, 1998 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
5120 paper & paperboard	5	4	1	—	—
5190 paper products nec	0	0	0	—	—
Subtotal lime, cement and glass	2	2	0	—	—
5220 cement & concrete	0	—	0	—	—
5240 glass & glass prod.	0	0	0	—	—
5290 misc. mineral prod.	2	2	0	—	—
Subtotal primary iron and steel products	0	0	0	—	—
5320 i&s primary forms	0	0	—	—	—
5330 i&s plates & sheets	0	—	0	—	—
5360 i&s bars & shapes	0	0	—	—	—
Subtotal primary non-ferrous metal products	43	2	41	—	—
5422 aluminum	1	1	0	—	—
5429 smelted prod. nec	0	0	—	—	—
5480 fab. metal products	42	1	41	—	—
Subtotal primary wood products	0	0	0	—	—
5540 primary wood prod.	0	0	0	—	—
Total food and farm products	62	56	5	1	—
Subtotal fish	1	0	0	1	—
6134 fish (not shellfish)	0	0	—	0	—
6136 shellfish	0	0	0	0	—
Subtotal oilseeds	7	5	2	—	—
6521 peanuts	0	0	—	—	—
6590 oilseeds nec	7	5	2	—	—
Subtotal vegetable products	1	0	0	—	—
6653 vegetable oils	0	0	0	—	—
6654 vegetables & prod.	0	0	—	—	—
Subtotal processed grain and animal feed	0	0	0	—	—
6746 wheat flour	0	—	0	—	—
6747 grain mill products	0	0	—	—	—
6782 animal feed, prep.	0	0	—	—	—
Subtotal other agricultural products	53	50	2	—	—
6811 meat, fresh, frozen	7	7	0	—	—
6817 meat, prepared	0	0	—	—	—
6822 dairy products	1	1	—	—	—
6835 fish, prepared	1	1	0	—	—
6839 animals & prod. nec	0	0	—	—	—
6856 bananas & plantains	0	0	—	—	—
6857 fruit & nuts nec	2	2	0	—	—
6858 fruit juices	7	7	—	—	—
6861 sugar	0	—	0	—	—
6871 coffee	11	10	1	—	—
6872 cocoa beans	0	0	—	—	—
6885 alcoholic beverages	18	18	—	—	—
6887 groceries	0	0	0	—	—
6888 water & ice	1	1	0	—	—
6889 food products nec	4	3	1	—	—
6891 tobacco & products	1	1	—	—	—
6899 farm products nec	0	0	0	—	—
Total all manufactured equipment, machinery and products	212	194	18	—	—
7110 machinery (not elec)	2	2	0	—	—
7120 electrical machinery	1	0	1	—	—
7210 vehicles & parts	0	0	0	—	—
7220 aircraft & parts	0	0	—	—	—
7230 ships & boats	0	0	—	—	—
7300 ordnance & access.	0	0	—	—	—
7400 manufac. wood prod.	2	1	1	—	—
7500 textile products	32	30	2	—	—
7600 rubber & plastic pr.	2	1	0	—	—
7800 empty containers	0	0	—	—	—
7900 manufac. prod. nec	173	158	15	—	—

*Includes 313 (x1000) tons of foreign inbound in-transits; Includes 233 (x1000) tons of foreign outbound in-transits;
Includes 16 (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
1989	517	1992	680	1995	884	1998	507
1990	582	1993	739	1996	593		
1991	586	1994	615	1997	723		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic
		Imports*	Exports*	Internal
				Inbound Upbound
Total, all commodities	507	71	435	1
Total coal	0	—	0	—
1100 coal lignite	0	—	0	—
1200 coal coke	0	—	0	—
Total petroleum and petroleum products	13	0	13	—
Subtotal petroleum products	13	0	13	—
2221 kerosene	0	0	—	—
2330 distillate fuel oil	0	—	0	—
2340 residual fuel oil	2	—	2	—
2350 lube oil & greases	1	—	1	—
2410 petro. jelly & waxes	0	—	0	—
2429 naphtha & solvents	9	—	9	—
2430 asphalt, tar & pitch	0	—	0	—
2540 petroleum coke	0	—	0	—
2640 liquid natural gas	0	—	0	—
Total chemicals and related products	30	1	30	—
Subtotal fertilizers	1	0	1	—
3110 nitrogenous fert.	0	—	0	—
3120 phosphatic fert.	0	—	0	—
3190 fert. & mixes nec	1	0	0	—
Subtotal other chemicals and related products	29	0	29	—
3211 acyclic hydrocarbons	0	—	0	—
3219 other hydrocarbons	0	—	0	—
3220 alcohols	1	—	1	—
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	0	—	0	—
3275 inorg. elem., oxides, & halogen salts	3	—	3	—
3276 metallic salts	4	0	4	—
3279 inorganic chem. nec	0	—	0	—
3281 radioactive material	0	—	0	—
3282 pigments & paints	3	—	3	—
3283 coloring mat. nec	1	0	1	—
3284 medicines	0	—	0	—
3285 perfumes & cleansers	4	0	4	—
3286 plastics	5	0	5	—
3291 pesticides	1	—	1	—
3292 starches, gluten, glue	2	0	2	—
3293 explosives	0	—	0	—
3297 chemical additives	0	—	0	—
3298 wood & resin chem.	0	—	0	—
3299 chem. products nec	3	—	3	—
Total crude materials, inedible except fuels	33	3	30	—
Subtotal forest products, wood and chips	17	1	16	—
4110 rubber & gums	0	—	0	—
4150 fuel wood	0	—	0	—
4161 wood chips	0	—	0	—
4170 wood in the rough	2	0	2	—
4189 lumber	15	1	14	—
4190 forest products nec	0	0	0	—
Subtotal pulp and waste paper	2	—	2	—
4225 pulp & waste paper	2	—	2	—
Subtotal soil, sand, gravel, rock and stone	5	0	5	—
4310 building stone	0	—	0	—
4322 limestone	0	0	0	—
4323 gypsum	1	—	1	—
4327 phosphate rock	2	—	2	—
4331 sand & gravel	3	0	3	—

MIAMI RIVER, FL (INCLUDED IN TRAFFIC OF MIAMI HARBOR, FL)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic	
		Imports*	Exports*	Internal	
				Inbound	Upbound
Subtotal iron ore and scrap	0	—	0	—	—
4420 iron & steel scrap	0	—	0	—	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	1	1	0	—	—
4680 non-ferrous scrap	1	1	0	—	—
4690 non-ferrous ores nec	0	—	0	—	—
Subtotal sulphur, clay and salt	4	—	4	—	—
4782 clay & refrac. mat.	4	—	4	—	—
Subtotal other non-metal. min.	3	1	2	—	—
4900 non-metal. min. nec	3	1	2	—	—
Total primary manufactured goods	64	4	60	—	—
Subtotal paper products	14	0	14	—	—
5110 newsprint	0	—	0	—	—
5120 paper & paperboard	8	0	8	—	—
5190 paper products nec	6	0	6	—	—
Subtotal lime, cement and glass	18	1	16	—	—
5210 lime	0	—	0	—	—
5220 cement & concrete	5	—	5	—	—
5240 glass & glass prod.	1	0	1	—	—
5290 misc. mineral prod.	11	1	10	—	—
Subtotal primary iron and steel products	9	0	9	—	—
5312 pig iron	0	—	0	—	—
5315 ferro alloys	0	—	0	—	—
5320 i&s primary forms	1	—	1	—	—
5330 i&s plates & sheets	3	0	3	—	—
5360 i&s bars & shapes	2	0	2	—	—
5370 i&s pipe & tube	2	—	2	—	—
5390 primary i&s nec	1	0	1	—	—
Subtotal primary non-ferrous metal products	16	2	14	—	—
5421 copper	3	0	3	—	—
5422 aluminum	2	0	2	—	—
5429 smelted prod. nec	0	0	0	—	—
5480 fab. metal products	10	1	9	—	—
Subtotal primary wood products	8	0	7	—	—
5540 primary wood prod.	8	0	7	—	—
Total food and farm products	175	14	160	1	—
Subtotal fish	4	3	0	1	—
6134 fish (not shellfish)	1	0	0	0	0
6136 shellfish	3	3	0	0	0
Subtotal grain	36	—	36	—	—
6241 wheat	1	—	1	—	—
6344 corn	12	—	12	—	—
6442 rice	22	—	22	—	—
6443 barley & rye	0	—	0	—	—
Subtotal oilseeds	0	—	0	—	—
6521 peanuts	0	—	0	—	—
6522 soybeans	0	—	0	—	—
6590 oilseeds nec	0	—	0	—	—
Subtotal vegetable products	37	1	36	—	—
6653 vegetable oils	10	—	10	—	—
6654 vegetables & prod.	27	1	26	—	—
Subtotal processed grain and animal feed	45	0	45	—	—
6746 wheat flour	30	—	30	—	—
6747 grain mill products	8	0	8	—	—
6781 hay & fodder	0	—	0	—	—
6782 animal feed, prep.	7	—	7	—	—
Subtotal other agricultural products	52	9	43	—	—
6811 meat, fresh, frozen	4	0	4	—	—
6817 meat, prepared	3	—	3	—	—
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	5	4	1	—	—
6858 fruit juices	6	1	5	—	—
6861 sugar	1	—	1	—	—
6865 molasses	0	—	0	—	—
6871 coffee	0	0	0	—	—
6872 cocoa beans	0	0	—	—	—
6885 alcoholic beverages	6	3	3	—	—
6888 water & ice	0	0	0	—	—
6889 food products nec	21	0	21	—	—
6891 tobacco & products	1	0	0	—	—
6893 cotton	0	—	0	—	—
6894 natural fibers nec	0	—	0	—	—
6899 farm products nec	2	0	2	—	—

MIAMI RIVER, FL (INCLUDED IN TRAFFIC OF MIAMI HARBOR, FL)
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic
		Imports*	Exports*	Internal Inbound Upbound
Total all manufactured equipment, machinery and products	175	49	126	---
7110 machinery (not elec)	18	0	18	---
7120 electrical machinery	20	0	20	---
7210 vehicles & parts	15	0	15	---
7220 aircraft & parts	0	---	0	---
7230 ships & boats	1	0	1	---
7300 ordnance & access.	1	0	0	---
7400 manufac. wood prod.	3	1	3	---
7500 textile products	96	45	51	---
7600 rubber & plastic pr.	8	0	8	---
7900 manufac. prod. nec	13	2	11	---
Total unknown or not elsewhere classified	16	1	15	---
9900 unknown or nec	16	1	15	---
Ton-miles (x1000)	1,519	213	1,305	1
Tons All Traffic (x1000)				507
Ton-miles All Traffic (x1000)				1,519

*Includes 0 (x1000) tons of foreign inbound in-transits; Includes 20 (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
1989	393	1992	1	1995	293	1998	544
1990	305	1993	441	1996	267		
1991	8	1994	664	1997	317		

Freight Traffic, 1998 (thousand short tons)

Commodity	Grand Total	Internal
		Inbound Downbnd
Total, all commodities	544	544
Total petroleum and petroleum products	543	543
Subtotal petroleum products	543	543
2340 residual fuel oil	543	543
Total food and farm products	1	1
Subtotal fish	1	1
6134 fish (not shellfish)	1	1
6136 shellfish	0	0
Ton-miles (x1000)	13,055	13,055
Tons All Traffic (x1000)		544
Ton-miles All Traffic (x1000)		13,068

Other Harbors and Waterways 1998

Harbor or Waterway Project	Commodity	Thousand Short Tons
BAKERS HAULOVER INLET, FL	No Commerce Reported	
EAU GALLIE HARBOR, FL	No Commerce Reported	
FORT PIERCE HARBOR, FL	2330 distillate fuel oil	0
	2340 residual fuel oil	55
	2350 lube oil & greases	0
	2429 naphtha & solvents	0
	3190 fert. & mixes nec	1
	3260 organic comp. nec	0
	3275 inorg. elem.,oxides, & halogen salts	0
	3285 perfumes & cleansers	0
	3286 plastics	0
	3291 pesticides	0
	3298 wood & resin chem.	0
	4331 sand & gravel	10
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	0
	5540 primary wood prod.	0
	6134 fish (not shellfish)	1
	6654 vegetables & prod.	0
	6747 grain mill products	0
	6811 meat, fresh, frozen	0
	6857 fruit & nuts nec	24
	6858 fruit juices	0
	6871 coffee	0
	6888 water & ice	0
	6889 food products nec	0
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	9900 unknown or nec	0
	Total Tons(x1000)	95
	Total Ton-miles(x1000)	221
KEY WEST HARBOR, FL	2211 gasoline	51
	2330 distillate fuel oil	13
	3240 nitrogen func. comp.	0
	3260 organic comp. nec	0
	3285 perfumes & cleansers	0
	3297 chemical additives	0
	5330 i&s plates & sheets	0
	5421 copper	0
	5422 aluminum	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	3
	6136 shellfish	7
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7230 ships & boats	0
	7500 textile products	0
	7900 manufac. prod. nec	0
	9900 unknown or nec	0
	Total Tons(x1000)	75
MELBOURNE HARBOR, FL	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	2
NEW RIVER, FL (INCLUDED IN TRAFFIC OF PORT EVERGLADES HARBOR, FL)	No Commerce Reported	
OKLAWAHA RIVER, FL	No Commerce Reported	

Other Harbors and Waterways 1998 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
PONCE DE LEON INLET, FL	4335 waterway improv. mat	20
	5290 misc. mineral prod.	0
	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	21
	Total Ton-miles(x1000)	21
RICE CREEK, FL	2340 residual fuel oil	150
	Total Tons(x1000)	150
	Total Ton-miles(x1000)	600
ST. AUGUSTINE HARBOR, FL	5290 misc. mineral prod.	4
	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
1989	4,876	1992	3,705	1995	3,597	1998	3,803
1990	4,168	1993	3,784	1996	4,275		
1991	4,708	1994	3,709	1997	3,590		

Freight Traffic, 1998 (thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	101	2	2	25	72
Total petroleum and petroleum products	38	—	—	—	38
Subtotal petroleum products	38	—	—	—	38
2211 gasoline	8	—	—	—	8
2330 distillate fuel oil	11	—	—	—	11
2340 residual fuel oil	10	—	—	—	10
2430 asphalt, tar & pitch	8	—	—	—	8
Total chemicals and related products	33	—	—	0	32
Subtotal other chemicals and related products	33	—	—	0	32
3274 sodium hydroxide	32	—	—	—	32
3282 pigments & paints	0	—	—	0	—
Total crude materials, inedible except fuels	4	—	—	4	—
Subtotal other non-metal. min.	4	—	—	4	—
4900 non-metal. min. nec	4	—	—	4	—
Total primary manufactured goods	7	2	—	2	2
Subtotal lime, cement and glass	4	2	—	—	2
5290 misc. mineral prod.	4	2	—	—	2
Subtotal primary non-ferrous metal products	3	—	—	2	0
5480 fab. metal products	3	—	—	2	0
Total food and farm products	19	—	—	19	—
Subtotal vegetable products	9	—	—	9	—
6653 vegetable oils	9	—	—	9	—
Subtotal other agricultural products	10	—	—	10	—
6889 food products nec	10	—	—	10	—
Total all manufactured equipment, machinery and products	2	—	2	0	—
7210 vehicles & parts	0	—	—	0	—
7900 manufac. prod. nec	2	—	2	—	—
Ton-miles (x1000)	4,223	8	6	2,334	1,875
Coastwise					

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	3,701	118	771	13	3	1,423	1,370	2	1
Total petroleum and petroleum products	706	38	109	—	—	461	98	—	—
Subtotal petroleum products	706	38	109	—	—	461	98	—	—
2211 gasoline	24	—	18	—	—	4	3	—	—
2330 distillate fuel oil	172	1	91	—	—	35	44	—	—
2340 residual fuel oil	511	37	—	—	—	422	52	—	—
Total chemicals and related products	2,151	64	—	8	—	851	1,228	—	—
Subtotal fertilizers	1,260	—	—	8	—	415	837	—	—
3110 nitrogenous fert.	80	—	—	8	—	19	53	—	—
3120 phosphatic fert.	1,165	—	—	—	—	381	784	—	—

ATLANTIC INTRACOASTAL WATERWAY (CONSOLIDATED REPORT) BETWEEN NORFOLK, VA AND THE ST. JOHNS RIVER, FL
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
3190 fert. & mixes nec	15	—	—	—	—	15	—	—	—
Subtotal other chemicals and related products	891	64	—	—	—	436	391	—	—
3271 sulphur (liquid)	436	—	—	—	—	436	—	—	—
3274 sodium hydroxide	64	64	—	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	391	—	—	—	—	—	391	—	—
Total crude materials, inedible except fuels	731	—	642	—	—	71	18	—	—
Subtotal forest products, wood and chips	70	—	—	—	—	69	0	—	—
4161 wood chips	69	—	—	—	—	69	—	—	—
4189 lumber	0	—	—	—	—	—	0	—	—
Subtotal soil, sand, gravel, rock and stone	642	—	642	—	—	—	0	—	—
4331 sand & gravel	642	—	642	—	—	—	0	—	—
Subtotal iron ore and scrap	17	—	—	—	—	—	17	—	—
4420 iron & steel scrap	17	—	—	—	—	—	17	—	—
Subtotal non-ferrous ores and scrap	1	—	—	—	—	1	—	—	—
4690 non-ferrous ores nec	1	—	—	—	—	1	—	—	—
Total primary manufactured goods	44	6	0	0	0	34	3	—	—
Subtotal lime, cement and glass	13	6	—	—	—	6	1	—	—
5290 misc. mineral prod.	13	6	—	—	—	6	1	—	—
Subtotal primary iron and steel products	16	—	—	—	—	15	1	—	—
5330 i&s plates & sheets	15	—	—	—	—	15	—	—	—
5360 i&s bars & shapes	1	—	—	—	—	—	1	—	—
Subtotal primary non-ferrous metal products	2	—	0	0	0	0	1	—	—
5480 fab. metal products	2	—	0	0	0	0	1	—	—
Subtotal primary wood products	13	—	—	—	—	13	—	—	—
5540 primary wood prod.	13	—	—	—	—	13	—	—	—
Total food and farm products	67	10	19	5	2	6	22	2	1
Subtotal fish	59	10	19	—	2	3	22	2	1
6134 fish (not shellfish)	23	1	8	—	0	1	13	0	0
6136 shellfish	35	10	11	—	2	2	9	2	1
Subtotal grain	3	—	—	—	—	3	—	—	—
6241 wheat	3	—	—	—	—	3	—	—	—
Subtotal oilseeds	5	—	—	5	—	—	—	—	—
6522 soybeans	5	—	—	5	—	—	—	—	—
Total all manufactured equipment, machinery and products	2	—	1	—	1	0	0	—	—
7110 machinery (not elec)	0	—	—	—	—	—	0	—	—

ATLANTIC INTRACOASTAL WATERWAY (CONSOLIDATED REPORT) BETWEEN NORFOLK, VA AND THE ST. JOHNS RIVER, FL
 Freight Traffic, 1998 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
7120 electrical machinery	0	—	—	—	—	—	0	—	—
7230 ships & boats	0	—	0	—	—	0	0	—	—
7300 ordnance & access.	0	—	—	—	—	—	0	—	—
7400 manufac. wood prod.	0	—	—	—	—	—	0	—	—
7900 manufac. prod. nec	1	—	1	—	1	0	—	—	—
Ton-miles Internal (x1000)	209,921	2,750	5,635	1,026	339	109,516	90,583	37	36
Tons All Traffic (x1000)			3,803						
Ton-miles All Traffic (x1000)			214,144						

Section 2

Trips and Drafts of Vessels

Trips and Drafts of Vessels, 1998
(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	157	2	16	87	—	52	154	2	14	89	—	49

FOREIGN

Total	14	2	12	—	—	—	15	2	12	—	—	1
33	7	2	5	—	—	—	6	—	6	—	—	—
32	—	—	—	—	—	—	1	1	—	—	—	—
31	2	—	2	—	—	—	1	—	1	—	—	—
30	—	—	—	—	—	—	1	—	1	—	—	—
27	1	—	1	—	—	—	1	—	1	—	—	—
25	1	—	1	—	—	—	1	—	1	—	—	—
24	2	—	2	—	—	—	1	—	1	—	—	—
21	—	—	—	—	—	—	2	1	1	—	—	—
13	1	—	1	—	—	—	—	—	—	—	—	—
12	—	—	—	—	—	—	1	—	—	—	—	1

DOMESTIC

Total	143	—	4	87	—	52	139	—	2	89	—	48
33	2	—	2	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	1	—	1	—	—	—
28	1	—	—	—	—	1	—	—	—	—	—	—
27	4	—	—	—	—	4	—	—	—	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
24	1	—	—	—	—	1	2	—	—	—	—	2
22	3	—	—	—	—	3	1	—	—	—	—	1
21	6	—	—	—	—	6	—	—	—	—	—	—
20	1	—	—	—	—	1	—	—	—	—	—	—
19	3	—	—	—	—	3	—	—	—	—	—	—
18	4	—	—	2	—	2	—	—	—	—	—	—
17	5	—	1	—	—	4	3	—	—	—	—	3
16	5	—	—	2	—	3	12	—	—	2	—	10
15	14	—	—	12	—	2	9	—	—	6	—	3
14	27	—	—	26	—	1	12	—	—	12	—	—
13	13	—	—	11	—	2	25	—	—	25	—	—
12	10	—	—	9	—	1	24	—	—	21	—	3
11	—	—	—	—	—	—	2	—	—	—	—	2
10	1	—	—	—	—	1	—	—	—	—	—	—
9	1	—	1	—	—	—	1	—	1	—	—	—
8	17	—	—	17	—	—	15	—	—	15	—	—
6	1	—	—	—	—	1	—	—	—	—	—	—
5	5	—	—	—	—	5	5	—	—	—	—	5
4	—	—	—	—	—	—	12	—	—	—	—	12
3	10	—	—	—	—	10	7	—	—	—	—	7
2	8	—	—	8	—	—	8	—	—	8	—	—
										Total trips:		311

PENOBSCOT RIVER, ME

	Upbound						Downbound					
Grand Total	246	39	36	95	1	75	227	34	32	94	1	66

FOREIGN

Total	68	34	32	—	1	1	61	29	30	—	1	1
33	13	4	9	—	—	—	12	2	10	—	—	—
32	3	—	3	—	—	—	4	1	3	—	—	—
31	3	—	3	—	—	—	1	—	1	—	—	—
30	—	—	—	—	—	—	1	—	1	—	—	—
28	6	1	5	—	—	—	5	1	4	—	—	—
27	2	1	1	—	—	—	2	1	1	—	—	—
26	1	—	1	—	—	—	2	—	2	—	—	—
25	7	4	3	—	—	—	6	4	2	—	—	—
24	9	3	5	—	—	1	7	3	4	—	—	—
23	2	1	—	—	1	—	2	1	—	—	1	—
22	1	1	—	—	—	—	1	1	—	—	—	—
21	—	—	—	—	—	—	2	1	1	—	—	—
20	1	1	—	—	—	—	1	1	—	—	—	—
19	1	—	1	—	—	—	2	1	1	—	—	—
18	1	1	—	—	—	—	1	1	—	—	—	—
16	1	1	—	—	—	—	1	1	—	—	—	—
15	1	1	—	—	—	—	—	—	—	—	—	—
14	—	—	—	—	—	—	1	1	—	—	—	—
13	2	1	1	—	—	—	—	—	—	—	—	—
12	14	14	—	—	—	—	10	9	—	—	—	1

Trips and Drafts of Vessels, 1998
(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

Total	178	5	4	95	—	74	166	5	2	94	—	65
33	2	—	2	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	1	—	1	—	—	—
28	1	—	—	—	—	1	—	—	—	—	—	—
27	4	—	—	—	—	4	—	—	—	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
24	1	—	—	—	—	1	2	—	—	—	—	2
22	3	—	—	—	—	3	1	—	—	—	—	1
21	6	—	—	—	—	6	—	—	—	—	—	—
20	1	—	—	—	—	1	—	—	—	—	—	—
19	3	—	—	—	—	3	—	—	—	—	—	—
18	5	—	—	2	—	3	—	—	—	—	—	—
17	11	—	1	—	—	10	1	—	—	—	—	1
16	25	—	—	2	—	23	5	—	—	2	—	3
15	17	—	—	12	—	5	7	—	—	6	—	1
14	27	—	—	26	—	1	12	—	—	12	—	—
13	13	—	—	11	—	2	25	—	—	25	—	—
12	58	5	1	42	—	10	112	5	1	49	—	57
										Total trips:		473

SEARSPORT HARBOR, ME

Inbound

Outbound

Grand Total	261	53	30	143	5	30	234	36	21	142	6	29
--------------------	------------	-----------	-----------	------------	----------	-----------	------------	-----------	-----------	------------	----------	-----------

FOREIGN

Total	88	53	29	2	1	3	63	36	20	1	2	4
36	—	—	—	—	—	—	1	1	—	—	—	—
35	6	1	5	—	—	—	4	1	3	—	—	—
34	6	2	4	—	—	—	3	2	1	—	—	—
33	6	1	5	—	—	—	6	1	5	—	—	—
32	10	5	5	—	—	—	9	5	4	—	—	—
31	2	1	1	—	—	—	1	—	1	—	—	—
30	—	—	—	—	—	—	1	1	—	—	—	—
29	2	1	1	—	—	—	2	1	1	—	—	—
28	2	2	—	—	—	—	—	—	—	—	—	—
27	2	1	1	—	—	—	2	1	1	—	—	—
26	3	3	—	—	—	—	2	2	—	—	—	—
25	5	4	—	—	—	1	4	3	—	—	—	1
24	9	3	6	—	—	—	8	3	4	—	1	—
23	6	4	—	1	—	1	2	2	—	—	—	—
22	3	2	—	—	1	—	2	1	—	—	—	1
21	1	1	—	—	—	—	1	1	—	—	—	—
20	1	1	—	—	—	—	1	1	—	—	—	—
19	1	1	—	—	—	—	—	—	—	—	—	—
18	23	20	1	1	—	1	14	10	—	1	1	2

DOMESTIC

Total	173	—	1	141	4	27	171	—	1	141	4	25
34	1	—	—	—	—	1	—	—	—	—	—	—
32	2	—	—	2	—	—	2	—	—	2	—	—
29	—	—	—	—	—	—	1	—	—	—	—	1
28	4	—	—	—	—	4	—	—	—	—	—	—
27	2	—	—	—	—	2	—	—	—	—	—	—
26	4	—	1	—	—	3	1	—	—	—	—	1
25	1	—	—	—	—	1	1	—	1	—	—	—
24	2	—	—	—	—	2	—	—	—	—	—	—
23	1	—	—	—	—	1	—	—	—	—	—	—
22	1	—	—	—	—	1	2	—	—	—	—	2
21	—	—	—	—	—	—	1	—	—	—	—	1
20	4	—	—	—	4	—	—	—	—	—	—	—
19	3	—	—	—	—	3	—	—	—	—	—	—
18	148	—	—	139	—	9	163	—	—	139	4	20
										Total trips:		495

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORTLAND HARBOR, ME

	Upbound						Downbound					
Grand Total	17,337	16,082	246	843	16	150	17,234	16,405	242	439	11	137

FOREIGN

Total	385	131	239	7	5	3	373	127	236	4	2	4
47	1	—	1	—	—	—	—	—	—	—	—	—
46	17	1	16	—	—	—	—	—	—	—	—	—
45	28	1	27	—	—	—	—	—	—	—	—	—
44	20	—	20	—	—	—	—	—	—	—	—	—
43	20	—	20	—	—	—	—	—	—	—	—	—
42	13	1	12	—	—	—	1	—	1	—	—	—
41	9	—	9	—	—	—	—	—	—	—	—	—
40	3	1	2	—	—	—	—	—	—	—	—	—
39	1	—	1	—	—	—	—	—	—	—	—	—
38	2	—	2	—	—	—	1	—	1	—	—	—
37	3	—	3	—	—	—	—	—	—	—	—	—
36	6	—	6	—	—	—	2	—	2	—	—	—
35	10	1	9	—	—	—	1	—	1	—	—	—
34	25	4	21	—	—	—	3	—	3	—	—	—
33	22	2	20	—	—	—	1	—	1	—	—	—
32	12	1	11	—	—	—	5	1	4	—	—	—
31	8	1	7	—	—	—	1	—	1	—	—	—
30	10	6	4	—	—	—	10	3	7	—	—	—
29	13	11	2	—	—	—	56	18	38	—	—	—
28	4	—	4	—	—	—	42	2	40	—	—	—
27	6	2	4	—	—	—	36	2	33	1	—	—
26	6	1	5	—	—	—	12	4	8	—	—	—
25	5	2	2	1	—	—	23	4	18	1	—	—
24	32	3	28	—	—	1	46	1	45	—	—	—
23	6	4	—	—	2	—	17	2	15	—	—	—
22	10	6	1	1	1	1	13	6	7	—	—	—
21	9	9	—	—	—	—	11	9	2	—	—	—
20	5	5	—	—	—	—	6	3	3	—	—	—
19	2	—	2	—	—	—	6	6	—	—	—	—
18	77	69	—	5	2	1	80	66	6	2	2	4

DOMESTIC

Total	16,952	15,951	7	836	11	147	16,861	16,278	6	435	9	133
37	1	—	1	—	—	—	—	—	—	—	—	—
36	1	—	1	—	—	—	—	—	—	—	—	—
30	1	—	1	—	—	—	—	—	—	—	—	—
29	2	—	—	—	—	2	—	—	—	—	—	—
28	9	—	—	—	—	9	3	—	—	—	—	3
27	2	—	—	—	—	2	—	—	—	—	—	—
26	4	—	—	—	—	4	—	—	—	—	—	—
25	10	—	—	—	—	10	1	—	1	—	—	—
24	10	—	—	—	—	10	1	—	—	—	—	1
23	3	—	—	—	—	3	—	—	—	—	—	—
22	10	—	—	—	—	10	—	—	—	—	—	—
21	7	—	—	—	—	7	—	—	—	—	—	—
20	25	—	—	2	8	15	6	—	1	2	—	3
19	14	—	—	—	1	13	—	—	—	—	—	—
18	16,853	15,951	4	834	2	62	16,850	16,278	4	433	9	126
										Total trips:		34,571

PORTSMOUTH HARBOR, NH

	Upbound						Downbound					
Grand Total	1,082	846	67	76	10	83	1,069	843	68	67	7	84

FOREIGN

Total	177	90	66	3	8	10	185	87	68	4	7	19
37	1	—	1	—	—	—	—	—	—	—	—	—
36	5	1	4	—	—	—	—	—	—	—	—	—
35	22	11	11	—	—	—	3	1	2	—	—	—
34	35	22	13	—	—	—	3	1	2	—	—	—
33	15	9	6	—	—	—	2	1	1	—	—	—
32	10	6	4	—	—	—	2	—	2	—	—	—
31	6	5	1	—	—	—	1	—	1	—	—	—
30	3	—	3	—	—	—	5	—	5	—	—	—
29	4	1	3	—	—	—	4	2	2	—	—	—
28	5	2	3	—	—	—	9	2	7	—	—	—

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORTSMOUTH HARBOR, NH - continued

Upbound

Downbound

FOREIGN

27	3	1	2	—	—	—	4	3	1	—	—	—
26	2	—	2	—	—	—	18	9	9	—	—	—
25	2	1	1	—	—	—	12	9	3	—	—	—
24	21	5	10	—	1	5	55	24	24	—	—	7
23	3	2	1	—	—	—	13	11	2	—	—	—
22	7	5	—	—	2	—	11	6	3	—	2	—
21	2	—	1	—	1	—	2	1	1	—	—	—
20	2	1	—	—	1	—	4	—	2	1	—	1
19	1	1	—	—	—	—	3	3	—	—	—	—
18	28	17	—	3	3	5	34	14	1	3	5	11

DOMESTIC

Total	905	756	1	73	2	73	884	756	—	63	—	65
35	1	—	1	—	—	—	—	—	—	—	—	—
30	1	—	—	—	—	1	—	—	—	—	—	—
29	3	—	—	—	—	3	—	—	—	—	—	—
28	2	—	—	—	—	2	—	—	—	—	—	—
26	3	—	—	—	—	3	—	—	—	—	—	—
25	4	—	—	—	—	4	1	—	—	—	—	1
24	5	—	—	—	—	5	1	—	—	—	—	1
23	7	—	—	—	—	7	—	—	—	—	—	—
22	9	—	—	—	—	9	—	—	—	—	—	—
21	6	—	—	—	—	6	—	—	—	—	—	—
20	12	—	—	4	—	8	4	—	—	4	—	—
19	2	—	—	—	1	1	—	—	—	—	—	1
18	850	756	—	69	1	24	877	756	—	59	—	62
										Total trips:		2,151

SALEM HARBOR, MA

Inbound

Outbound

Grand Total	98	20	9	21	—	48	77	16	7	7	—	47
--------------------	-----------	-----------	----------	-----------	----------	-----------	-----------	-----------	----------	----------	----------	-----------

FOREIGN

Total	25	17	8	—	—	—	18	12	6	—	—	—
36	1	1	—	—	—	—	—	—	—	—	—	—
34	11	11	—	—	—	—	—	—	—	—	—	—
33	2	2	—	—	—	—	—	—	—	—	—	—
32	4	1	3	—	—	—	—	—	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
30	3	1	2	—	—	—	—	—	—	—	—	—
28	1	1	—	—	—	—	1	—	1	—	—	—
27	—	—	—	—	—	—	1	1	—	—	—	—
26	1	—	1	—	—	—	5	3	2	—	—	—
25	1	—	1	—	—	—	6	5	1	—	—	—
24	—	—	—	—	—	—	2	1	1	—	—	—
23	—	—	—	—	—	—	3	2	1	—	—	—

DOMESTIC

Total	73	3	1	21	—	48	59	4	1	7	—	47
34	3	3	—	—	—	—	—	—	—	—	—	—
32	1	—	1	—	—	—	—	—	—	—	—	—
31	1	—	—	—	—	1	—	—	—	—	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
28	4	—	—	—	—	4	—	—	—	—	—	—
27	4	—	—	—	—	4	—	—	—	—	—	—
26	2	—	—	—	—	2	—	—	—	—	—	—
25	8	—	—	—	—	8	—	—	—	—	—	—
24	5	—	—	—	—	5	—	—	—	—	—	—
23	3	—	—	—	—	3	—	—	—	—	—	—
22	4	—	—	—	—	4	—	—	—	—	—	—
20	3	—	—	—	—	3	—	—	—	—	—	—
19	—	—	—	—	—	—	4	4	—	—	—	—
18	34	—	—	21	—	13	55	—	1	7	—	47
										Total trips:		175

Trips and Drafts of Vessels, 1998
(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												
Grand Total	Inbound						Outbound					
	10,753	8,575	357	545	249	1,027	10,741	8,612	355	534	232	1,008
FOREIGN												
Total	775	429	328	8	8	2	782	432	330	6	9	5
41	4	1	3	—	—	—	—	—	—	—	—	—
40	7	2	5	—	—	—	1	1	—	—	—	—
39	9	3	6	—	—	—	5	3	2	—	—	—
38	21	7	14	—	—	—	10	2	8	—	—	—
37	23	9	14	—	—	—	3	3	—	—	—	—
36	64	19	45	—	—	—	26	17	9	—	—	—
35	63	21	42	—	—	—	29	17	12	—	—	—
34	42	23	19	—	—	—	36	28	8	—	—	—
33	51	19	32	—	—	—	31	20	11	—	—	—
32	24	10	14	—	—	—	29	15	14	—	—	—
31	22	2	20	—	—	—	13	8	5	—	—	—
30	11	8	3	—	—	—	11	6	4	—	1	—
29	12	7	5	—	—	—	5	3	2	—	—	—
28	20	6	14	—	—	—	22	8	14	—	—	—
27	36	26	10	—	—	—	24	16	8	—	—	—
26	25	16	9	—	—	—	40	22	17	—	—	1
25	14	10	3	—	1	—	33	14	19	—	—	—
24	93	43	49	—	1	—	156	31	125	—	—	—
23	17	13	3	—	—	1	39	11	28	—	—	—
22	23	19	2	1	—	1	38	29	8	1	—	—
21	27	25	2	—	—	—	44	24	20	—	—	—
20	32	31	1	—	—	—	36	34	2	—	—	—
19	13	11	1	—	1	—	12	12	—	—	—	—
18	122	98	12	7	5	—	139	108	14	5	8	4
DOMESTIC												
Total	9,978	8,146	29	537	241	1,025	9,959	8,180	25	528	223	1,003
40	1	—	1	—	—	—	—	—	—	—	—	—
38	1	—	1	—	—	—	—	—	—	—	—	—
37	2	—	2	—	—	—	—	—	—	—	—	—
36	3	—	3	—	—	—	1	1	—	—	—	—
35	6	—	5	—	—	1	2	1	1	—	—	—
34	—	—	—	—	—	—	4	3	1	—	—	—
33	—	—	—	—	—	—	5	4	1	—	—	—
32	4	—	3	—	—	1	1	—	1	—	—	—
31	—	—	—	—	—	—	3	2	1	—	—	—
30	2	—	1	—	—	1	24	24	—	—	—	—
29	6	—	—	—	—	—	6	—	—	—	—	—
28	8	—	—	—	—	—	8	3	—	—	—	3
27	15	—	—	—	12	3	2	—	1	—	—	1
26	21	—	1	—	4	16	3	—	—	—	—	3
25	51	—	—	—	3	48	7	—	1	—	—	6
24	55	—	1	—	1	53	10	—	2	—	—	8
23	37	—	—	—	3	34	1	—	—	—	—	1
22	30	—	—	—	9	21	4	—	—	—	1	3
21	22	—	—	—	3	19	4	—	1	—	—	3
20	42	—	—	2	1	39	17	—	1	2	6	8
19	25	—	—	—	3	22	6	—	—	—	1	5
18	9,647	8,146	11	535	202	753	9,862	8,145	14	526	215	962
										Total trips:		21,494
MAIN WATERFRONT (PORT OF BOSTON)												
Grand Total	Upbound						Downbound					
	7,626	7,175	133	166	52	100	7,602	7,169	87	179	41	126
FOREIGN												
Total	464	320	132	5	5	2	416	317	87	4	4	4
41	4	1	3	—	—	—	—	—	—	—	—	—
40	5	2	3	—	—	—	1	1	—	—	—	—
39	7	3	4	—	—	—	4	3	1	—	—	—
38	16	5	11	—	—	—	5	2	3	—	—	—
37	14	6	8	—	—	—	3	3	—	—	—	—
36	36	18	18	—	—	—	13	13	—	—	—	—
35	29	18	11	—	—	—	18	15	3	—	—	—
34	29	21	8	—	—	—	29	27	2	—	—	—
33	26	18	8	—	—	—	22	19	3	—	—	—

Trips and Drafts of Vessels, 1998
(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

32	15	10	5	—	—	—	18	13	5	—	—	—
31	11	2	9	—	—	—	5	5	—	—	—	—
30	5	4	1	—	—	—	8	3	4	—	1	—
29	8	6	2	—	—	—	4	3	1	—	—	—
28	6	4	2	—	—	—	8	3	5	—	—	—
27	23	19	4	—	—	—	11	9	2	—	—	—
26	10	9	1	—	—	—	21	13	7	—	—	1
25	5	4	1	—	—	—	9	5	4	—	—	—
24	52	27	24	—	1	—	53	23	30	—	—	—
23	8	6	1	—	—	1	9	6	3	—	—	—
22	12	9	1	1	—	1	18	15	2	1	—	—
21	18	17	1	—	—	—	27	17	10	—	—	—
20	27	26	1	—	—	—	29	29	—	—	—	—
19	1	1	—	—	—	—	2	2	—	—	—	—
18	97	84	5	4	4	—	99	88	2	3	3	3

DOMESTIC

Total	7,162	6,855	1	161	47	98	7,186	6,852	—	175	37	122
37	1	—	1	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	1	1	—	—	—	—
35	—	—	—	—	—	—	1	1	—	—	—	—
34	—	—	—	—	—	—	3	3	—	—	—	—
33	—	—	—	—	—	—	4	4	—	—	—	—
31	—	—	—	—	—	—	2	2	—	—	—	—
30	—	—	—	—	—	—	24	24	—	—	—	—
20	—	—	—	—	—	—	1	—	—	—	—	1
18	7,161	6,855	—	161	47	98	7,150	6,817	—	175	37	121
Total trips:											37	121
												15,228

CHELSEA RIVER, MA

Upbound

Downbound

Grand Total	868	12	156	232	2	466	880	13	179	234	2	452
--------------------	------------	-----------	------------	------------	----------	------------	------------	-----------	------------	------------	----------	------------

FOREIGN

Total	154	12	138	2	2	—	180	13	164	—	2	1
38	5	2	3	—	—	—	4	—	4	—	—	—
37	9	3	6	—	—	—	—	—	—	—	—	—
36	17	1	16	—	—	—	5	—	5	—	—	—
35	20	1	19	—	—	—	5	—	5	—	—	—
34	9	2	7	—	—	—	3	—	3	—	—	—
33	21	1	20	—	—	—	6	—	6	—	—	—
32	9	—	9	—	—	—	4	—	4	—	—	—
31	8	—	8	—	—	—	2	—	2	—	—	—
29	3	—	3	—	—	—	1	—	1	—	—	—
28	9	—	9	—	—	—	8	2	6	—	—	—
27	6	2	4	—	—	—	8	5	3	—	—	—
26	6	—	6	—	—	—	5	—	5	—	—	—
25	1	—	—	—	1	—	12	1	11	—	—	—
24	21	—	21	—	—	—	82	—	82	—	—	—
23	—	—	—	—	—	—	5	—	5	—	—	—
22	—	—	—	—	—	—	7	1	6	—	—	—
21	1	—	1	—	—	—	7	1	6	—	—	—
20	—	—	—	—	—	—	1	—	1	—	—	—
19	2	—	1	—	1	—	1	1	—	—	—	—
18	7	—	5	2	—	—	14	2	9	—	2	1

DOMESTIC

Total	714	—	18	230	—	466	700	—	15	234	—	451
37	1	—	1	—	—	—	—	—	—	—	—	—
36	2	—	2	—	—	—	—	—	—	—	—	—
35	2	—	1	—	—	1	—	—	—	—	—	—
32	4	—	3	—	—	1	—	—	—	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
30	1	—	—	—	—	1	1	—	1	—	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
28	3	—	—	—	—	3	—	—	—	—	—	—
27	2	—	—	—	—	2	1	—	1	—	—	—
26	10	—	—	—	—	10	—	—	—	—	—	—
25	38	—	—	—	—	38	2	—	1	—	—	1

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CHELSEA RIVER, MA - continued

Upbound							Downbound					
DOMESTIC												
24	40	—	—	—	—	40	7	—	1	—	—	6
23	20	—	—	—	—	20	—	—	—	—	—	—
22	19	—	—	—	—	19	1	—	—	—	—	1
21	10	—	—	—	—	10	2	—	—	—	—	2
20	23	—	—	—	—	23	9	—	1	—	—	8
19	13	—	—	—	—	13	3	—	—	—	—	3
18	524	—	10	230	—	284	674	—	10	234	—	430
Total trips:											1,748	

MYSTIC RIVER, MA

Upbound							Downbound					
Grand Total	486	76	23	100	190	97	476	80	27	93	185	91

FOREIGN

Total	94	76	18	—	—	—	103	80	23	—	—	—
40	2	—	2	—	—	—	—	—	—	—	—	—
39	—	—	—	—	—	—	1	—	1	—	—	—
38	—	—	—	—	—	—	1	—	1	—	—	—
36	—	—	—	—	—	—	4	4	—	—	—	—
35	9	2	7	—	—	—	5	2	3	—	—	—
34	2	—	2	—	—	—	4	1	3	—	—	—
33	1	—	1	—	—	—	2	1	1	—	—	—
32	—	—	—	—	—	—	6	2	4	—	—	—
31	1	—	1	—	—	—	4	3	1	—	—	—
30	4	4	—	—	—	—	3	3	—	—	—	—
29	1	1	—	—	—	—	—	—	—	—	—	—
28	2	2	—	—	—	—	3	3	—	—	—	—
27	6	5	1	—	—	—	4	2	2	—	—	—
26	6	6	—	—	—	—	10	8	2	—	—	—
25	7	6	1	—	—	—	8	8	—	—	—	—
24	18	16	2	—	—	—	9	7	2	—	—	—
23	7	7	—	—	—	—	5	4	1	—	—	—
22	4	4	—	—	—	—	8	8	—	—	—	—
21	6	6	—	—	—	—	5	4	1	—	—	—
20	2	2	—	—	—	—	3	3	—	—	—	—
19	8	8	—	—	—	—	7	7	—	—	—	—
18	8	7	1	—	—	—	11	10	1	—	—	—

DOMESTIC

Total	392	—	5	100	190	97	373	—	4	93	185	91
35	2	—	2	—	—	—	—	—	—	—	—	—
33	—	—	—	—	—	—	1	—	1	—	—	—
32	1	—	1	—	—	—	1	—	1	—	—	—
31	—	—	—	—	—	—	1	—	1	—	—	—
29	5	—	—	—	—	5	—	—	—	—	—	—
28	4	—	—	—	—	4	—	—	—	—	—	—
27	13	—	—	—	12	1	—	—	—	—	—	—
26	10	—	1	—	4	5	2	—	—	—	—	2
25	7	—	—	—	3	4	2	—	—	—	—	2
24	12	—	—	—	1	11	—	—	—	—	—	—
23	10	—	—	—	3	7	—	—	—	—	—	—
22	9	—	—	—	8	1	2	—	—	—	1	1
21	8	—	—	—	3	5	2	—	—	—	—	2
20	13	—	—	2	1	10	10	—	—	2	6	2
19	8	—	—	—	3	5	2	—	—	—	1	1
18	290	—	1	98	152	39	350	—	1	91	177	81
Total trips:											962	

WEYMOUTH FORE RIVER, MA

Upbound							Downbound					
Grand Total	369	2	39	39	—	289	360	3	36	39	—	282

FOREIGN

Total	35	2	33	—	—	—	35	3	32	—	—	—
39	2	—	2	—	—	—	—	—	—	—	—	—
36	11	—	11	—	—	—	4	—	4	—	—	—

Trips and Drafts of Vessels, 1998
(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

FOREIGN

35	5	—	5	—	—	—	1	—	1	—	—	—
34	2	—	2	—	—	—	—	—	—	—	—	—
33	3	—	3	—	—	—	1	—	1	—	—	—
32	—	—	—	—	—	—	1	—	1	—	—	—
31	2	—	2	—	—	—	2	—	2	—	—	—
30	2	—	2	—	—	—	—	—	—	—	—	—
28	3	—	3	—	—	—	2	—	2	—	—	—
27	—	—	—	—	—	—	1	—	1	—	—	—
26	2	1	1	—	—	—	3	1	2	—	—	—
25	—	—	—	—	—	—	3	—	3	—	—	—
24	2	—	2	—	—	—	12	1	11	—	—	—
23	—	—	—	—	—	—	1	—	1	—	—	—
22	1	1	—	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	1	—	1	—	—	—
18	—	—	—	—	—	—	3	1	2	—	—	—

DOMESTIC

Total	334	—	6	39	—	289	325	—	4	39	—	282
35	3	—	3	—	—	—	—	—	—	—	—	—
30	1	—	1	—	—	—	—	—	—	—	—	—
28	1	—	—	—	—	1	—	—	—	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
25	3	—	—	—	—	3	—	—	—	—	—	—
24	1	—	—	—	—	1	2	—	2	—	—	—
23	2	—	—	—	—	2	—	—	—	—	—	—
22	1	—	—	—	—	1	—	—	—	—	—	—
21	—	—	—	—	—	—	1	—	1	—	—	—
20	6	—	—	—	—	6	1	—	—	—	—	1
19	4	—	—	—	—	4	—	—	—	—	—	—
18	311	—	2	39	—	270	321	—	1	39	—	281
											Total trips:	729

TOWN RIVER, MA

Upbound

Downbound

Grand Total	117	—	4	19	—	94	100	—	5	16	2	77
--------------------	------------	----------	----------	-----------	----------	-----------	------------	----------	----------	-----------	----------	-----------

FOREIGN

Total	4	—	4	—	—	—	8	—	5	1	2	—
28	—	—	—	—	—	—	1	—	1	—	—	—
27	1	—	1	—	—	—	—	—	—	—	—	—
26	1	—	1	—	—	—	1	—	1	—	—	—
25	1	—	1	—	—	—	1	—	1	—	—	—
23	—	—	—	—	—	—	1	—	1	—	—	—
22	1	—	1	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	1	—	1	—	—	—
12	—	—	—	—	—	—	3	—	—	1	2	—

DOMESTIC

Total	113	—	—	19	—	94	92	—	—	15	—	77
25	3	—	—	—	—	3	—	—	—	—	—	—
24	3	—	—	—	—	3	1	—	—	—	—	1
23	5	—	—	—	—	5	—	—	—	—	—	—
22	1	—	—	—	—	1	—	—	—	—	—	—
21	4	—	—	—	—	4	—	—	—	—	—	—
20	4	—	—	—	—	4	—	—	—	—	—	—
19	1	—	—	—	—	1	—	—	—	—	—	—
18	3	—	—	—	—	3	1	—	—	—	—	1
17	18	—	—	—	—	18	3	—	—	—	—	3
16	7	—	—	—	—	7	2	—	—	—	—	2
15	16	—	—	—	—	16	2	—	—	2	—	—
14	7	—	—	—	—	7	—	—	—	—	—	—
13	3	—	—	1	—	2	1	—	—	1	—	—
12	38	—	—	18	—	20	82	—	—	12	—	70
											Total trips:	217

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

CAPE COD CANAL, MA

	Upbound						Downbound					
Grand Total	1,570	178	26	540	243	583	1,590	230	26	539	214	581

FOREIGN

Total	189	178	10	—	—	1	204	194	10	—	—	—
38	—	—	—	—	—	—	3	3	—	—	—	—
35	3	1	2	—	—	—	3	2	1	—	—	—
34	—	—	—	—	—	—	1	1	—	—	—	—
32	—	—	—	—	—	—	2	2	—	—	—	—
31	—	—	—	—	—	—	2	2	—	—	—	—
30	1	1	—	—	—	—	1	1	—	—	—	—
29	—	—	—	—	—	—	2	2	—	—	—	—
28	1	—	1	—	—	—	7	6	1	—	—	—
27	10	10	—	—	—	—	12	10	2	—	—	—
26	21	16	5	—	—	—	24	24	—	—	—	—
25	17	16	1	—	—	—	22	18	4	—	—	—
24	9	9	—	—	—	—	9	8	1	—	—	—
23	12	12	—	—	—	—	3	3	—	—	—	—
22	15	14	1	—	—	—	10	10	—	—	—	—
21	29	29	—	—	—	—	11	11	—	—	—	—
20	2	2	—	—	—	—	7	7	—	—	—	—
19	5	5	—	—	—	—	4	4	—	—	—	—
18	64	63	—	—	—	1	81	80	1	—	—	—

DOMESTIC

Total	1,381	—	16	540	243	582	1,386	36	16	539	214	581
37	—	—	—	—	—	—	1	1	—	—	—	—
36	—	—	—	—	—	—	2	2	—	—	—	—
35	—	—	—	—	—	—	1	1	—	—	—	—
34	—	—	—	—	—	—	2	2	—	—	—	—
33	—	—	—	—	—	—	4	4	—	—	—	—
32	1	—	—	1	—	—	3	1	—	2	—	—
31	1	—	—	—	—	1	—	—	—	—	—	—
30	4	—	—	—	—	4	23	23	—	—	—	—
29	12	—	—	—	—	12	1	—	—	—	—	1
28	24	—	—	—	—	24	2	—	—	—	—	2
27	31	—	—	—	12	19	—	—	—	—	—	—
26	36	—	—	—	4	32	2	—	—	—	—	2
25	38	—	—	—	3	35	1	—	—	—	—	1
24	69	—	—	—	1	68	2	—	—	—	—	2
23	59	—	—	—	3	56	1	—	—	—	—	1
22	52	—	—	—	9	43	2	—	—	—	1	1
21	38	—	—	—	3	35	2	—	—	—	—	2
20	78	—	—	8	13	57	14	—	—	6	5	3
19	41	—	—	—	5	36	45	—	—	43	1	1
18	897	—	16	531	190	160	1,278	2	16	488	207	565
										Total trips:		3,160

NEW BEDFORD AND FAIRHAVEN HARBOR, MA

	Inbound						Outbound					
Grand Total	2,505	756	4	882	173	690	2,514	757	4	881	173	699

FOREIGN

Total	8	8	—	—	—	—	9	9	—	—	—	—
26	4	4	—	—	—	—	2	2	—	—	—	—
23	—	—	—	—	—	—	2	2	—	—	—	—
12	4	4	—	—	—	—	5	5	—	—	—	—

DOMESTIC

Total	2,497	748	4	882	173	690	2,505	748	4	881	173	699
27	1	—	—	—	—	1	—	—	—	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
22	1	—	—	—	—	1	—	—	—	—	—	—
19	1	—	—	—	—	1	—	—	—	—	—	—
18	2	—	—	—	—	2	—	—	—	—	—	—
17	10	—	4	—	—	6	1	—	—	—	—	1
16	7	—	—	4	—	3	6	—	—	6	—	—
15	23	—	—	15	—	8	15	—	—	15	—	—
14	11	—	—	8	—	3	9	—	—	8	1	—
13	10	—	—	9	—	1	17	—	—	8	9	—
12	2,430	748	—	846	173	663	2,457	748	4	844	163	698
										Total trips:		5,019

Trips and Drafts of Vessels, 1998
(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	423	139	21	215	20	28	423	141	23	216	17	26

FOREIGN

Total	98	77	21	—	—	—	104	81	23	—	—	—
36	7	7	—	—	—	—	2	1	1	—	—	—
35	5	5	—	—	—	—	—	—	—	—	—	—
34	2	2	—	—	—	—	1	1	—	—	—	—
33	3	2	1	—	—	—	—	—	—	—	—	—
32	6	4	2	—	—	—	3	2	1	—	—	—
31	1	1	—	—	—	—	—	—	—	—	—	—
30	—	—	—	—	—	—	1	—	1	—	—	—
29	13	12	1	—	—	—	11	11	—	—	—	—
28	6	2	4	—	—	—	4	3	1	—	—	—
27	4	1	3	—	—	—	10	5	5	—	—	—
26	11	8	3	—	—	—	13	8	5	—	—	—
25	14	10	4	—	—	—	14	12	2	—	—	—
24	10	9	1	—	—	—	17	15	2	—	—	—
23	4	4	—	—	—	—	9	8	1	—	—	—
22	1	1	—	—	—	—	3	3	—	—	—	—
21	5	4	1	—	—	—	6	5	1	—	—	—
20	—	—	—	—	—	—	1	1	—	—	—	—
19	—	—	—	—	—	—	2	—	2	—	—	—
18	6	5	1	—	—	—	7	6	1	—	—	—

DOMESTIC

Total	325	62	—	215	20	28	319	60	—	216	17	26
34	62	62	—	—	—	—	—	—	—	—	—	—
29	1	—	—	—	—	1	—	—	—	—	—	—
28	3	—	—	—	—	3	—	—	—	—	—	—
27	2	—	—	—	—	2	—	—	—	—	—	—
26	2	—	—	—	—	2	—	—	—	—	—	—
24	3	—	—	—	—	3	—	—	—	—	—	—
23	4	—	—	—	—	4	—	—	—	—	—	—
22	2	—	—	—	—	2	—	—	—	—	—	—
21	2	—	—	—	—	2	—	—	—	—	—	—
20	24	—	—	2	18	4	2	—	—	2	—	—
19	4	—	—	—	2	2	61	60	—	—	—	1
18	216	—	—	213	—	3	256	—	—	214	17	25
										Total trips:		846

PROVIDENCE RIVER AND HARBOR, RI

	Inbound						Outbound					
Grand Total	1,272	225	117	481	56	393	1,261	221	120	477	52	391

FOREIGN

Total	210	85	107	7	3	8	201	81	110	4	2	4
38	3	—	3	—	—	—	—	—	—	—	—	—
37	2	—	2	—	—	—	1	—	1	—	—	—
36	5	1	4	—	—	—	2	2	—	—	—	—
35	11	4	7	—	—	—	2	—	2	—	—	—
34	24	13	11	—	—	—	6	4	2	—	—	—
33	21	11	10	—	—	—	2	2	—	—	—	—
32	11	4	7	—	—	—	10	6	4	—	—	—
31	10	2	8	—	—	—	3	1	1	1	—	—
30	9	3	6	—	—	—	11	6	5	—	—	—
29	6	2	4	—	—	—	2	1	1	—	—	—
28	10	4	6	—	—	—	7	2	5	—	—	—
27	11	1	10	—	—	—	12	5	7	—	—	—
26	7	3	4	—	—	—	10	3	7	—	—	—
25	9	4	5	—	—	—	25	9	16	—	—	—

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
PROVIDENCE RIVER AND HARBOR, RI - continued												
	Inbound						Outbound					
FOREIGN												
24	16	5	10	—	1	—	36	9	27	—	—	—
23	5	2	1	—	—	2	8	5	3	—	—	—
22	11	4	1	1	1	4	11	5	6	—	—	—
21	3	1	2	—	—	—	11	3	8	—	—	—
20	4	2	1	1	—	—	6	2	4	—	—	—
19	1	1	—	—	—	—	6	3	3	—	—	—
18	31	18	5	5	1	2	30	13	8	3	2	4
DOMESTIC												
Total	1,062	140	10	474	53	385	1,060	140	10	473	50	387
33	2	—	1	—	—	1	—	—	—	—	—	—
32	4	—	1	2	—	1	5	—	2	2	—	1
30	2	—	1	—	—	—	—	—	—	—	—	—
29	8	—	2	—	—	6	1	—	1	—	—	—
28	21	—	—	—	—	21	3	—	—	—	—	3
27	2	—	1	—	—	1	—	—	—	—	—	—
26	8	—	—	—	—	8	2	—	1	—	—	1
25	13	—	—	—	—	13	4	—	1	—	—	3
24	42	—	—	—	—	42	1	—	—	—	—	1
23	24	—	—	—	—	24	—	—	—	—	—	—
22	49	—	—	—	—	49	1	—	—	—	—	1
21	34	—	—	—	—	34	2	—	—	—	—	2
20	49	—	—	2	—	47	8	—	—	—	2	6
19	28	—	—	—	—	28	1	—	—	—	1	—
18	776	140	4	470	53	109	1,032	140	5	471	47	369
										Total trips:		2,533

NEW LONDON HARBOR, CT

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
Grand Total	6,523	6,162	24	149	56	132	6,576	6,217	21	151	58	129
FOREIGN												
Total	22	13	7	—	—	2	21	12	7	—	—	2
40	2	—	—	—	—	2	—	—	—	—	—	—
39	1	—	1	—	—	—	—	—	—	—	—	—
36	4	—	4	—	—	—	—	—	—	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
33	3	2	1	—	—	—	—	—	—	—	—	—
30	1	1	—	—	—	—	1	1	—	—	—	—
29	2	2	—	—	—	—	1	1	—	—	—	—
28	1	1	—	—	—	—	2	—	2	—	—	—
26	—	—	—	—	—	—	1	—	—	—	—	1
25	—	—	—	—	—	—	4	1	2	—	—	1
24	1	1	—	—	—	—	3	1	2	—	—	—
23	—	—	—	—	—	—	1	1	—	—	—	—
21	1	1	—	—	—	—	2	1	1	—	—	—
18	5	5	—	—	—	—	6	6	—	—	—	—
DOMESTIC												
Total	6,501	6,149	17	149	56	130	6,555	6,205	14	151	58	127
41	1	—	1	—	—	—	—	—	—	—	—	—
29	1	—	1	—	—	—	—	—	—	—	—	—
27	1	—	—	—	—	—	—	—	—	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
22	6	—	—	—	6	—	—	—	—	—	—	—
21	34	—	1	—	33	—	—	—	—	—	—	—
20	9	—	1	—	8	—	—	—	—	—	—	—
19	4	—	—	—	2	—	—	—	—	—	—	—
18	6,444	6,149	13	149	7	126	6,554	6,205	13	151	58	127
										Total trips:		13,099

Trips and Drafts of Vessels, 1998
(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

				Upbound						Downbound		
Grand Total	261	2	16	113	49	81	251	2	14	109	50	76

DOMESTIC

Total	261	2	16	113	49	81	251	2	14	109	50	76
28	1	—	1	—	—	—	—	—	—	—	—	—
27	1	—	—	—	—	1	—	—	—	—	—	—
26	1	—	—	—	—	1	—	—	—	—	—	—
22	6	—	—	—	6	—	—	—	—	—	—	—
21	36	—	1	—	35	—	—	—	—	—	—	—
20	7	—	1	—	6	—	—	—	—	—	—	—
19	4	—	—	—	2	2	1	—	1	—	—	—
18	4	—	—	2	—	2	2	—	2	—	—	—
17	65	—	—	49	—	16	52	—	2	50	—	—
16	16	—	5	—	—	11	51	—	2	—	48	1
15	37	—	4	—	—	33	2	—	2	—	—	—
14	16	—	4	10	—	2	8	—	1	6	—	1
13	19	—	—	15	—	4	13	—	—	13	—	—
12	48	2	—	37	—	9	122	2	4	40	2	74
										Total trips:		512

CONNECTICUT RIVER BELOW HARTFORD, CT

				Upbound						Downbound		
Grand Total	40,175	18,033	4	11,046	10,893	199	40,172	18,033	4	11,045	10,893	197

DOMESTIC

Total	40,175	18,033	4	11,046	10,893	199	40,172	18,033	4	11,045	10,893	197
15	1	—	—	—	—	1	—	—	—	—	—	—
14	—	—	—	—	—	—	10,892	—	—	1	10,891	—
13	32	—	—	31	—	1	33	—	—	33	—	—
12	170	—	—	89	—	81	83	—	—	83	—	—
11	121	—	3	26	—	92	30	—	—	30	—	—
10	21	—	1	—	—	20	9	—	1	8	—	—
9	7	—	—	4	—	3	7	—	3	4	—	—
8	1	—	—	—	—	1	—	16,331	—	—	—	—
7	721	721	—	—	—	—	27,217	721	—	10,886	—	—
6	39,101	17,312	—	10,896	10,893	—	1,180	981	—	—	2	197
										Total trips:		80,347

NEW HAVEN HARBOR, CT

				Inbound						Outbound		
Grand Total	2,197	214	120	1,044	149	670	2,186	202	121	1,042	152	669

FOREIGN

Total	238	182	51	2	2	1	227	173	53	—	1	—
38	2	2	—	—	—	—	1	—	1	—	—	—
37	3	2	1	—	—	—	—	—	—	—	—	—
36	12	6	6	—	—	—	6	4	2	—	—	—
35	25	13	12	—	—	—	3	1	2	—	—	—
34	13	8	5	—	—	—	3	3	—	—	—	—
33	19	15	4	—	—	—	6	4	2	—	—	—
32	13	9	4	—	—	—	8	7	1	—	—	—
31	8	7	1	—	—	—	9	7	2	—	—	—
30	7	5	2	—	—	—	13	10	3	—	—	—
29	10	9	1	—	—	—	14	12	2	—	—	—
28	13	12	1	—	—	—	16	12	4	—	—	—
27	19	15	4	—	—	—	14	11	3	—	—	—
26	11	10	1	—	—	—	22	13	9	—	—	—
25	11	9	2	—	—	—	23	14	9	—	—	—
24	13	7	5	—	—	—	22	14	8	—	—	—
23	10	10	—	—	—	—	13	10	3	—	—	—
22	8	7	1	—	—	—	13	12	1	—	—	—
21	14	14	—	—	—	—	8	7	1	—	—	—
20	12	9	1	1	1	—	8	8	—	—	—	—
19	3	3	—	—	—	—	5	5	—	—	—	—
18	12	10	—	1	1	—	20	19	—	—	1	—

Trips and Drafts of Vessels, 1998
(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												
Total	1,959	32	69	1,042	147	669	1,959	29	68	1,042	151	669
36	4	—	4	—	—	—	—	—	—	—	—	—
35	2	—	2	—	—	—	—	—	—	—	—	—
34	1	—	1	—	—	—	1	—	1	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
32	—	—	—	—	—	—	1	—	1	—	—	—
30	2	—	2	—	—	—	2	—	2	—	—	—
29	8	—	3	—	—	5	3	—	3	—	—	—
28	10	—	1	—	—	9	5	—	4	—	—	1
27	22	—	4	—	11	7	1	—	1	—	—	—
26	19	—	—	—	1	18	2	—	—	—	1	1
25	23	—	2	—	3	18	8	—	2	—	1	5
24	32	—	—	—	1	31	7	—	1	—	—	6
23	31	—	—	—	3	28	2	—	—	—	1	1
22	59	—	—	—	2	57	4	—	—	—	3	1
21	44	—	—	—	2	42	2	—	1	—	—	1
20	53	—	—	9	1	43	20	—	3	11	—	6
19	31	—	1	—	1	29	5	—	—	—	5	—
18	1,617	32	48	1,033	122	382	1,896	29	49	1,031	140	647
										Total trips:		4,383

HOUSATONIC RIVER, CT

	Upbound						Downbound					
Grand Total	130	—	—	61	22	47	130	—	—	62	23	45
DOMESTIC												
Total	130	—	—	61	22	47	130	—	—	62	23	45
18	5	—	—	—	—	5	—	—	—	—	—	—
17	1	—	—	—	—	1	—	—	—	—	—	—
16	23	—	—	—	—	23	—	—	—	—	—	—
15	16	—	—	—	—	16	—	—	—	—	—	—
14	20	—	—	18	—	2	18	—	—	18	—	—
13	6	—	—	6	—	—	7	—	—	7	—	—
12	14	—	—	14	—	—	13	—	—	13	—	—
11	3	—	—	—	3	—	—	—	—	—	—	—
10	5	—	—	—	5	—	—	—	—	—	—	—
8	10	—	—	10	—	—	8	—	—	8	—	—
7	—	—	—	—	—	—	1	—	—	—	1	—
6	27	—	—	13	14	—	83	—	—	16	22	45
										Total trips:		260

BRIDGEPORT HARBOR, CT

	Inbound						Outbound					
Grand Total	5,259	3,542	31	865	529	292	5,255	3,540	31	876	519	289
FOREIGN												
Total	106	73	30	1	2	—	103	73	30	—	—	—
37	1	—	1	—	—	—	—	—	—	—	—	—
36	3	—	3	—	—	—	3	—	3	—	—	—
35	4	1	3	—	—	—	4	1	3	—	—	—
34	7	1	6	—	—	—	1	—	1	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
32	5	3	2	—	—	—	1	—	1	—	—	—
31	2	—	2	—	—	—	1	—	1	—	—	—
30	—	—	—	—	—	—	1	—	1	—	—	—
29	2	1	1	—	—	—	1	1	—	—	—	—
28	3	—	3	—	—	—	4	2	2	—	—	—
27	3	—	2	—	1	—	3	—	3	—	—	—
26	45	43	2	—	—	—	7	7	—	—	—	—
25	1	1	—	—	—	—	4	2	2	—	—	—
24	9	7	2	—	—	—	50	43	7	—	—	—
23	7	5	2	—	—	—	2	—	2	—	—	—
22	3	3	—	—	—	—	5	2	3	—	—	—
21	—	—	—	—	—	—	1	—	1	—	—	—
20	4	4	—	—	—	—	10	10	—	—	—	—

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

BRIDGEPORT HARBOR, CT - continued

	Inbound						Outbound					
FOREIGN												
19	1	1	—	—	—	—	—	—	—	—	—	—
18	5	3	—	1	1	—	5	5	—	—	—	—
DOMESTIC												
Total	5,153	3,469	1	864	527	292	5,152	3,467	1	876	519	289
29	5	—	—	—	—	5	—	—	—	—	—	—
28	1	—	—	—	—	1	—	—	—	—	—	—
27	1	—	—	—	—	1	—	—	—	—	—	—
26	—	—	—	—	—	—	3	—	—	—	—	3
25	2	—	—	—	—	2	4	—	—	—	—	4
24	18	—	—	—	—	18	3	—	—	—	—	3
23	5	—	—	—	—	5	1	—	—	—	—	1
22	20	—	—	—	—	20	—	—	—	—	—	—
21	8	—	—	—	—	8	3	—	—	—	—	3
20	45	—	—	6	19	20	12	—	—	2	2	8
19	48	—	—	—	14	34	4	—	—	—	—	4
18	5,000	3,469	1	858	494	178	5,122	3,467	1	874	517	263
										Total trips:	517	10,514

NORWALK HARBOR, CT

	Inbound						Outbound					
Grand Total	1,166	637	—	230	204	95	1,160	633	—	229	205	93
DOMESTIC												
Total	1,166	637	—	230	204	95	1,160	633	—	229	205	93
17	1	—	—	1	—	—	2	—	—	2	—	—
16	15	—	—	—	—	15	—	—	—	—	—	—
15	37	—	—	—	—	37	—	—	—	—	—	—
14	23	—	—	23	—	—	21	—	—	21	—	—
13	11	—	—	11	—	—	12	—	—	12	—	—
12	66	—	—	40	—	26	42	—	—	42	—	—
11	58	—	—	2	54	2	4	—	—	3	1	—
10	112	—	—	4	108	—	2	—	—	2	—	—
9	52	—	—	—	41	11	16	—	—	16	—	—
8	231	93	—	134	1	3	209	91	—	118	—	—
7	15	—	—	15	—	—	13	—	—	13	—	—
6	545	544	—	—	—	1	839	542	—	—	204	93
										Total trips:	204	2,326

STAMFORD HARBOR, CT

	Inbound						Outbound					
Grand Total	1,434	13	23	645	712	41	1,437	14	23	645	712	43
DOMESTIC												
Total	1,434	13	23	645	712	41	1,437	14	23	645	712	43
16	9	—	9	—	—	—	—	—	—	—	—	—
15	12	—	12	—	—	—	—	—	—	—	—	—
14	1	—	1	—	—	—	—	—	—	—	—	—
13	25	—	1	—	—	24	33	—	—	33	—	—
12	1,387	13	—	645	712	17	1,404	14	23	612	712	43
										Total trips:	712	2,871

ANDREWS RIVER, MA
No Vessel Trips Reported

ANNISQUAM RIVER, MA
No Vessel Trips Reported

Trips and Drafts of Vessels, 1998
(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
APPONAUG COVE, RI No Vessel Trips Reported												
BAR HARBOR, ME (7 feet and less)												
				Inbound							Outbound	
Grand Total	606	606	---	---	---	---	606	606	---	---	---	---
											Total trips:	1,212
BASS HARBOR, ME (9 feet and less)												
				Inbound							Outbound	
Grand Total	2,261	2,261	---	---	---	---	2,261	2,261	---	---	---	---
											Total trips:	4,522
BEALS HARBOR, ME No Vessel Trips Reported												
BELFAST HARBOR, ME (24 feet and less)												
				Inbound							Outbound	
Grand Total	121	1	---	120	---	---	121	1	---	120	---	---
											Total trips:	242
BEVERLY HARBOR, MA No Vessel Trips Reported												
BOOTHBAY HARBOR, ME (12 feet and less)												
				Inbound							Outbound	
Grand Total	1,713	1,713	---	---	---	---	1,712	1,712	---	---	---	---
											Total trips:	3,425
BRANFORD HARBOR, CT No Vessel Trips Reported												
BRISTOL HARBOR, RI No Vessel Trips Reported												
BUNKER HARBOR, ME No Vessel Trips Reported												
CAMDEN HARBOR, ME (7 feet and less)												
				Inbound							Outbound	
Grand Total	6	6	---	---	---	---	6	6	---	---	---	---
											Total trips:	12
CANAPITSIT CHANNEL, MA (8 feet and less)												
				Upbound							Downbound	
Grand Total	4	---	---	2	---	2	---	---	---	---	---	---
											Total trips:	4
CAPE PORPOISE HARBOR, ME No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(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
CARVERS HARBOR, ME (9 feet and less)												
				Inbound						Outbound		
Grand Total	1,668	1,641	27	—	—	—	1,645	1,641	4	—	—	—
										Total trips:		3,313
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 (19 feet and less)												
				Inbound						Outbound		
Grand Total	193	193	—	—	—	—	205	205	—	—	—	—
										Total trips:		398
CRIEHAVEN HARBOR, ME No Vessel Trips Reported												
CROSS RIP SHOALS, NANTUCKET SOUND, MA (16 feet and less)												
				Upbound						Downbound		
Grand Total	784	684	11	44	34	11	796	684	11	48	40	13
										Total trips:		1,580
CUTTYHUNK HARBOR, MA (8 feet and less)												
				Inbound						Outbound		
Grand Total	242	232	—	5	3	2	240	231	—	4	3	2
										Total trips:		482
DAMARISCOTTA RIVER, ME No Vessel Trips Reported												
DORCHESTER BAY, MA No Vessel Trips Reported												
DUXBURY HARBOR, MA No Vessel Trips Reported												
EDGARTOWN HARBOR, MA (4 feet and less)												
				Inbound						Outbound		
Grand Total	72,432	72,432	—	—	—	—	72,432	72,432	—	—	—	—
										Total trips:		144,864
ESSEX RIVER, MA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(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
FALMOUTH HARBOR, MA (7 feet and less)												
					Inbound				Outbound			
Grand Total	2,584	2,584	---	---	---	---	2,582	2,582	---	---	---	---
											Total trips:	5,166
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	446	131	313	2	---	---	447	133	313	1	---	---
											Total trips:	893
GREAT SALT POND, BLOCK ISLAND, RI (10 feet and less)												
					Inbound				Outbound			
Grand Total	120	120	---	---	---	---	120	120	---	---	---	---
											Total trips:	240
GREEN HARBOR, MA (1 feet and less)												
					Inbound				Outbound			
Grand Total	25	25	---	---	---	---	25	25	---	---	---	---
											Total trips:	50
GREENWICH BAY, RI No Vessel Trips Reported												
GREENWICH HARBOR, CT (8 feet and less)												
					Inbound				Outbound			
Grand Total	1,705	1,705	---	---	---	---	1,705	1,705	---	---	---	---
											Total trips:	3,410
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 (10 feet and less)												
					Inbound				Outbound			
Grand Total	1,701	1,700	---	---	---	1	1,701	1,700	---	---	---	1
											Total trips:	3,402

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
HARBOR OF REFUGE, NANTUCKET, MA (16 feet and less)												
				Inbound							Outbound	
Grand Total	9,972	9,860	11	48	40	13	9,961	9,860	11	45	34	11
										Total trips:		19,933
HARBOR OF REFUGE, POINT JUDITH AND POINT JUDITH POND, RI (13 feet and less)												
				Inbound							Outbound	
Grand Total	1,394	1,392	—	2	—	—	1,392	1,392	—	—	—	—
										Total trips:		2,786
HARRASEEKET RIVER, ME (6 feet and less)												
				Upbound							Downbound	
Grand Total	475	475	—	—	—	—	475	475	—	—	—	—
										Total trips:		950
HAY (WEST) HARBOR, NY (8 feet and less)												
				Inbound							Outbound	
Grand Total	1,988	1,988	—	—	—	—	1,988	1,988	—	—	—	—
										Total trips:		3,976
HENDRICKS HARBOR, ME No Vessel Trips Reported												
HINGHAM HARBOR, MA No Vessel Trips Reported												
HYANNIS HARBOR, MA (11 feet and less)												
				Inbound							Outbound	
Grand Total	12,043	12,043	—	—	—	—	12,043	12,043	—	—	—	—
										Total trips:		24,086
IPSWICH RIVER, MA No Vessel Trips Reported												
ISLE AU HAUT THOROUGHFARE, ME (9 feet and less)												
				Upbound							Downbound	
Grand Total	625	615	10	—	—	—	625	615	10	—	—	—
										Total trips:		1,250
ISLE OF SHOALS HARBOR, ME AND NH No Vessel Trips Reported												
JOSIAS RIVER, ME No Vessel Trips Reported												
KENNEBEC RIVER, ME (12 feet and less)												
				Upbound							Downbound	
Grand Total	7	2	—	4	1	—	3	1	—	2	—	—
										Total trips:		10
KENNEBUNK RIVER, ME No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(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
LAGOON POND, MARTHA'S VINEYARD, MA No Vessel Trips Reported												
LUBEC CHANNEL, ME No Vessel Trips Reported												
LYNN HARBOR, MA (10 feet and less)												
				Inbound							Outbound	
Grand Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:	1	2
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												
MATINICUS HARBOR, ME (9 feet and less)												
				Inbound							Outbound	
Grand Total	56	47	9	---	---	---	56	47	9	---	---	---
										Total trips:	---	112
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	1,520	1,520	---	---	---	---	1,520	1,520	---	---	---	---
										Total trips:	---	3,040
NARRAGUAGUS RIVER, ME No Vessel Trips Reported												
NEPONSET RIVER, MA No Vessel Trips Reported												
NEW HARBOR, ME No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(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
NEWBURYPORT HARBOR, MA (5 feet and less)												
				Inbound							Outbound	
Grand Total	220	220	---	---	---	---	220	220	---	---	---	---
										Total trips:	---	440
NEWPORT HARBOR, RI (28 feet and less)												
				Upbound							Downbound	
Grand Total	2,988	2,969	7	12	---	---	2,989	2,966	7	16	---	---
										Total trips:	---	5,977
NIANTIC BAY AND HARBOR, CT (8 feet and less)												
				Inbound							Outbound	
Grand Total	262	262	---	---	---	---	262	262	---	---	---	---
										Total trips:	---	524
NORTHEAST HARBOR, ME (6 feet and less)												
				Inbound							Outbound	
Grand Total	4,152	1,912	---	1,120	1,120	---	4,152	1,912	---	1,120	1,120	---
										Total trips:	---	8,304
OWLS HEAD HARBOR, ME No Vessel Trips Reported												
PATCHOGUE RIVER, CT No Vessel Trips Reported												
PAWCATUCK RIVER, RI AND CT No Vessel Trips Reported												
PLEASANT RIVER, ME No Vessel Trips Reported												
PLYMOUTH HARBOR, MA (7 feet and less)												
				Upbound							Downbound	
Grand Total	1,047	1,047	---	---	---	---	1,048	1,048	---	---	---	---
										Total trips:	---	2,095
PROVINCETOWN HARBOR, MA (9 feet and less)												
				Inbound							Outbound	
Grand Total	1,687	1,685	---	2	---	---	1,687	1,685	---	2	---	---
										Total trips:	---	3,374
RED BROOK HARBOR, BOURNE, MA No Vessel Trips Reported												
ROCKLAND HARBOR, ME (23 feet and less)												
				Inbound							Outbound	
Grand Total	3,006	2,932	74	---	---	---	3,024	2,949	75	---	---	---
										Total trips:	---	6,030
ROCKPORT HARBOR, MA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(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
ROCKPORT HARBOR, ME No Vessel Trips Reported												
ROYAL RIVER, ME (2 feet and less)												
				Upbound							Downbound	
Grand Total	1	—	—	1	—	—	1	—	—	1	—	—
										Total trips:		2
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	2	—	—	2	—	—	—	—	—	—	—	—
										Total trips:		2
SCARBORO RIVER, ME No Vessel Trips Reported												
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 No Vessel Trips Reported												
ST. CROIX RIVER, ME No Vessel Trips Reported												
STOCKTON HARBOR, ME No Vessel Trips Reported												
STONINGTON HARBOR, CT No Vessel Trips Reported												
STONINGTON HARBOR, ME (8 feet and less)												
				Inbound							Outbound	
Grand Total	617	615	2	—	—	—	617	615	2	—	—	—
										Total trips:		1,234
STONY CREEK, CT No Vessel Trips Reported												
TAUNTON RIVER, MA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(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

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	13,561	12,974	---	287	119	181	13,555	12,974	---	290	118	173
	Total trips:											27,116

WAREHAM HARBOR, MA
No Vessel Trips Reported

WARREN RIVER, RI
(6 feet and less)

	Upbound						Downbound					
Grand Total	4	4	---	---	---	---	7	7	---	---	---	---
	Total trips:											11

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	2	---	---	1	1	---	2	---	---	1	1	---
	Total trips:											4

WEYMOUTH BACK RIVER, MA
(9 feet and less)

	Upbound						Downbound					
Grand Total	1,467	1,467	---	---	---	---	1,467	1,467	---	---	---	---
	Total trips:											2,934

WICKFORD HARBOR, RI
(13 feet and less)

	Inbound						Outbound					
Grand Total	6	---	---	6	---	---	---	---	---	---	---	---
	Total trips:											6

WINTHROP HARBOR, MA
No Vessel Trips Reported

WOOD ISLAND HARBOR, ME AND THE POOL AT BIDDEFORD
No Vessel Trips Reported

WOODS HOLE CHANNEL, MA
(24 feet and less)

	Upbound						Downbound					
Grand Total	16,758	16,106	1	325	155	171	16,768	16,104	---	325	156	183
	Total trips:											33,526

YORK HARBOR, ME
No Vessel Trips Reported

Trips and Drafts of Vessels, 1998
(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	2,098	—	313	928	761	96	2,085	—	309	928	759	89
DOMESTIC												
Total	2,098	—	313	928	761	96	2,085	—	309	928	759	89
15	2	—	—	2	—	—	—	—	—	—	—	—
13	1	—	—	—	—	1	—	—	—	—	—	—
12	312	—	308	2	1	1	1	—	—	—	1	—
11	168	—	4	2	101	61	2	—	—	2	—	—
10	283	—	1	4	248	30	2	—	—	2	—	—
9	389	—	—	156	232	1	258	—	95	163	—	—
8	589	—	—	562	27	—	805	—	206	566	33	—
7	265	—	—	191	74	—	197	—	6	186	5	—
6	89	—	—	9	78	2	820	—	2	9	720	89
Total trips:											4,183	

FLUSHING BAY AND CREEK, NY

	Upbound						Downbound					
Grand Total	3,689	75	67	1,250	2,214	83	3,679	75	64	1,250	2,210	80
DOMESTIC												
Total	3,689	75	67	1,250	2,214	83	3,679	75	64	1,250	2,210	80
17	20	—	—	—	20	—	—	—	—	—	—	—
16	1	—	—	—	1	—	—	—	—	—	—	—
15	4	—	—	—	3	1	—	—	—	—	—	—
14	9	—	2	—	2	5	—	—	—	—	—	—
13	28	—	—	6	—	22	6	—	—	6	—	—
12	95	—	—	55	8	32	46	—	—	46	—	—
11	577	—	65	38	465	9	38	—	—	36	1	1
10	389	—	—	8	373	8	8	—	—	8	—	—
9	259	—	—	70	183	6	87	—	2	84	—	1
8	336	—	—	313	23	—	320	—	—	320	—	—
7	814	—	—	758	56	—	1,891	—	62	750	1,078	1
6	1,157	75	—	2	1,080	—	1,283	75	—	—	1,131	77
Total trips:											7,368	

HUDSON RIVER, NY (LOWER SECTION)

	Upbound						Downbound					
Grand Total	150	6	1	106	28	9	143	3	1	102	28	9
FOREIGN												
Total	7	6	1	—	—	—	4	3	1	—	—	—
35	3	3	—	—	—	—	—	—	—	—	—	—
33	—	—	—	—	—	—	1	1	—	—	—	—
30	—	—	—	—	—	—	1	1	—	—	—	—
29	1	1	—	—	—	—	—	—	—	—	—	—
26	1	—	1	—	—	—	1	—	1	—	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—
18	1	1	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	143	—	—	106	28	9	139	—	—	102	28	9
26	1	—	—	—	1	—	—	—	—	—	—	—
24	2	—	—	—	2	—	—	—	—	—	—	—
23	17	—	—	—	17	—	—	—	—	—	—	—
21	6	—	—	—	6	—	—	—	—	—	—	—
20	2	—	—	—	2	—	—	—	—	—	1	—
18	115	—	—	106	—	9	138	—	—	102	27	9
Total trips:											293	

Trips and Drafts of Vessels, 1998
(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	10,518	8,664	169	401	1,139	145	10,503	8,677	172	392	1,123	139

FOREIGN

Total	141	137	4	—	—	—	160	149	7	2	2	—
45	—	—	—	—	—	—	1	—	1	—	—	—
39	2	2	—	—	—	—	1	1	—	—	—	—
37	4	4	—	—	—	—	4	4	—	—	—	—
36	—	—	—	—	—	—	2	2	—	—	—	—
35	7	7	—	—	—	—	8	8	—	—	—	—
34	6	6	—	—	—	—	5	5	—	—	—	—
32	2	2	—	—	—	—	2	2	—	—	—	—
31	14	14	—	—	—	—	5	5	—	—	—	—
30	7	7	—	—	—	—	17	17	—	—	—	—
29	8	8	—	—	—	—	8	8	—	—	—	—
28	12	12	—	—	—	—	4	3	1	—	—	—
27	5	5	—	—	—	—	8	7	1	—	—	—
26	8	8	—	—	—	—	10	10	—	—	—	—
25	28	28	—	—	—	—	29	29	—	—	—	—
24	17	17	—	—	—	—	16	16	—	—	—	—
23	9	9	—	—	—	—	9	8	1	—	—	—
22	1	—	1	—	—	—	9	7	—	1	—	—
21	—	—	—	—	—	—	8	8	—	—	—	—
20	2	2	—	—	—	—	3	2	1	—	—	—
19	1	—	1	—	—	—	1	1	—	—	—	—
18	8	6	2	—	—	—	10	6	2	1	—	—

DOMESTIC

Total	10,377	8,527	165	401	1,139	145	10,343	8,528	165	390	1,121	139
18	10,377	8,527	165	401	1,139	145	10,343	8,528	165	390	1,121	139
										Total trips:		21,021

EAST RIVER, NY

	Upbound						Downbound					
Grand Total	44,258	42,569	114	857	296	422	44,232	42,570	109	856	296	401

FOREIGN

Total	86	83	1	1	—	1	88	84	2	1	1	—
44	1	1	—	—	—	—	—	—	—	—	—	—
41	2	2	—	—	—	—	1	1	—	—	—	—
40	2	1	1	—	—	—	—	—	—	—	—	—
39	2	2	—	—	—	—	1	1	—	—	—	—
38	2	2	—	—	—	—	—	—	—	—	—	—
36	5	5	—	—	—	—	2	2	—	—	—	—
35	2	2	—	—	—	—	—	—	—	—	—	—
34	2	2	—	—	—	—	—	—	—	—	—	—
33	11	11	—	—	—	—	3	3	—	—	—	—
32	5	5	—	—	—	—	1	1	—	—	—	—
31	6	4	—	1	—	1	5	3	—	1	—	—
30	4	4	—	—	—	—	—	—	—	—	—	—
29	4	4	—	—	—	—	2	2	—	—	—	—
28	18	18	—	—	—	—	1	—	1	—	—	—
27	11	11	—	—	—	—	2	1	1	—	—	—
26	—	—	—	—	—	—	9	9	—	—	—	—
25	—	—	—	—	—	—	7	7	—	—	—	—
24	9	9	—	—	—	—	4	4	—	—	—	—
23	—	—	—	—	—	—	5	5	—	—	—	—
22	—	—	—	—	—	—	24	24	—	—	—	—
21	—	—	—	—	—	—	12	12	—	—	—	—
20	—	—	—	—	—	—	1	1	—	—	—	—
19	—	—	—	—	—	—	3	3	—	—	—	—
18	—	—	—	—	—	—	5	5	—	—	—	—

DOMESTIC

Total	44,172	42,486	113	856	296	421	44,144	42,486	107	855	295	401
31	—	—	—	—	—	—	1	—	1	—	—	—
30	1	—	—	—	—	1	1	—	—	—	—	1
29	3	—	1	—	—	2	—	—	—	—	—	—
28	5	—	1	—	—	4	1	—	—	—	—	1
27	8	—	1	—	—	7	2	—	—	—	—	2

Trips and Drafts of Vessels, 1998
(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												
26	12	—	—	—	—	12	5	—	1	—	—	4
25	21	—	—	—	—	21	4	—	—	—	—	4
24	28	—	—	—	—	26	3	—	—	—	—	3
23	14	—	—	—	2	11	8	—	—	—	—	8
22	8	—	—	—	1	7	1	—	—	—	—	1
21	10	—	—	—	1	9	2	—	—	—	—	2
20	20	—	—	6	1	13	13	—	—	12	—	1
19	33	—	—	—	—	33	1	—	—	—	—	1
18	44,009	42,486	110	850	288	275	44,102	42,486	105	843	295	373
										Total trips:		88,490
NEWTOWN CREEK, NY												
	Upbound						Downbound					
Grand Total	1,840	3	54	363	1,269	151	1,831	1	51	363	1,269	147
FOREIGN												
Total	3	2	1	—	—	—	1	—	1	—	—	—
24	1	—	1	—	—	—	—	—	—	—	—	—
20	2	2	—	—	—	—	1	—	1	—	—	—
DOMESTIC												
Total	1,837	1	53	363	1,269	151	1,830	1	50	363	1,269	147
18	10	—	—	2	—	8	—	—	—	—	—	—
15	3	—	—	—	1	2	78	—	—	—	78	—
14	11	—	3	6	—	2	6	—	—	6	—	—
13	6	—	3	—	—	3	—	—	—	—	—	1
12	1,807	1	47	355	1,268	136	1,745	1	50	357	1,191	146
										Total trips:		3,671
BUTTERMILK CHANNEL, NY												
	Upbound						Downbound					
Grand Total	782	327	124	219	50	62	786	324	132	218	52	60
FOREIGN												
Total	295	288	5	1	1	—	295	292	3	—	—	—
39	20	19	1	—	—	—	13	13	—	—	—	—
38	10	8	2	—	—	—	5	4	1	—	—	—
37	17	17	—	—	—	—	6	6	—	—	—	—
36	24	22	—	1	1	—	17	17	—	—	—	—
35	36	36	—	—	—	—	22	22	—	—	—	—
34	4	4	—	—	—	—	8	8	—	—	—	—
33	9	9	—	—	—	—	9	9	—	—	—	—
32	15	15	—	—	—	—	33	33	—	—	—	—
31	22	21	1	—	—	—	33	32	1	—	—	—
30	21	20	1	—	—	—	18	17	1	—	—	—
29	25	25	—	—	—	—	22	22	—	—	—	—
28	20	20	—	—	—	—	18	18	—	—	—	—
27	7	7	—	—	—	—	11	11	—	—	—	—
26	11	11	—	—	—	—	16	16	—	—	—	—
25	13	13	—	—	—	—	12	12	—	—	—	—
24	9	9	—	—	—	—	8	8	—	—	—	—
23	9	9	—	—	—	—	10	10	—	—	—	—
22	3	3	—	—	—	—	7	7	—	—	—	—
21	6	6	—	—	—	—	10	10	—	—	—	—
20	4	4	—	—	—	—	4	4	—	—	—	—
19	3	3	—	—	—	—	3	3	—	—	—	—
18	7	7	—	—	—	—	10	10	—	—	—	—
DOMESTIC												
Total	468	20	119	218	49	62	478	19	129	218	52	60
18	468	20	119	218	49	62	478	19	129	218	52	60
										Total trips:		946

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

BAY RIDGE AND RED HOOK CHANNELS, NY

	Upbound						Downbound					
Grand Total	4,357	1,793	6	2,115	441	2	4,357	1,794	3	2,115	442	3

FOREIGN

Total	14	13	1	—	—	—	15	15	—	—	—	—
45	1	1	—	—	—	—	—	—	—	—	—	—
43	1	1	—	—	—	—	—	—	—	—	—	—
39	1	1	—	—	—	—	1	1	—	—	—	—
36	1	1	—	—	—	—	4	4	—	—	—	—
35	1	1	—	—	—	—	2	2	—	—	—	—
31	2	1	1	—	—	—	1	1	—	—	—	—
30	1	1	—	—	—	—	1	1	—	—	—	—
28	1	1	—	—	—	—	1	1	—	—	—	—
27	1	1	—	—	—	—	—	—	—	—	—	—
25	1	1	—	—	—	—	2	2	—	—	—	—
21	—	—	—	—	—	—	1	1	—	—	—	—
19	—	—	—	—	—	—	1	1	—	—	—	—
18	3	3	—	—	—	—	1	1	—	—	—	—

DOMESTIC

Total	4,343	1,780	5	2,115	441	2	4,342	1,779	3	2,115	442	3
20	2	—	—	2	—	—	2	—	—	2	—	—
18	4,341	1,780	5	2,113	441	2	4,340	1,779	3	2,113	442	3
										Total trips:		8,714

GOWANUS CREEK CHANNEL, NY

	Upbound						Downbound					
Grand Total	2,879	16	21	1,519	1,239	84	2,880	15	22	1,519	1,248	76

FOREIGN

Total	3	3	—	—	—	—	3	2	1	—	—	—
31	2	2	—	—	—	—	—	—	—	—	—	—
27	1	1	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	1	—	1	—	—	—
23	—	—	—	—	—	—	1	1	—	—	—	—
18	—	—	—	—	—	—	1	1	—	—	—	—

DOMESTIC

Total	2,876	13	21	1,519	1,239	84	2,877	13	21	1,519	1,248	76
27	12	—	—	—	—	12	—	—	—	—	—	—
26	2	—	—	—	—	2	—	—	—	—	—	—
25	3	—	—	—	—	3	—	—	—	—	—	—
24	2	—	—	—	—	2	1	—	—	—	—	1
23	2	—	—	—	—	2	—	—	—	—	—	—
22	2	—	—	—	—	2	—	—	—	—	—	—
21	2	—	—	—	—	2	—	—	—	—	—	—
20	4	—	—	—	—	4	—	—	—	—	—	—
19	4	—	—	—	—	4	—	—	—	—	—	—
18	2,843	13	21	1,519	1,239	51	2,876	13	21	1,519	1,248	75
										Total trips:		5,759

CONEY ISLAND CHANNEL, NY

	Upbound						Downbound					
Grand Total	527	—	1	226	145	155	538	—	2	217	145	174

DOMESTIC

Total	527	—	1	226	145	155	538	—	2	217	145	174
14	—	—	—	—	—	—	3	—	—	—	—	3
13	—	—	—	—	—	—	30	—	—	—	—	30
12	—	—	—	—	—	—	25	—	—	—	2	23
11	—	—	—	—	—	—	65	—	1	—	52	12
10	—	—	—	—	—	—	62	—	1	—	56	5
9	1	—	1	—	—	—	59	—	—	—	22	37
8	125	—	—	125	—	—	130	—	—	128	2	—
7	29	—	—	29	—	—	39	—	—	26	11	2

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
CONEY ISLAND CHANNEL, NY - continued												
	Upbound						Downbound					
DOMESTIC												
6	72	—	—	72	—	—	73	—	—	63	—	10
4	57	—	—	—	—	57	19	—	—	—	—	19
3	10	—	—	—	—	10	14	—	—	—	—	14
2	233	—	—	—	145	88	19	—	—	—	—	19
										Total trips:		1,065
EAST ROCKAWAY INLET, NY												
	Upbound						Downbound					
Grand Total	344	—	138	16	—	190	329	—	136	15	—	178
DOMESTIC												
Total	344	—	138	16	—	190	329	—	136	15	—	178
13	4	—	—	—	—	4	—	—	—	—	—	—
12	293	—	122	—	—	171	—	—	—	—	—	—
11	26	—	15	—	—	11	—	—	—	—	—	—
10	6	—	—	2	—	4	5	—	1	4	—	—
9	5	—	1	4	—	—	131	—	127	4	—	—
8	—	—	—	—	—	—	8	—	8	—	—	—
7	9	—	—	9	—	—	7	—	—	7	—	—
6	1	—	—	1	—	—	178	—	—	—	—	178
										Total trips:		673
JAMAICA BAY, NY												
	Upbound						Downbound					
Grand Total	889	2	45	432	235	175	876	2	44	421	235	174
DOMESTIC												
Total	889	2	45	432	235	175	876	2	44	421	235	174
14	11	—	8	—	—	3	—	—	—	—	—	—
13	33	—	—	2	—	31	2	—	—	2	—	—
12	845	2	37	430	235	141	874	2	44	419	235	174
										Total trips:		1,765
RARITAN RIVER, NJ												
	Upbound						Downbound					
Grand Total	1,752	2	2	888	713	147	1,735	6	2	887	703	137
FOREIGN												
Total	2	2	—	—	—	—	6	6	—	—	—	—
16	2	2	—	—	—	—	3	3	—	—	—	—
15	—	—	—	—	—	—	1	1	—	—	—	—
12	—	—	—	—	—	—	2	2	—	—	—	—
DOMESTIC												
Total	1,750	—	2	888	713	147	1,729	—	2	887	703	137
28	1	—	—	—	—	1	—	—	—	—	—	—
25	1	—	—	—	—	1	—	—	—	—	—	—
24	1	—	—	—	—	1	1	—	—	—	—	1
23	3	—	—	—	—	3	5	—	—	—	—	5
22	3	—	—	—	—	3	1	—	—	—	—	1
21	2	—	—	—	—	2	5	—	—	—	—	5
20	2	—	—	—	—	2	8	—	—	—	—	8
19	9	—	—	—	—	9	6	—	—	—	—	6
18	9	—	—	—	—	9	8	—	—	—	—	8
17	3	—	—	—	—	3	3	—	—	—	—	3
16	190	—	—	184	—	6	188	—	1	182	—	5
15	86	—	—	80	1	5	93	—	—	86	1	6
14	8	—	—	2	—	6	12	—	1	2	—	9
13	105	—	—	103	—	2	112	—	—	102	—	10
12	1,327	—	2	519	712	94	1,287	—	—	515	702	70
										Total trips:		3,487

Trips and Drafts of Vessels, 1998
(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

	Upbound						Downbound					
Grand Total	44,982	34,808	966	7,323	748	1,137	44,927	34,813	897	7,322	764	1,131

FOREIGN

Total	922	532	380	5	1	4	866	546	312	3	1	4
48	23	10	13	—	—	—	3	1	2	—	—	—
47	29	6	23	—	—	—	6	3	3	—	—	—
46	45	13	32	—	—	—	11	3	8	—	—	—
45	27	12	15	—	—	—	14	5	9	—	—	—
44	12	7	5	—	—	—	3	1	2	—	—	—
43	19	3	16	—	—	—	3	1	2	—	—	—
42	31	15	16	—	—	—	6	1	5	—	—	—
41	32	16	16	—	—	—	9	4	5	—	—	—
40	64	36	28	—	—	—	42	35	7	—	—	—
39	56	32	24	—	—	—	26	18	8	—	—	—
38	50	15	35	—	—	—	12	11	1	—	—	—
37	69	32	36	—	1	—	30	26	4	—	—	—
36	42	22	20	—	—	—	29	22	7	—	—	—
35	39	27	12	—	—	—	21	19	2	—	—	—
34	26	13	13	—	—	—	20	18	2	—	—	—
33	38	31	7	—	—	—	37	29	8	—	—	—
32	24	17	7	—	—	—	25	24	1	—	—	—
31	40	30	9	1	—	—	52	39	12	—	—	1
30	23	17	6	—	—	—	59	27	32	—	—	—
29	21	11	10	—	—	—	45	17	28	—	—	—
28	18	12	6	—	—	—	72	30	42	—	—	—
27	27	25	2	—	—	—	79	45	34	—	—	—
26	34	29	5	—	—	—	61	47	14	—	—	—
25	33	28	5	—	—	—	57	36	20	—	—	1
24	28	18	10	—	—	—	40	22	18	—	—	—
23	8	7	1	—	—	—	19	13	6	—	—	—
22	7	6	—	—	—	1	17	13	4	—	—	—
21	17	12	4	—	—	1	24	13	11	—	—	—
20	9	7	2	—	—	—	8	4	4	—	—	—
19	4	3	—	1	—	—	11	6	4	1	—	—
18	27	20	2	3	—	2	25	13	7	2	1	2

DOMESTIC

Total	44,060	34,276	586	7,318	747	1,133	44,061	34,267	585	7,319	763	1,127
41	35	—	35	—	—	—	—	—	—	—	—	—
40	15	—	15	—	—	—	—	—	—	—	—	—
39	3	—	3	—	—	—	—	—	—	—	—	—
38	2	—	2	—	—	—	1	—	1	—	—	—
37	1	—	1	—	—	—	—	—	—	—	—	—
36	3	—	2	—	—	1	—	—	—	—	—	—
35	3	—	1	—	—	2	1	—	1	—	—	—
34	3	—	2	—	—	1	1	—	1	—	—	—
33	35	—	33	—	—	2	2	—	2	—	—	—
32	14	—	7	6	—	1	2	—	2	—	—	—
31	8	—	7	—	—	1	6	—	6	—	—	—
30	6	—	6	—	—	—	2	—	2	—	—	—
29	7	—	4	2	—	1	5	—	4	1	—	—
28	4	—	2	—	—	2	3	—	2	—	1	—
27	15	—	1	—	—	14	8	—	4	—	—	4
26	22	—	2	—	—	20	4	—	3	—	—	1
25	28	—	—	—	—	28	13	1	4	—	4	4
24	34	—	1	—	—	33	13	—	4	—	—	9
23	56	—	—	—	—	56	3	—	—	—	—	3
22	28	—	—	—	—	28	—	—	—	—	—	—
21	26	—	1	—	—	25	1	—	—	—	—	1
20	46	—	—	4	—	42	15	—	—	6	3	6
19	35	—	—	—	1	34	5	—	—	—	1	4
18	43,631	34,276	461	7,306	746	842	43,976	34,266	549	7,312	754	1,095
										Total trips:		89,909

NEWARK BAY, NJ

	Upbound						Downbound					
Grand Total	7,467	3,545	382	2,667	172	701	7,482	3,594	366	2,666	155	701

FOREIGN

Total	2,002	1,926	71	2	3	—	2,124	2,053	68	1	1	1
39	250	246	4	—	—	—	168	168	—	—	—	—
38	148	142	6	—	—	—	92	91	1	—	—	—

Trips and Drafts of Vessels, 1998
(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												
37	164	156	8	—	—	—	170	168	2	—	—	—
36	136	134	1	—	—	1	130	130	—	—	—	—
35	321	313	8	—	—	—	274	270	4	—	—	—
34	108	107	1	—	—	—	137	137	—	—	—	—
33	130	123	7	—	—	—	123	118	5	—	—	—
32	83	78	5	—	—	—	117	115	2	—	—	—
31	119	114	5	—	—	—	133	130	3	—	—	—
30	76	71	5	—	—	—	76	74	2	—	—	—
29	71	68	3	—	—	—	85	80	5	—	—	—
28	67	67	—	—	—	—	106	102	4	—	—	—
27	63	58	5	—	—	—	93	89	4	—	—	—
26	56	53	3	—	—	—	79	76	3	—	—	—
25	38	37	1	—	—	—	90	80	10	—	—	—
24	42	39	2	—	—	1	55	47	8	—	—	—
23	11	9	1	—	—	1	41	39	2	—	—	—
22	20	16	4	—	—	—	33	29	4	—	—	—
21	31	31	—	—	—	—	36	31	5	—	—	—
20	9	9	—	—	—	—	13	11	2	—	—	—
19	4	4	—	—	—	—	13	11	1	—	—	—
18	55	51	2	—	—	1	60	57	1	—	—	—
DOMESTIC												
Total	5,219	1,373	311	2,665	169	701	5,190	1,373	298	2,665	154	700
37	2	1	1	—	—	—	—	—	—	—	—	—
36	4	2	2	—	—	—	1	—	1	—	—	—
35	2	1	1	—	—	—	1	—	1	—	—	—
34	2	2	—	—	—	—	3	2	1	—	—	—
33	5	4	1	—	—	—	3	2	1	—	—	—
32	1	1	—	—	—	—	9	8	1	—	—	—
31	—	—	—	—	—	—	4	4	—	—	—	—
30	25	24	1	—	—	—	38	38	—	—	—	—
29	—	—	—	—	—	—	3	2	1	—	—	—
28	4	1	3	—	—	—	4	3	1	—	—	—
27	2	2	—	—	—	—	2	2	—	—	—	—
26	—	—	—	—	—	—	52	52	—	—	—	—
25	3	3	—	—	—	—	6	4	—	—	—	2
24	13	13	—	—	—	—	2	1	—	—	—	1
23	9	9	—	—	—	—	1	1	—	—	—	—
22	6	6	—	—	—	—	1	1	—	—	—	—
21	3	3	—	—	—	—	—	—	—	—	—	—
20	3	—	—	—	—	3	1	—	—	—	—	1
19	1	—	—	—	—	1	—	—	—	—	—	—
18	5,134	1,301	302	2,665	169	697	5,059	1,253	291	2,665	151	699
Total trips:											14,949	
HACKENSACK RIVER, NJ												
	Upbound						Downbound					
Grand Total	628	—	4	348	98	178	623	—	3	348	96	176
FOREIGN												
Total	3	—	2	—	1	—	1	—	1	—	—	—
31	1	—	—	—	1	—	—	—	—	—	—	—
27	1	—	1	—	—	—	1	—	1	—	—	—
24	1	—	1	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	625	—	2	348	97	178	622	—	2	348	96	176
30	—	—	—	—	—	—	1	—	—	—	—	1
23	1	—	—	—	—	1	—	—	—	—	—	—
22	67	—	—	—	67	—	—	—	—	—	—	—
21	28	—	—	—	28	—	—	—	—	—	—	—
20	3	—	—	—	2	1	—	—	—	—	—	—
18	526	—	2	348	—	176	621	—	2	348	96	175
Total trips:											1,251	

Trips and Drafts of Vessels, 1998
(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

				Upbound						Downbound		
Grand Total	1,764	---	58	1,263	19	424	1,751	---	58	1,261	19	413

FOREIGN

Total	1	---	1	---	---	---	1	---	1	---	---	---
28	1	---	1	---	---	---	---	---	---	---	---	---
24	---	---	---	---	---	---	1	---	1	---	---	---

DOMESTIC

Total	1,763	---	57	1,263	19	424	1,750	---	57	1,261	19	413
25	1	---	---	---	---	1	---	---	---	---	---	---
24	2	---	---	---	---	2	---	---	---	---	---	---
22	1	---	---	---	---	1	1	---	---	---	---	1
20	9	---	---	---	---	9	2	---	---	---	---	2
19	8	---	---	---	---	8	---	---	---	---	---	---
18	16	---	---	8	---	8	4	---	---	---	---	4
17	25	---	---	---	---	25	4	---	1	---	---	3
16	77	---	3	36	1	37	48	---	1	44	---	3
15	107	---	2	68	---	37	73	---	3	66	1	3
14	169	---	---	110	2	57	111	---	---	108	---	3
13	195	---	---	148	3	44	171	---	---	154	---	17
12	1,153	---	52	893	13	195	1,336	---	52	889	18	377
										Total trips:		3,515

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ

				Upbound						Downbound		
Grand Total	32,966	901	2,391	16,712	5,720	7,242	32,904	886	2,308	16,722	5,747	7,241

FOREIGN

Total	899	447	442	3	3	4	771	425	336	3	4	3
39	19	9	10	---	---	---	37	15	22	---	---	---
38	20	8	12	---	---	---	43	13	30	---	---	---
37	31	21	10	---	---	---	62	32	29	---	1	---
36	37	25	12	---	---	---	52	30	21	---	---	1
35	93	36	55	---	---	2	112	42	68	---	2	---
34	11	2	9	---	---	---	33	12	21	---	---	---
33	33	25	6	---	1	1	52	31	21	---	---	---
32	22	13	9	---	---	---	45	24	21	---	---	---
31	39	20	19	---	---	---	30	15	15	---	---	---
30	34	15	19	---	---	---	36	20	16	---	---	---
29	120	44	76	---	---	---	37	23	14	---	---	---
28	79	37	42	---	---	---	43	30	13	---	---	---
27	72	44	28	---	---	---	42	32	10	---	---	---
26	83	45	37	---	---	1	34	25	9	---	---	---
25	52	28	24	---	---	---	18	9	8	---	1	---
24	48	19	29	---	---	---	20	8	9	1	---	2
23	20	7	13	---	---	---	5	5	---	---	---	---
22	26	16	8	1	1	---	8	5	3	---	---	---
21	17	5	10	1	1	---	15	11	4	---	---	---
20	7	4	3	---	---	---	15	14	1	---	---	---
19	9	4	5	---	---	---	9	8	---	1	---	---
18	27	20	6	1	---	---	23	21	1	1	---	---

DOMESTIC

Total	32,067	454	1,949	16,709	5,717	7,238	32,133	461	1,972	16,719	5,743	7,238
39	---	---	---	---	---	---	23	---	23	---	---	---
38	1	---	---	---	---	1	---	---	---	---	---	---
37	6	---	6	---	---	---	4	---	4	---	---	---
36	8	---	5	---	---	3	6	---	3	---	---	3
35	11	---	7	---	---	4	19	---	7	---	---	12
34	10	---	6	---	---	4	14	---	11	---	---	3
33	19	---	17	---	---	2	51	---	49	---	---	2
32	36	---	15	16	---	5	39	---	16	22	---	1
31	9	---	7	---	---	2	17	---	14	---	---	3
30	28	---	20	---	---	8	29	---	26	---	---	3
29	38	---	15	7	---	16	26	---	14	6	---	6
28	42	---	10	---	---	32	29	---	14	---	---	15
27	47	---	9	---	---	38	75	---	16	---	23	36
26	86	---	11	---	---	75	72	---	17	---	4	51
25	143	---	14	---	5	124	58	---	11	---	1	46

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

NEW YORK AND NEW JERSEY CHANNELS, NY AND NJ - continued
Upbound

Downbound

DOMESTIC

24	180	—	9	—	6	165	65	—	5	—	1	59
23	178	—	2	4	3	169	85	—	4	—	1	80
22	257	—	2	—	6	249	47	—	2	—	—	45
21	191	—	2	2	5	182	76	—	38	2	—	36
20	397	—	3	35	3	356	144	—	7	27	1	109
19	274	—	1	—	—	273	68	—	—	—	3	65
18	30,106	454	1,788	16,645	5,689	5,530	31,186	461	1,691	16,662	5,709	6,663
Total trips:											65,870	

RARITAN RIVER TO ARTHUR KILL CUT OFF CHANNEL, NJ
Upbound

Downbound

Grand Total	1,584	—	2	754	697	131	1,588	—	2	753	699	134
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DOMESTIC

Total	1,584	—	2	754	697	131	1,588	—	2	753	699	134
23	6	—	—	—	—	6	2	—	—	—	—	2
22	1	—	—	—	—	1	3	—	—	—	—	3
21	5	—	—	—	—	5	2	—	—	—	—	2
20	8	—	—	—	—	8	2	—	—	—	—	2
19	6	—	—	—	—	6	8	—	—	—	—	8
18	8	—	—	—	—	8	8	—	—	—	—	8
17	3	—	—	—	—	3	3	—	—	—	—	3
16	136	—	1	130	—	5	154	—	—	148	—	6
15	86	—	—	80	1	5	72	—	—	68	—	4
14	12	—	1	2	—	9	7	—	—	2	—	5
13	100	—	—	90	—	10	83	—	—	81	—	2
12	31	—	—	19	—	12	28	—	—	20	—	8
11	318	—	—	204	113	1	216	—	—	214	—	2
10	615	—	—	80	534	1	80	—	—	78	—	2
9	145	—	—	102	41	2	119	—	1	118	—	—
8	37	—	—	36	1	—	11	—	—	4	5	2
7	2	—	—	2	—	—	14	—	—	12	2	—
6	3	—	—	2	—	1	4	—	—	2	—	2
5	8	—	—	1	—	7	12	—	—	—	—	12
4	7	—	—	—	—	7	22	—	1	—	1	20
3	33	—	—	—	—	33	32	—	—	—	—	32
2	14	—	—	6	7	1	705	—	—	6	691	8
1	—	—	—	—	—	—	1	—	—	—	—	1
Total trips:											3,172	

NEW YORK HARBOR, NY LOWER ENTRANCE CHANNELS
Upbound

Downbound

Grand Total	10,315	5,869	1,189	1,635	530	1,092	10,484	6,100	1,204	1,619	525	1,036
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FOREIGN

Total	4,365	3,514	821	12	10	8	4,577	3,693	855	11	8	10
48	23	10	13	—	—	—	3	1	2	—	—	—
47	29	6	23	—	—	—	6	3	3	—	—	—
46	45	13	32	—	—	—	11	3	8	—	—	—
45	30	14	16	—	—	—	15	5	10	—	—	—
44	13	8	5	—	—	—	3	1	2	—	—	—
43	23	6	17	—	—	—	3	1	2	—	—	—
42	81	61	20	—	—	—	19	14	5	—	—	—
41	55	38	17	—	—	—	14	9	5	—	—	—
40	97	67	30	—	—	—	58	51	7	—	—	—
39	268	223	45	—	—	—	196	178	18	—	—	—
38	253	180	73	—	—	—	129	114	15	—	—	—
37	316	241	73	—	2	—	242	226	16	—	—	—
36	262	214	44	1	2	1	221	202	19	—	—	—
35	523	433	88	—	2	—	422	359	61	—	—	2
34	179	144	35	—	—	—	182	171	11	—	—	—
33	243	207	36	—	—	—	207	185	20	—	1	1
32	183	147	36	—	—	—	201	189	12	—	—	—
31	250	210	36	2	1	1	277	237	37	1	1	1
30	176	146	30	—	—	—	208	154	54	—	—	—
29	173	145	28	—	—	—	286	176	110	—	—	—

Trips and Drafts of Vessels, 1998
(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

FOREIGN

28	192	172	20	—	—	—	282	192	90	—	—	—
27	160	142	18	—	—	—	274	204	70	—	—	—
26	154	135	19	—	—	—	270	212	57	—	—	1
25	135	120	14	—	—	1	255	197	57	—	—	1
24	132	105	23	1	—	1	184	126	58	—	—	—
23	44	41	2	1	—	—	119	97	22	—	—	—
22	43	33	9	—	—	—	125	104	17	2	—	—
21	72	63	8	—	—	—	114	86	26	1	—	—
20	50	47	3	—	—	—	46	31	15	—	—	—
19	24	21	1	2	—	—	44	32	10	2	—	—
18	20	18	1	1	—	—	31	19	12	—	—	—
17	23	20	2	1	—	—	16	14	1	—	—	—
16	32	31	1	—	—	—	15	14	1	—	—	—
15	21	20	—	1	—	—	13	10	1	—	—	—
14	11	10	1	—	—	—	14	14	—	—	—	—
13	9	7	2	—	—	—	28	26	—	2	—	—
12	21	16	—	2	—	1	44	36	1	2	—	—

DOMESTIC

Total	5,950	2,355	368	1,623	520	1,084	5,907	2,407	349	1,608	517	1,026
41	36	—	36	—	—	—	—	—	—	—	—	—
40	16	—	16	—	—	—	—	—	—	—	—	—
39	2	—	2	—	—	—	—	—	—	—	—	—
38	5	—	4	—	—	1	—	—	—	—	—	—
37	9	—	9	—	—	—	1	—	1	—	—	—
36	12	1	6	—	—	5	1	—	1	—	—	—
35	16	1	6	—	—	9	4	—	4	—	—	—
34	9	3	4	—	—	2	5	—	5	—	—	—
33	8	4	3	—	—	1	9	2	7	—	—	—
32	22	—	12	9	—	—	24	8	3	9	—	4
31	8	2	4	—	—	2	12	5	7	—	—	—
30	39	21	18	—	—	—	41	36	5	—	—	—
29	15	—	9	3	—	3	19	4	11	2	—	2
28	29	—	13	—	—	16	11	1	6	—	1	3
27	43	3	5	—	—	35	35	4	9	—	17	5
26	50	—	8	—	1	41	54	24	17	—	1	12
25	57	3	8	—	—	46	66	32	18	—	8	8
24	91	6	8	—	4	73	25	2	7	—	4	12
23	95	21	3	4	20	47	16	2	2	—	3	9
22	116	10	1	—	74	31	15	1	2	—	2	10
21	83	3	3	2	64	11	45	—	36	2	3	4
20	87	—	4	13	13	57	42	—	3	15	5	19
19	58	—	—	—	3	55	14	9	—	—	1	4
18	38	—	—	15	2	21	20	—	5	7	—	8
17	90	—	—	46	4	40	69	—	—	51	7	11
16	136	1	—	80	—	55	243	—	6	100	130	7
15	227	—	—	185	5	37	180	—	—	155	9	16
14	142	—	—	123	5	14	128	—	8	105	—	15
13	129	—	—	118	2	9	195	—	5	153	—	37
12	4,282	2,276	186	1,025	323	472	4,633	2,277	181	1,009	326	840
										Total trips:		20,799

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

Upbound

Downbound

Grand Total	12,040	992	44	5,338	4,453	1,213	12,055	993	47	5,339	4,463	1,213
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FOREIGN

Total	112	98	14	—	—	—	118	99	17	1	—	1
37	—	—	—	—	—	—	1	1	—	—	—	—
35	5	5	—	—	—	—	2	2	—	—	—	—
34	—	—	—	—	—	—	1	1	—	—	—	—
33	3	2	1	—	—	—	2	1	1	—	—	—
32	9	6	3	—	—	—	1	1	—	—	—	—
31	14	9	5	—	—	—	9	7	2	—	—	—
30	7	6	1	—	—	—	3	3	—	—	—	—
29	7	6	1	—	—	—	4	3	1	—	—	—
28	12	12	—	—	—	—	1	1	—	—	—	—
27	2	2	—	—	—	—	8	7	1	—	—	—
26	11	9	2	—	—	—	11	9	2	—	—	—
25	4	4	—	—	—	—	6	3	3	—	—	—

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HUDSON RIVER, NY, MOUTH OF SPUYTEN DUYVILL CREEK (HARLEM RIVER) TO WATERFORD, NY - continued
Upbound Downbound

FOREIGN

24	5	5	—	—	—	—	12	10	2	—	—	—
23	2	2	—	—	—	—	14	14	—	—	—	—
22	4	3	1	—	—	—	9	8	1	—	—	—
21	3	3	—	—	—	—	6	6	—	—	—	—
20	9	9	—	—	—	—	9	5	4	—	—	—
19	3	3	—	—	—	—	3	3	—	—	—	—
18	4	4	—	—	—	—	3	3	—	—	—	—
17	2	2	—	—	—	—	2	2	—	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	4	4	—	—	—	—	3	3	—	—	—	—
14	1	1	—	—	—	—	4	4	—	—	—	—
13	—	—	—	—	—	—	1	1	—	—	—	—
12	—	—	—	—	—	—	3	1	—	1	—	1

DOMESTIC

Total	11,928	894	30	5,338	4,453	1,213	11,937	894	30	5,338	4,463	1,212
37	1	—	1	—	—	—	—	—	—	—	—	—
36	2	—	—	—	—	2	—	—	—	—	—	—
34	9	9	—	—	—	—	—	—	—	—	—	—
30	1	—	—	—	—	1	—	—	—	—	—	—
28	6	—	—	—	—	6	—	—	—	—	—	—
27	10	—	—	—	—	10	64	—	—	—	64	—
26	18	—	—	—	1	17	10	—	—	—	10	—
25	21	—	—	—	—	21	3	—	—	—	3	—
24	37	—	1	—	2	34	1	—	—	—	1	—
23	73	—	—	—	17	56	6	1	—	—	5	—
22	46	—	—	—	—	46	1	—	—	—	1	—
21	49	—	—	—	6	43	3	—	—	—	3	—
20	121	—	—	2	3	116	5	—	—	2	2	1
19	105	—	—	—	—	105	9	8	—	—	—	—
18	129	—	—	9	—	120	16	—	1	—	13	2
17	82	—	7	2	—	73	38	—	2	—	35	1
16	211	—	11	91	—	109	97	—	1	85	3	8
15	204	—	5	120	—	79	143	—	—	130	3	10
14	154	—	3	81	1	69	93	—	—	71	21	1
13	261	—	2	157	—	102	197	—	1	173	17	6
12	10,388	885	—	4,876	4,423	204	11,251	885	28	4,874	4,282	1,182
										Total trips:		24,095

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

Grand Total	22,538	9,655	213	5,723	5,592	1,355	22,552	9,667	219	5,725	5,586	1,355
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FOREIGN

Total	253	235	18	—	—	—	278	248	24	3	2	1
45	—	—	—	—	—	—	1	—	1	—	—	—
39	2	2	—	—	—	—	1	1	—	—	—	—
37	4	4	—	—	—	—	5	5	—	—	—	—
36	—	—	—	—	—	—	2	2	—	—	—	—
35	12	12	—	—	—	—	10	10	—	—	—	—
34	6	6	—	—	—	—	6	6	—	—	—	—
33	3	2	1	—	—	—	2	1	1	—	—	—
32	11	8	3	—	—	—	3	3	—	—	—	—
31	28	23	5	—	—	—	14	12	2	—	—	—
30	14	13	1	—	—	—	20	20	—	—	—	—
29	15	14	1	—	—	—	12	11	1	—	—	—
28	24	24	—	—	—	—	5	4	1	—	—	—
27	7	7	—	—	—	—	16	14	2	—	—	—
26	19	17	2	—	—	—	21	19	2	—	—	—
25	32	32	—	—	—	—	35	32	3	—	—	—
24	22	22	—	—	—	—	28	26	2	—	—	—
23	11	11	—	—	—	—	23	22	1	—	—	—
22	5	3	2	—	—	—	18	15	1	1	1	—
21	3	3	—	—	—	—	14	14	—	—	—	—
20	11	11	—	—	—	—	12	7	5	—	—	—
19	4	3	1	—	—	—	4	4	—	—	—	—
18	20	18	2	—	—	—	26	20	2	2	1	1

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HUDSON RIVER, NY, DEEPWATER IN UPPER BAY, NY TO WATERFORD, NY (CONSOLIDATED REPORT) - continued
Upbound
Downbound

DOMESTIC

Total	22,285	9,420	195	5,723	5,592	1,355	22,274	9,419	195	5,722	5,584	1,354
37	1	—	1	—	—	—	—	—	—	—	—	—
36	2	—	—	—	—	2	—	—	—	—	—	—
34	9	9	—	—	—	—	—	—	—	—	—	—
30	1	—	—	—	—	1	—	—	—	—	—	—
28	6	—	—	—	—	6	—	—	—	—	—	—
27	10	—	—	—	—	10	64	—	—	—	64	—
26	18	—	—	—	1	17	10	—	—	—	10	—
25	21	—	—	—	—	21	3	—	—	—	3	—
24	37	—	1	—	2	34	1	—	—	—	1	—
23	73	—	—	—	17	56	6	1	—	—	5	—
22	46	—	—	—	—	46	1	—	—	—	1	—
21	49	—	—	—	6	43	3	—	—	—	3	—
20	121	—	—	2	3	116	5	—	—	2	2	1
19	105	—	—	—	—	105	9	8	—	—	—	1
18	21,786	9,411	193	5,721	5,563	898	22,172	9,410	195	5,720	5,495	1,352
										Total trips:		45,090

PORT OF ALBANY, NY

	Inbound						Outbound					
Grand Total	1,181	76	25	484	4	592	1,180	76	21	485	5	593

FOREIGN

Total	87	74	13	—	—	—	87	74	11	1	—	1
33	1	—	1	—	—	—	1	—	1	—	—	—
32	8	5	3	—	—	—	1	1	—	—	—	—
31	14	9	5	—	—	—	6	5	1	—	—	—
30	7	6	1	—	—	—	2	2	—	—	—	—
29	5	4	1	—	—	—	4	3	1	—	—	—
28	7	7	—	—	—	—	1	1	—	—	—	—
27	2	2	—	—	—	—	7	6	1	—	—	—
26	9	8	1	—	—	—	9	8	1	—	—	—
25	3	3	—	—	—	—	6	3	3	—	—	—
24	3	3	—	—	—	—	12	10	2	—	—	—
23	1	1	—	—	—	—	12	12	—	—	—	—
22	3	2	1	—	—	—	4	3	1	—	—	—
21	3	3	—	—	—	—	5	5	—	—	—	—
20	7	7	—	—	—	—	4	4	—	—	—	—
19	3	3	—	—	—	—	2	2	—	—	—	—
18	4	4	—	—	—	—	1	1	—	—	—	—
17	2	2	—	—	—	—	2	2	—	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	4	4	—	—	—	—	2	2	—	—	—	—
14	—	—	—	—	—	—	3	3	—	—	—	—
13	—	—	—	—	—	—	1	1	—	—	—	—
12	—	—	—	—	—	—	2	—	—	1	—	1

DOMESTIC

Total	1,094	2	12	484	4	592	1,093	2	10	484	5	592
28	1	—	—	—	—	1	—	—	—	—	—	—
27	6	—	—	—	—	6	—	—	—	—	—	—
26	11	—	—	—	—	11	—	—	—	—	—	—
25	15	—	—	—	—	15	—	—	—	—	—	—
24	24	—	1	—	—	23	—	—	—	—	—	—
23	37	—	—	—	—	37	1	—	—	—	—	1
22	42	—	—	—	—	42	—	—	—	—	—	—
21	28	—	—	—	—	28	—	—	—	—	—	—
20	92	—	—	2	—	90	4	—	—	2	—	2
19	61	—	—	—	—	61	2	—	—	—	—	2
18	86	—	—	9	—	77	3	—	—	1	—	2
17	33	—	3	2	—	28	3	—	—	2	—	1
16	113	—	3	71	—	39	72	—	—	67	—	5
15	124	—	2	80	—	42	85	—	—	80	—	5
14	55	—	2	26	—	27	16	—	—	15	—	1
13	54	—	1	39	—	14	61	—	1	57	—	3
12	312	2	—	255	4	51	846	2	9	260	5	570
										Total trips:		2,361

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HEMPSTEAD HARBOR, NY

				Upbound						Downbound		
Grand Total	1,368	---	---	700	549	119	1,358	---	---	694	549	115

DOMESTIC

Total	1,368	---	---	700	549	119	1,358	---	---	694	549	115
17	1	---	---	---	---	1	---	---	---	---	---	---
16	1	---	---	---	---	1	---	---	---	---	---	---
15	2	---	---	---	---	2	---	---	---	---	---	---
14	2	---	---	---	---	2	1	---	---	---	---	1
13	61	---	---	16	---	45	16	---	---	16	---	---
12	72	---	---	12	8	52	10	---	---	10	---	---
11	350	---	---	54	289	7	56	---	---	56	---	---
10	193	---	---	16	173	4	12	---	---	12	---	---
9	122	---	---	54	65	3	48	---	---	48	---	---
8	290	---	---	287	2	1	286	---	---	286	---	---
7	270	---	---	259	11	---	264	---	---	264	---	---
6	4	---	---	2	1	1	665	---	---	2	549	114
										Total trips:		2,726

PORT JEFFERSON HARBOR, NY

				Inbound						Outbound		
Grand Total	4,844	3,836	1	464	278	265	4,843	3,837	1	463	277	265

DOMESTIC

Total	4,844	3,836	1	464	278	265	4,843	3,837	1	463	277	265
27	---	---	---	---	---	---	1	---	---	---	---	1
26	3	---	---	---	---	3	---	---	---	---	---	---
25	15	---	---	---	---	15	---	---	---	---	---	---
24	6	---	---	---	---	6	---	---	---	---	---	---
23	7	---	---	---	---	7	---	---	---	---	---	---
22	3	---	---	---	---	3	---	---	---	---	---	---
21	17	---	---	---	---	17	---	---	---	---	---	---
20	75	---	---	2	---	73	3	---	---	2	---	1
19	8	---	---	---	---	8	---	---	---	---	---	---
18	39	---	---	8	---	31	---	---	---	---	---	---
17	164	---	---	79	---	85	60	---	---	60	---	---
16	4	---	---	4	---	---	2	---	---	2	---	---
15	23	---	---	18	---	5	51	---	---	51	---	---
14	21	---	1	18	---	2	14	---	---	14	---	---
13	19	---	---	17	---	2	12	---	---	11	---	1
12	4,440	3,836	---	318	278	8	4,700	3,837	1	323	277	262
										Total trips:		9,687

BRONX RIVER, NY
(12 feet and less)

				Upbound						Downbound		
Grand Total	219	---	---	100	119	---	219	---	---	100	119	---
										Total trips:		438

BROWNS CREEK, NY
(8 feet and less)

				Upbound						Downbound		
Grand Total	10,975	10,975	---	---	---	---	10,995	10,995	---	---	---	---
										Total trips:		21,970

BURLINGTON HARBOR, VT
(8 feet and less)

				Inbound						Outbound		
Grand Total	1,553	1,553	---	---	---	---	1,553	1,553	---	---	---	---
										Total trips:		3,106

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
CHEESEQUAKE CREEK, NJ No Vessel Trips Reported												
CONEY ISLAND CREEK, NY (10 feet and less)												
				Upbound							Downbound	
Grand Total	5	—	—	3	2	—	5	—	—	3	2	—
										Total trips:		10
ECHO BAY HARBOR, NY No Vessel Trips Reported												
ELIZABETH RIVER, NJ No Vessel Trips Reported												
FIRE ISLAND INLET, NY No Vessel Trips Reported												
GLEN COVE CREEK, NY (11 feet and less)												
				Upbound							Downbound	
Grand Total	441	—	—	224	217	—	438	—	—	221	217	—
										Total trips:		879
GLEN COVE HARBOR, NY No Vessel Trips Reported												
GREAT KILLS HARBOR, STATEN ISLAND, NY (7 feet and less)												
				Upbound							Downbound	
Grand Total	1	1	—	—	—	—	1	1	—	—	—	—
										Total trips:		2
GREAT SOUTH BAY, NY (11 feet and less)												
				Upbound							Downbound	
Grand Total	28,381	28,366	—	14	—	1	28,389	28,375	1	13	—	—
										Total trips:		56,770
GREENPORT HARBOR, NY (6 feet and less)												
				Inbound							Outbound	
Grand Total	37,353	37,353	—	—	—	—	37,353	37,353	—	—	—	—
										Total trips:		74,706
HARLEM RIVER, NY (14 feet and less)												
				Upbound							Downbound	
Grand Total	11	—	1	10	—	—	12	—	2	10	—	—
										Total trips:		23
HUNTINGTON HARBOR, NY No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
JONES INLET, NY (9 feet and less)												
				Upbound							Downbound	
Grand Total	3	—	—	3	—	—	3	—	—	3	—	—
										Total trips:	—	6
KEYPORT HARBOR, NJ No Vessel Trips Reported												
LAKE MONTAUK HARBOR, NY No Vessel Trips Reported												
LARCHMONT HARBOR, NY No Vessel Trips Reported												
LEMON CREEK, STATEN ISLAND, NY No Vessel Trips Reported												
LONG ISLAND INTRACOASTAL WATERWAY, NY (11 feet and less)												
				Upbound							Downbound	
Grand Total	79	74	—	4	—	1	77	73	1	3	—	—
										Total trips:	—	156
MAMARONECK HARBOR, NY No Vessel Trips Reported												
MANHASSET BAY, NY (14 feet and less)												
				Upbound							Downbound	
Grand Total	214	170	7	11	—	26	210	170	7	9	—	24
										Total trips:	—	424
MATTITUCK HARBOR, NY (10 feet and less)												
				Inbound							Outbound	
Grand Total	77	77	—	—	—	—	77	77	—	—	—	—
										Total trips:	—	154
NARROWS OF LAKE CHAMPLAIN, NY AND VT No Vessel Trips Reported												
NEW ROCHELLE HARBOR, NY (5 feet and less)												
				Upbound							Downbound	
Grand Total	56	56	—	—	—	—	56	56	—	—	—	—
										Total trips:	—	112
NORTHPORT HARBOR, NY (15 feet and less)												
				Inbound							Outbound	
Grand Total	138	136	—	2	—	—	137	135	—	2	—	—
										Total trips:	—	275
OROWOC CREEK, NY No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
PATCHOGUE RIVER, NY (11 feet and less)												
				Inbound							Outbound	
Grand Total	2,267	2,263	---	4	---	---	2,267	2,263	---	4	---	---
										Total trips:		4,534
PECONIC RIVER, NY (9 feet and less)												
				Upbound							Downbound	
Grand Total	178	178	---	---	---	---	180	180	---	---	---	---
										Total trips:		358
PEEKSKILL HARBOR, NY No Vessel Trips Reported												
PORT CHESTER HARBOR, NY (14 feet and less)												
				Upbound							Downbound	
Grand Total	311	---	48	132	131	---	313	---	46	136	131	---
										Total trips:		624
PORT HENRY HARBOR, NY No Vessel Trips Reported												
RAHWAY RIVER, NJ No Vessel Trips Reported												
RONDOUT HARBOR, NY (14 feet and less)												
				Inbound							Outbound	
Grand Total	284	268	---	4	---	12	285	268	---	4	---	13
										Total trips:		569
ROUSES POINT, NY No Vessel Trips Reported												
SAG HARBOR, NY (7 feet and less)												
				Inbound							Outbound	
Grand Total	43,427	43,427	---	---	---	---	43,435	43,435	---	---	---	---
										Total trips:		86,862
SANDY HOOK BAY AT LEONARDO, NJ (14 feet and less)												
				Upbound							Downbound	
Grand Total	2	---	---	2	---	---	2	---	---	2	---	---
										Total trips:		4
SANDY HOOK BAY, NJ (9 feet and less)												
				Upbound							Downbound	
Grand Total	843	841	---	2	---	---	843	841	---	2	---	---
										Total trips:		1,686

Trips and Drafts of Vessels, 1998
(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
SANDY HOOK CHANNEL, NY (18 feet and less)												
				Upbound							Downbound	
Grand Total	2	2	---	---	---	---	2	2	---	---	---	---
											Total trips:	4
SAUGERTIES HARBOR, NY No Vessel Trips Reported												
SHARK RIVER, NJ No Vessel Trips Reported												
SHEEPSHEAD BAY, NY No Vessel Trips Reported												
SHINNECOCK INLET, NY No Vessel Trips Reported												
SHOAL HARBOR AND COMPTON CREEK, NJ (9 feet and less)												
				Upbound							Downbound	
Grand Total	338	300	---	38	---	---	334	300	---	34	---	---
											Total trips:	672
SHREWSBURY RIVER, NJ (9 feet and less)												
				Upbound							Downbound	
Grand Total	1,186	1,184	---	2	---	---	1,186	1,184	---	2	---	---
											Total trips:	2,372
TARRYTOWN HARBOR, NY (11 feet and less)												
				Inbound							Outbound	
Grand Total	460	79	---	195	186	---	457	79	---	191	187	---
											Total trips:	917
WALLABOUT CHANNEL, NY No Vessel Trips Reported												
WAYCAKE CREEK, NJ No Vessel Trips Reported												
WESTCHESTER CREEK, NY (19 feet and less)												
				Upbound							Downbound	
Grand Total	167	---	1	102	---	64	167	---	1	104	---	62
											Total trips:	334
GOWANUS CANAL, NY (14 feet and less)												
				Upbound							Downbound	
Grand Total	565	---	42	230	176	117	562	---	44	230	177	111
											Total trips:	1,127

Trips and Drafts of Vessels, 1998
(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
GRAVESEND BAY, NY (45 feet and less)												
				Upbound							Downbound	
Grand Total	649	11	54	61	441	82	636	6	48	61	442	79
										Total trips:		1,285
OYSTER BAY, NY (16 feet and less)												
				Upbound							Downbound	
Grand Total	178	—	25	42	—	111	175	—	25	42	—	108
										Total trips:		353

Trips and Drafts of Vessels, 1998
(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	5,932	365	112	4,083	166	1,206	5,927	365	114	4,083	169	1,196

FOREIGN

Total	279	233	46	---	---	---	277	229	48	---	---	---
40	5	2	3	---	---	---	---	---	---	---	---	---
39	2	2	---	---	---	---	---	---	---	---	---	---
38	20	16	4	---	---	---	---	---	---	---	---	---
36	2	1	1	---	---	---	---	---	---	---	---	---
35	6	6	---	---	---	---	3	1	2	---	---	---
34	7	4	3	---	---	---	6	2	4	---	---	---
33	14	11	3	---	---	---	3	2	1	---	---	---
32	23	21	2	---	---	---	13	11	2	---	---	---
31	17	17	---	---	---	---	8	7	1	---	---	---
30	18	17	1	---	---	---	26	23	3	---	---	---
29	19	18	1	---	---	---	15	13	2	---	---	---
28	15	11	4	---	---	---	30	27	3	---	---	---
27	18	15	3	---	---	---	12	5	7	---	---	---
26	23	20	3	---	---	---	33	27	6	---	---	---
25	18	14	4	---	---	---	25	21	4	---	---	---
24	25	19	6	---	---	---	22	17	5	---	---	---
23	17	12	5	---	---	---	17	13	4	---	---	---
22	11	10	1	---	---	---	14	12	2	---	---	---
21	7	7	---	---	---	---	13	12	1	---	---	---
20	5	3	2	---	---	---	18	18	---	---	---	---
19	2	2	---	---	---	---	9	9	---	---	---	---
18	1	1	---	---	---	---	3	3	---	---	---	---
17	1	1	---	---	---	---	3	3	---	---	---	---
16	1	1	---	---	---	---	1	---	1	---	---	---
15	---	---	---	---	---	---	2	2	---	---	---	---
14	---	---	---	---	---	---	1	1	---	---	---	---
13	2	2	---	---	---	---	---	---	---	---	---	---

DOMESTIC

Total	5,653	132	66	4,083	166	1,206	5,650	136	66	4,083	169	1,196
40	10	---	10	---	---	---	1	---	1	---	---	---
39	5	---	5	---	---	---	---	---	---	---	---	---
35	2	---	1	---	---	1	---	---	---	---	---	---
34	1	---	1	---	---	---	2	---	2	---	---	---
33	2	---	2	---	---	---	6	---	6	---	---	---
32	4	---	2	2	---	---	10	---	6	4	---	---
31	1	---	1	---	---	---	1	---	1	---	---	---
30	9	---	8	---	---	1	3	---	3	---	---	---
29	9	---	7	2	---	---	6	---	5	---	---	1
28	7	---	6	---	---	1	8	1	6	---	---	1
27	8	---	5	---	---	3	128	120	8	---	---	---
26	91	86	1	---	---	4	8	5	3	---	---	---
25	13	6	5	---	---	2	10	3	6	---	---	1
24	11	5	3	---	---	3	6	---	5	---	---	1
23	32	30	1	---	---	1	3	2	1	---	---	---
22	17	1	1	---	13	2	2	1	1	---	---	---
21	13	---	---	---	13	---	2	1	1	---	---	---
20	5	---	1	---	3	1	3	---	3	---	---	---
19	7	4	2	---	---	1	4	3	---	---	---	1
18	13	---	---	---	---	13	---	---	---	---	---	---
17	49	---	---	1	48	---	4	---	---	1	3	---
16	104	---	---	40	56	8	84	---	2	50	28	4
15	35	---	3	23	5	4	51	---	5	35	3	8
14	140	---	---	4	---	136	37	---	---	2	---	35
13	215	---	---	169	1	45	185	---	---	172	---	13
12	4,850	---	1	3,842	27	980	5,086	---	1	3,819	135	1,131
										Total trips:		11,859

DELAWARE RIVER, PHILADELPHIA, PA (TO THE SEA)

	Upbound						Downbound					
Grand Total	36,218	12,846	1,178	14,730	2,354	5,110	36,227	12,827	1,189	14,731	2,361	5,119

FOREIGN

Total	2,893	2,019	842	13	19	---	2,891	2,002	853	14	21	1
43	55	6	49	---	---	---	3	1	2	---	---	---
42	4	1	3	---	---	---	---	---	---	---	---	---

Trips and Drafts of Vessels, 1998
(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

41	11	2	9	—	—	—	1	—	1	—	—	—
40	91	10	79	—	—	2	8	2	6	—	—	—
39	46	6	38	—	—	2	4	2	2	—	—	—
38	237	40	196	—	—	1	14	3	11	—	—	—
37	76	16	57	—	—	3	9	3	6	—	—	—
36	78	22	56	—	—	—	7	—	6	—	1	—
35	71	39	30	—	—	2	19	9	10	—	—	—
34	61	28	30	—	—	3	12	7	5	—	—	—
33	86	45	41	—	—	—	32	22	10	—	—	—
32	74	59	15	—	—	—	65	44	21	—	—	—
31	78	59	18	1	—	—	68	29	39	—	—	—
30	91	72	18	1	—	—	162	87	75	—	—	—
29	146	127	19	—	—	—	136	75	61	—	—	—
28	177	150	27	—	—	—	310	122	188	—	—	—
27	199	174	25	—	—	—	231	125	106	—	—	—
26	152	135	16	—	—	1	330	181	149	—	—	—
25	170	153	17	—	—	—	229	190	39	—	—	—
24	226	187	39	—	—	—	197	161	36	—	—	—
23	157	148	9	—	—	—	153	139	14	—	—	—
22	121	113	5	1	—	2	142	124	17	—	1	—
21	93	89	3	1	—	—	133	119	10	3	1	—
20	78	68	9	1	—	—	126	114	11	—	1	—
19	46	40	5	1	—	—	98	87	11	—	—	—
18	269	230	29	7	—	3	402	356	17	11	17	1

DOMESTIC

Total	33,325	10,827	336	14,717	2,335	5,110	33,336	10,825	336	14,717	2,340	5,118
40	110	—	4	—	—	106	—	—	—	—	—	—
39	10	—	10	—	—	—	—	—	—	—	—	—
38	—	—	—	—	—	—	2	—	1	—	—	1
37	139	—	139	—	—	—	12	—	12	—	—	—
36	99	—	13	—	—	86	5	—	2	—	—	3
35	109	—	2	—	—	107	19	—	1	—	—	18
34	5	—	5	—	—	—	6	—	6	—	—	—
33	15	—	15	—	—	—	8	—	8	—	—	—
32	35	—	17	17	—	1	24	—	10	14	—	—
31	6	—	6	—	—	—	6	—	6	—	—	—
30	25	—	19	—	—	6	12	—	9	—	—	3
29	22	—	14	4	—	4	43	—	9	3	—	31
28	14	—	10	—	—	4	57	—	7	—	—	50
27	22	—	9	—	6	7	58	1	8	—	—	49
26	28	—	7	—	1	20	77	1	10	—	—	66
25	123	92	14	—	2	15	210	121	13	—	—	76
24	36	5	11	—	1	19	123	—	8	—	—	115
23	51	30	4	—	3	14	73	6	6	—	1	60
22	34	1	3	—	14	16	134	2	5	—	54	73
21	22	—	2	—	16	4	85	3	5	—	54	23
20	93	—	5	52	4	32	197	—	36	39	15	107
19	60	4	2	3	—	51	160	3	—	2	5	150
18	32,267	10,695	25	14,641	2,288	4,618	32,025	10,688	174	14,659	2,211	4,293
Total trips:											72,445	

DELAWARE RIVER AT CAMDEN, NJ

Inbound

Outbound

Grand Total	5,087	474	35	3,545	104	929	5,073	462	38	3,547	100	926
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FOREIGN

Total	492	473	19	—	—	—	483	461	22	—	—	—
43	1	—	1	—	—	—	1	—	1	—	—	—
40	5	2	3	—	—	—	—	—	—	—	—	—
39	1	1	—	—	—	—	—	—	—	—	—	—
38	4	—	4	—	—	—	1	1	—	—	—	—
37	3	3	—	—	—	—	1	1	—	—	—	—
36	2	1	1	—	—	—	—	—	—	—	—	—
35	3	2	1	—	—	—	3	1	2	—	—	—
34	8	7	1	—	—	—	1	—	1	—	—	—
33	6	6	—	—	—	—	1	1	—	—	—	—
32	12	12	—	—	—	—	7	6	1	—	—	—
31	10	10	—	—	—	—	5	5	—	—	—	—
30	12	12	—	—	—	—	10	8	2	—	—	—

Trips and Drafts of Vessels, 1998
(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

29	37	36	1	—	—	—	13	11	2	—	—	—
28	34	32	2	—	—	—	23	22	1	—	—	—
27	44	44	—	—	—	—	24	22	2	—	—	—
26	32	32	—	—	—	—	52	49	3	—	—	—
25	21	19	2	—	—	—	50	50	—	—	—	—
24	37	34	3	—	—	—	39	37	2	—	—	—
23	42	42	—	—	—	—	22	20	2	—	—	—
22	28	28	—	—	—	—	32	31	1	—	—	—
21	24	24	—	—	—	—	26	26	—	—	—	—
20	25	25	—	—	—	—	23	22	1	—	—	—
19	11	11	—	—	—	—	21	20	1	—	—	—
18	90	90	—	—	—	—	128	128	—	—	—	—

DOMESTIC

Total	4,595	1	16	3,545	104	929	4,590	1	16	3,547	100	926
40	10	—	10	—	—	—	1	—	1	—	—	—
39	5	—	5	—	—	—	—	—	—	—	—	—
35	1	—	—	—	—	1	—	—	—	—	—	—
33	—	—	—	—	—	—	6	—	6	—	—	—
32	—	—	—	—	—	—	5	—	5	—	—	—
31	—	—	—	—	—	—	1	—	1	—	—	—
30	2	—	1	—	—	1	—	—	—	—	—	—
29	1	—	—	—	—	1	1	—	1	—	—	—
27	3	—	—	—	—	3	—	—	—	—	—	—
26	4	—	—	—	—	4	1	—	—	—	—	1
25	4	1	—	—	—	3	1	1	—	—	—	—
24	6	—	—	—	—	6	2	—	—	—	—	2
23	3	—	—	—	—	3	1	—	—	—	—	1
22	2	—	—	—	—	2	1	—	—	—	1	—
21	—	—	—	—	—	—	1	—	1	—	—	—
20	36	—	—	34	—	2	25	—	—	21	4	—
19	9	—	—	3	—	6	5	—	—	2	2	1
18	4,509	—	—	3,508	104	897	4,539	—	1	3,524	93	921

Total trips: 10,160

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

Upbound

Downbound

Grand Total	36,722	12,846	1,178	15,099	2,354	5,245	36,727	12,827	1,189	15,101	2,361	5,249
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FOREIGN

Total	2,893	2,019	842	13	19	—	2,891	2,002	853	14	21	1
43	55	6	49	—	—	—	3	1	2	—	—	—
42	4	1	3	—	—	—	—	—	—	—	—	—
41	11	2	9	—	—	—	1	—	1	—	—	—
40	91	10	79	—	2	—	8	2	6	—	—	—
39	46	6	38	—	2	—	4	2	2	—	—	—
38	237	40	196	—	1	—	14	3	11	—	—	—
37	76	16	57	—	3	—	9	3	6	—	—	—
36	78	22	56	—	—	—	7	—	6	—	1	—
35	71	39	30	—	2	—	19	9	10	—	—	—
34	61	28	30	—	3	—	12	7	5	—	—	—
33	86	45	41	—	—	—	32	22	10	—	—	—
32	74	59	15	—	—	—	65	44	21	—	—	—
31	78	59	18	1	—	—	68	29	39	—	—	—
30	91	72	18	1	—	—	162	87	75	—	—	—
29	146	127	19	—	—	—	136	75	61	—	—	—
28	177	150	27	—	—	—	310	122	188	—	—	—
27	199	174	25	—	—	—	231	125	106	—	—	—
26	152	135	16	—	1	—	330	181	149	—	—	—
25	170	153	17	—	—	—	229	190	39	—	—	—
24	226	187	39	—	—	—	197	161	36	—	—	—
23	157	148	9	—	—	—	153	139	14	—	—	—
22	121	113	5	1	2	—	142	124	17	—	1	—
21	93	89	3	1	—	—	133	119	10	3	1	—
20	78	68	9	1	—	—	126	114	11	—	1	—
19	46	40	5	1	—	—	98	87	11	—	—	—
18	269	230	29	7	3	—	402	356	17	11	17	1

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

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

Upbound

Downbound

DOMESTIC

Total	33,829	10,827	336	15,086	2,335	5,245	33,836	10,825	336	15,087	2,340	5,248
40	110	—	4	—	—	106	—	—	—	—	—	—
39	10	—	10	—	—	—	—	—	—	—	—	—
38	—	—	—	—	—	—	2	—	1	—	—	1
37	139	—	139	—	—	—	12	—	12	—	—	—
36	99	—	13	—	—	86	5	—	2	—	—	3
35	109	—	2	—	—	107	19	—	1	—	—	18
34	5	—	5	—	—	—	6	—	6	—	—	—
33	15	—	15	—	—	—	8	—	8	—	—	—
32	35	—	17	17	—	1	24	—	10	14	—	—
31	6	—	6	—	—	—	6	—	6	—	—	—
30	25	—	19	—	—	6	12	—	9	—	—	3
29	22	—	14	4	—	4	42	—	8	3	—	31
28	14	—	10	—	—	4	58	—	8	—	—	50
27	22	—	9	—	6	7	58	1	8	—	—	49
26	28	—	7	—	1	20	77	1	10	—	—	66
25	123	92	14	—	2	15	210	121	13	—	—	76
24	36	5	11	—	1	19	123	—	8	—	—	115
23	51	30	4	—	3	14	73	6	6	—	1	60
22	34	1	3	—	14	16	134	2	5	—	54	73
21	22	—	2	—	16	4	85	3	5	—	54	23
20	93	—	5	52	4	32	197	—	36	39	15	107
19	60	4	2	3	—	51	160	3	—	2	5	150
18	32,771	10,695	25	15,010	2,288	4,753	32,525	10,688	174	15,029	2,211	4,423
										Total trips:		73,449

SCHUYLKILL RIVER, PA

Upbound

Downbound

Grand Total	3,888	4	23	2,434	19	1,408	3,884	3	21	2,433	20	1,407
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FOREIGN

Total	15	4	11	—	—	—	13	3	10	—	—	—
34	1	1	—	—	—	—	—	—	—	—	—	—
33	1	1	—	—	—	—	—	—	—	—	—	—
30	1	—	1	—	—	—	—	—	—	—	—	—
29	1	—	1	—	—	—	—	—	—	—	—	—
28	2	1	1	—	—	—	2	1	1	—	—	—
27	2	—	2	—	—	—	2	—	2	—	—	—
26	1	1	—	—	—	—	2	1	1	—	—	—
25	1	—	1	—	—	—	2	1	1	—	—	—
24	1	—	1	—	—	—	2	—	2	—	—	—
22	2	—	2	—	—	—	—	—	—	—	—	—
21	2	—	2	—	—	—	—	—	—	—	—	—
20	—	—	—	—	—	—	1	—	1	—	—	—
18	—	—	—	—	—	—	2	—	2	—	—	—

DOMESTIC

Total	3,873	—	12	2,434	19	1,408	3,871	—	11	2,433	20	1,407
37	1	—	1	—	—	—	6	—	6	—	—	—
36	1	—	—	—	—	1	1	—	—	—	—	1
35	2	—	—	—	—	2	11	—	—	—	—	11
34	1	—	1	—	—	—	1	—	1	—	—	—
33	1	—	1	—	—	—	—	—	—	—	—	—
31	1	—	1	—	—	—	1	—	1	—	—	—
30	1	—	—	—	—	1	3	—	2	—	—	1
29	1	—	1	—	—	—	1	—	—	—	—	1
28	—	—	—	—	—	—	2	—	—	—	—	2
27	—	—	—	—	—	—	32	—	1	—	—	31
26	—	—	—	—	—	—	13	—	—	—	—	13
25	—	—	—	—	—	—	36	—	—	—	—	36
24	1	—	—	—	—	1	33	—	—	—	—	33
23	2	—	—	—	—	2	13	—	—	—	—	13
22	1	—	—	—	—	1	10	—	—	—	—	10
21	—	—	—	—	—	—	6	—	—	—	—	6
20	12	—	—	4	—	8	35	—	—	4	—	31
19	11	—	—	—	—	11	88	—	—	—	—	88
18	11	—	—	—	—	11	8	—	—	—	—	8
17	8	—	—	1	—	7	9	—	—	2	2	5
16	50	—	7	21	1	21	52	—	—	27	—	25

Trips and Drafts of Vessels, 1998
(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

SCHUYLKILL RIVER, PA - continued

	Upbound						Downbound					
DOMESTIC												
15	22	—	—	5	1	16	34	—	—	15	—	19
14	139	—	—	24	—	115	137	—	—	24	—	113
13	158	—	—	146	—	12	176	—	—	128	—	48
12	3,449	—	—	2,233	17	1,199	3,163	—	—	2,233	18	912
										Total trips:		7,772

PHILADELPHIA HARBOR, PA

	Inbound						Outbound					
Grand Total	13,145	1,282	390	8,950	58	2,465	13,137	1,275	382	8,952	61	2,467

FOREIGN

Total	1,034	755	263	6	10	—	1,016	744	256	5	11	—
43	36	5	31	—	—	—	2	1	1	—	—	—
40	24	6	16	—	2	—	4	2	2	—	—	—
39	12	3	7	—	2	—	1	1	—	—	—	—
38	98	14	83	—	1	—	6	2	4	—	—	—
37	14	7	7	—	—	—	—	—	—	—	—	—
36	26	16	10	—	—	—	1	—	1	—	—	—
35	28	17	9	—	2	—	8	5	3	—	—	—
34	16	10	5	—	1	—	5	2	3	—	—	—
33	23	17	6	—	—	—	13	10	3	—	—	—
32	24	21	3	—	—	—	23	18	5	—	—	—
31	34	29	5	—	—	—	29	12	17	—	—	—
30	39	30	8	1	—	—	82	46	36	—	—	—
29	56	52	4	—	—	—	47	38	9	—	—	—
28	58	48	10	—	—	—	78	42	36	—	—	—
27	66	55	11	—	—	—	40	23	17	—	—	—
26	51	45	6	—	—	—	140	68	72	—	—	—
25	79	71	8	—	—	—	74	63	11	—	—	—
24	99	87	12	—	—	—	64	53	11	—	—	—
23	72	66	6	—	—	—	46	40	6	—	—	—
22	49	43	4	1	1	—	53	46	7	—	—	—
21	34	32	2	—	—	—	61	55	4	1	1	—
20	20	16	4	—	—	—	61	59	2	—	—	—
19	16	14	1	1	—	—	38	37	1	—	—	—
18	60	51	5	3	1	—	140	121	5	4	10	—

DOMESTIC

Total	12,111	527	127	8,944	48	2,465	12,121	531	126	8,947	50	2,467
40	48	—	—	—	—	48	—	—	—	—	—	—
37	45	—	45	—	—	—	6	—	6	—	—	—
36	25	—	3	—	—	22	1	—	—	—	—	1
35	37	—	1	—	—	36	14	—	—	—	—	14
34	2	—	2	—	—	—	3	—	3	—	—	—
33	3	—	3	—	—	—	1	—	1	—	—	—
32	12	—	3	9	—	—	10	—	1	9	—	—
31	2	—	2	—	—	—	1	—	1	—	—	—
30	14	—	10	—	—	4	9	—	7	—	—	2
29	12	—	9	2	—	1	9	—	3	2	—	4
28	10	—	9	—	—	1	11	1	6	—	—	4
27	7	—	7	—	—	—	163	120	12	—	—	31
26	96	86	4	—	—	6	25	5	4	—	—	16
25	12	6	6	—	—	—	47	3	6	—	—	38
24	12	5	5	—	—	2	42	—	6	—	—	36
23	35	30	1	—	—	4	18	2	2	—	—	14
22	5	1	3	—	—	1	12	1	1	—	—	10
21	1	—	—	—	1	—	8	1	—	—	1	6
20	13	—	—	7	—	6	53	—	13	7	—	33
19	25	4	2	—	—	19	93	3	—	—	—	90
18	11,695	395	12	8,926	47	2,315	11,595	395	54	8,929	49	2,168
										Total trips:		26,282

Trips and Drafts of Vessels, 1998
(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

				Inbound						Outbound		
Grand Total	458	---	---	229	135	94	465	---	---	233	135	97

DOMESTIC

Total	458	---	---	229	135	94	465	---	---	233	135	97
22	13	---	---	---	13	---	---	---	---	---	---	---
21	13	---	---	---	13	---	---	---	---	---	---	---
20	3	---	---	---	3	---	---	---	---	---	---	---
18	12	---	---	---	---	12	---	---	---	---	---	---
17	46	---	---	---	46	---	---	---	---	---	---	---
16	89	---	---	34	55	---	72	---	---	44	28	---
15	24	---	---	19	5	---	30	---	---	29	1	---
14	82	---	---	---	---	82	---	---	---	---	---	---
13	3	---	---	3	---	---	3	---	---	3	---	---
12	5	---	---	5	---	---	5	---	---	5	---	---
11	50	---	---	50	---	---	36	---	---	36	---	---
10	20	---	---	20	---	---	18	---	---	16	---	2
9	1	---	---	1	---	---	1	---	---	1	---	---
6	97	---	---	97	---	---	300	---	---	99	106	95
										Total trips:		923

WILMINGTON HARBOR, DE

				Inbound						Outbound		
Grand Total	1,806	409	21	729	31	616	1,811	407	24	725	35	620

FOREIGN

Total	432	409	21	1	1	---	431	407	24	---	---	---
40	1	---	1	---	---	---	1	---	1	---	---	---
39	2	2	---	---	---	---	1	1	---	---	---	---
38	3	2	1	---	---	---	1	---	1	---	---	---
37	6	2	4	---	---	---	1	1	---	---	---	---
36	3	1	2	---	---	---	---	---	---	---	---	---
35	6	6	---	---	---	---	1	1	---	---	---	---
34	6	4	2	---	---	---	2	2	---	---	---	---
33	8	5	3	---	---	---	5	5	---	---	---	---
32	5	5	---	---	---	---	7	7	---	---	---	---
31	10	7	3	---	---	---	2	1	1	---	---	---
30	16	15	1	---	---	---	18	18	---	---	---	---
29	28	28	---	---	---	---	7	7	---	---	---	---
28	51	51	---	---	---	---	32	26	6	---	---	---
27	59	57	2	---	---	---	60	55	5	---	---	---
26	39	39	---	---	---	---	30	26	4	---	---	---
25	44	42	2	---	---	---	37	35	2	---	---	---
24	48	48	---	---	---	---	47	47	---	---	---	---
23	28	28	---	---	---	---	62	62	---	---	---	---
22	19	19	---	---	---	---	30	28	2	---	---	---
21	19	19	---	---	---	---	19	17	2	---	---	---
20	12	12	---	---	---	---	15	15	---	---	---	---
19	6	6	---	---	---	---	20	20	---	---	---	---
18	13	11	---	1	1	---	33	33	---	---	---	---

DOMESTIC

Total	1,374	---	---	728	30	616	1,380	---	---	725	35	620
28	1	---	---	---	---	1	---	---	---	---	---	---
27	2	---	---	---	---	2	---	---	---	---	---	---
26	1	---	---	---	---	1	---	---	---	---	---	---
25	3	---	---	---	---	3	---	---	---	---	---	---
24	3	---	---	---	---	3	---	---	---	---	---	---
23	1	---	---	---	---	1	---	---	---	---	---	---
20	1	---	---	---	---	1	---	---	---	---	---	---
19	9	---	---	---	---	9	---	---	---	---	---	---
18	1,353	---	---	728	30	595	1,380	---	---	725	35	620
										Total trips:		3,617

Trips and Drafts of Vessels, 1998
(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

	Upbound						Downbound					
Grand Total	4,238	429	20	1,787	1,183	819	4,296	482	21	1,787	1,187	819

FOREIGN

Total	345	335	10	—	—	—	402	391	11	—	—	—
32	25	25	—	—	—	—	24	23	1	—	—	—
31	21	21	—	—	—	—	33	33	—	—	—	—
30	14	14	—	—	—	—	28	28	—	—	—	—
29	20	20	—	—	—	—	28	27	1	—	—	—
28	36	31	5	—	—	—	44	43	1	—	—	—
27	39	38	1	—	—	—	63	61	2	—	—	—
26	42	42	—	—	—	—	38	36	2	—	—	—
25	42	41	1	—	—	—	55	54	1	—	—	—
24	33	32	1	—	—	—	17	15	2	—	—	—
23	17	16	1	—	—	—	17	16	1	—	—	—
22	14	14	—	—	—	—	10	10	—	—	—	—
21	14	13	1	—	—	—	10	10	—	—	—	—
20	10	10	—	—	—	—	6	6	—	—	—	—
19	3	3	—	—	—	—	3	3	—	—	—	—
18	4	4	—	—	—	—	5	5	—	—	—	—
17	2	2	—	—	—	—	2	2	—	—	—	—
16	2	2	—	—	—	—	3	3	—	—	—	—
15	4	4	—	—	—	—	7	7	—	—	—	—
14	2	2	—	—	—	—	2	2	—	—	—	—
12	1	1	—	—	—	—	7	7	—	—	—	—

DOMESTIC

Total	3,893	94	10	1,787	1,183	819	3,894	91	10	1,787	1,187	819
32	29	25	1	3	—	—	33	23	1	6	—	3
31	—	—	—	—	—	—	2	—	2	—	—	—
30	—	—	—	—	—	—	2	—	1	—	—	1
29	—	—	—	—	—	—	4	—	1	1	—	2
28	—	—	—	—	—	—	4	—	—	—	—	4
27	8	—	8	—	—	—	11	—	1	—	6	4
26	2	—	—	—	—	2	11	—	1	—	1	9
25	2	1	—	—	—	1	8	—	1	—	2	5
24	9	—	1	—	—	8	11	—	1	—	1	9
23	3	—	—	—	1	2	9	—	—	—	3	6
22	70	—	—	—	66	4	13	—	—	—	1	12
21	67	—	—	—	67	—	6	—	1	—	2	3
20	16	—	—	—	14	2	25	—	—	—	1	24
19	9	—	—	—	3	6	12	—	—	—	—	12
18	6	—	—	—	1	5	14	—	—	2	—	12
17	117	—	—	62	51	4	75	—	—	55	1	19
16	165	1	—	43	110	11	307	—	—	59	123	125
15	126	—	—	97	16	13	190	—	—	100	9	81
14	16	—	—	12	2	2	99	—	—	8	—	91
13	45	—	—	36	1	8	84	—	—	35	—	49
12	3,203	67	—	1,534	851	751	2,974	68	—	1,521	1,037	348
										Total trips:		8,534

ABSECON CREEK, NJ
No Vessel Trips Reported

ABSECON INLET, NJ
(12 feet and less)

	Upbound						Downbound					
Grand Total	633	633	—	—	—	—	633	633	—	—	—	—
										Total trips:		1,266

ALLOWAY CREEK, NJ
No Vessel Trips Reported

APPOQUINIMINK RIVER, DE
No Vessel Trips Reported

Trips and Drafts of Vessels, 1998
(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
BARNEGAT INLET, NJ (6 feet and less)												
				Upbound							Downbound	
Grand Total	788	788	---	---	---	---	788	788	---	---	---	---
										Total trips:	---	1,576
BIG TIMBER CREEK, NJ No Vessel Trips Reported												
BROADKILL RIVER, DE No Vessel Trips Reported												
CAPE MAY CANAL, NJ (9 feet and less)												
				Upbound							Downbound	
Grand Total	4,408	4,407	---	1	---	---	4,409	4,407	---	2	---	---
										Total trips:	---	8,817
COHANSEY RIVER, NJ (6 feet and less)												
				Upbound							Downbound	
Grand Total	180	180	---	---	---	---	179	179	---	---	---	---
										Total trips:	---	359
COLD SPRING INLET, NJ (9 feet and less)												
				Upbound							Downbound	
Grand Total	3,306	3,306	---	---	---	---	3,306	3,306	---	---	---	---
										Total trips:	---	6,612
COOPER RIVER, NJ No Vessel Trips Reported												
HARBOR OF REFUGE, DELAWARE BAY, DE (12 feet and less)												
				Inbound							Outbound	
Grand Total	2,795	2,795	---	---	---	---	2,800	2,800	---	---	---	---
										Total trips:	---	5,595
HOPE CREEK, NJ No Vessel Trips Reported												
INDIAN RIVER INLET AND BAY, DE (7 feet and less)												
				Upbound							Downbound	
Grand Total	497	497	---	---	---	---	497	497	---	---	---	---
										Total trips:	---	994
INLAND WATERWAY BETWEEN REHOBOTH BAY AND DELAWARE BAY, DE (6 feet and less)												
				Upbound							Downbound	
Grand Total	206	200	---	6	---	---	207	200	---	7	---	---
										Total trips:	---	413

Trips and Drafts of Vessels, 1998
(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
LEIPSIC RIVER, DE (2 feet and less)												
				Upbound							Downbound	
Grand Total	119	119	---	---	---	---	119	119	---	---	---	---
										Total trips:	---	238
LITTLE EGG HARBOR, NJ No Vessel Trips Reported												
LITTLE RIVER, DE No Vessel Trips Reported												
MANASQUAN RIVER, NJ (6 feet and less)												
				Upbound							Downbound	
Grand Total	802	802	---	---	---	---	802	802	---	---	---	---
										Total trips:	---	1,604
MANTUA CREEK, NJ (9 feet and less)												
				Upbound							Downbound	
Grand Total	25	---	---	12	13	---	24	---	---	12	12	---
										Total trips:	---	49
MAURICE RIVER, NJ (9 feet and less)												
				Upbound							Downbound	
Grand Total	418	418	---	---	---	---	416	416	---	---	---	---
										Total trips:	---	834
MISPILLION RIVER, DE (6 feet and less)												
				Upbound							Downbound	
Grand Total	4,000	4,000	---	---	---	---	4,000	4,000	---	---	---	---
										Total trips:	---	8,000
MURDERKILL RIVER, DE (7 feet and less)												
				Upbound							Downbound	
Grand Total	332	331	---	1	---	---	332	331	---	1	---	---
										Total trips:	---	664
NEW JERSEY INTRACOASTAL WATERWAY (9 feet and less)												
				Upbound							Downbound	
Grand Total	10,204	10,203	---	1	---	---	10,205	10,203	---	2	---	---
										Total trips:	---	20,409
OLDMANS CREEK, NJ No Vessel Trips Reported												
PEPPER CREEK, DE No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(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
SALEM RIVER, NJ (17 feet and less)												
	Upbound						Downbound					
Grand Total	61	57	---	4	---	---	64	59	2	3	---	---
											Total trips:	125
SMYRNA RIVER, DE No Vessel Trips Reported												
ST. JONES RIVER, DE No Vessel Trips Reported												
TOMS RIVER, NJ (4 feet and less)												
	Upbound						Downbound					
Grand Total	176	176	---	---	---	---	176	176	---	---	---	---
											Total trips:	352
TUCKERTON CREEK, NJ No Vessel Trips Reported												
WATERWAY FROM INDIAN RIVER INLET TO REHOBOTH BAY, DE (6 feet and less)												
	Upbound						Downbound					
Grand Total	200	200	---	---	---	---	201	200	---	1	---	---
											Total trips:	401

Trips and Drafts of Vessels, 1998
(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	15,347	5,090	169	6,396	1,577	2,115	15,365	5,119	162	6,393	1,577	2,114

FOREIGN

Total	1,780	1,634	133	7	5	1	1,799	1,664	125	5	5	—
45	24	24	—	—	—	—	45	44	1	—	—	—
44	4	4	—	—	—	—	2	2	—	—	—	—
43	4	4	—	—	—	—	5	5	—	—	—	—
42	3	3	—	—	—	—	3	3	—	—	—	—
41	4	4	—	—	—	—	2	2	—	—	—	—
40	11	5	6	—	—	—	6	5	1	—	—	—
39	4	4	—	—	—	—	8	8	—	—	—	—
38	13	11	2	—	—	—	4	4	—	—	—	—
37	29	18	11	—	—	—	6	6	—	—	—	—
36	30	25	5	—	—	—	14	13	1	—	—	—
35	31	28	3	—	—	—	14	14	—	—	—	—
34	82	73	9	—	—	—	28	27	1	—	—	—
33	83	72	11	—	—	—	52	48	4	—	—	—
32	110	91	19	—	—	—	85	82	3	—	—	—
31	132	127	5	—	—	—	84	84	—	—	—	—
30	118	114	4	—	—	—	134	129	5	—	—	—
29	162	157	5	—	—	—	147	147	—	—	—	—
28	125	114	11	—	—	—	219	205	14	—	—	—
27	159	153	6	—	—	—	136	119	17	—	—	—
26	120	114	6	—	—	—	147	136	11	—	—	—
25	113	108	5	—	—	—	103	96	6	1	—	—
24	136	131	4	—	—	1	121	111	10	—	—	—
23	74	71	2	—	1	—	95	85	10	—	—	—
22	66	61	4	1	—	—	56	47	8	1	—	—
21	36	33	3	—	—	—	71	64	7	—	—	—
20	30	23	5	—	2	—	49	38	10	—	1	—
19	21	17	1	1	2	—	27	24	2	1	—	—
18	56	45	6	5	—	—	136	116	14	2	4	—

DOMESTIC

Total	13,567	3,456	36	6,389	1,572	2,114	13,566	3,455	37	6,388	1,572	2,114
39	1	—	1	—	—	—	—	—	—	—	—	—
34	2	—	2	—	—	—	—	—	—	—	—	—
33	6	—	6	—	—	—	2	—	2	—	—	—
32	16	—	5	11	—	—	15	—	1	14	—	—
31	2	—	2	—	—	—	—	—	—	—	—	—
30	1	—	—	—	—	1	—	—	—	—	—	1
29	7	—	1	2	—	4	5	—	1	2	—	2
28	3	—	—	—	—	3	1	—	—	—	—	1
27	9	—	2	—	5	2	3	—	1	—	1	1
26	10	—	—	—	2	8	12	—	6	—	—	6
25	10	1	—	—	3	6	5	1	1	—	—	3
24	11	—	—	—	2	9	2	—	—	—	—	2
23	14	—	—	—	7	7	15	—	1	—	14	—
22	17	1	—	—	5	11	46	—	—	—	46	—
21	367	1	1	—	363	2	176	1	8	—	167	—
20	62	—	1	—	42	19	61	—	1	2	57	1
19	9	—	—	—	4	5	8	—	—	—	7	1
18	13,020	3,453	15	6,376	1,139	2,037	13,214	3,453	15	6,370	1,280	2,096
										Total trips:		30,712

SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD

	Upbound						Downbound					
Grand Total	1,349	—	—	607	742	—	1,368	—	—	616	752	—

DOMESTIC

Total	1,349	—	—	607	742	—	1,368	—	—	616	752	—
11	—	—	—	—	—	—	65	—	—	—	65	—
10	258	—	—	258	—	—	436	—	—	258	178	—
9	115	—	—	115	—	—	292	—	—	117	175	—
8	182	—	—	182	—	—	295	—	—	182	113	—
7	3	—	—	3	—	—	106	—	—	9	97	—
6	38	—	—	38	—	—	96	—	—	39	57	—
5	121	—	—	10	111	—	25	—	—	10	15	—
4	50	—	—	1	49	—	6	—	—	1	5	—
3	172	—	—	—	172	—	12	—	—	—	12	—

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SUSQUEHANNA RIVER ABOVE AND BELOW HAVRE DE GRACE, MD - continued

Upbound							Downbound					
DOMESTIC												
2	410	—	—	—	410	—	34	—	—	—	34	—
1	—	—	—	—	—	—	1	—	—	—	1	—
Total trips:											2,717	

NANTICOKE RIVER (INCLUDING NORTHWEST FORK), DE AND MD

Upbound							Downbound					
Grand Total												
	506	36	—	239	153	78	511	36	—	233	165	77
DOMESTIC												
Total	506	36	—	239	153	78	511	36	—	233	165	77
16	1	—	—	—	—	1	—	—	—	—	—	—
14	2	—	—	—	—	2	—	—	—	—	—	—
12	11	—	—	5	—	6	20	—	—	2	18	—
11	5	—	—	—	2	3	3	—	—	—	3	—
10	68	—	—	30	21	17	49	—	—	28	21	—
9	127	—	—	55	51	21	80	—	—	55	25	—
8	74	—	—	39	22	13	55	—	—	39	13	3
7	108	—	—	83	11	14	92	—	—	82	9	1
6	110	36	—	27	46	1	212	36	—	27	76	73
Total trips:											1,017	

WICOMICO RIVER, MD (EASTERN SHORE)

Upbound							Downbound					
Grand Total												
	971	—	—	495	264	212	956	—	—	491	260	205
DOMESTIC												
Total	971	—	—	495	264	212	956	—	—	491	260	205
16	12	—	—	—	—	12	—	—	—	—	—	—
15	45	—	—	—	—	45	1	—	—	—	—	1
14	16	—	—	—	—	16	—	—	—	—	—	—
13	1	—	—	—	—	1	—	—	—	—	—	—
12	19	—	—	—	—	19	—	—	—	—	—	—
11	53	—	—	—	50	3	—	—	—	—	—	—
10	289	—	—	123	116	50	121	—	—	121	—	—
9	123	—	—	57	31	35	59	—	—	56	3	—
8	87	—	—	43	19	25	44	—	—	43	—	1
7	87	—	—	71	15	1	73	—	—	73	—	—
6	239	—	—	201	33	5	658	—	—	198	257	203
Total trips:											1,927	

POCOMOKE RIVER, MD

Upbound							Downbound					
Grand Total												
	637	151	—	169	317	—	638	161	—	167	310	—
DOMESTIC												
Total	637	151	—	169	317	—	638	161	—	167	310	—
10	10	—	—	4	6	—	4	—	—	4	—	—
9	28	—	—	—	28	—	—	—	—	—	—	—
8	156	—	—	140	16	—	161	5	—	139	17	—
7	27	—	—	23	4	—	32	—	—	23	9	—
6	416	151	—	2	263	—	441	156	—	1	284	—
Total trips:											1,275	

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
WASHINGTON HARBOR, DC												
	Inbound						Outbound					
Grand Total	2,098	1,322	---	348	394	34	2,103	1,323	---	353	393	34
DOMESTIC												
Total	2,098	1,322	---	348	394	34	2,103	1,323	---	353	393	34
13	14	---	---	---	---	14	---	---	---	---	---	---
12	2,084	1,322	---	348	394	20	2,103	1,323	---	353	393	34
										Total trips:		4,201
ANACOSTIA RIVER, DC												
	Upbound						Downbound					
Grand Total	773	---	---	346	393	34	779	---	---	352	393	34
DOMESTIC												
Total	773	---	---	346	393	34	779	---	---	352	393	34
13	14	---	---	---	---	14	---	---	---	---	---	---
12	759	---	---	346	393	20	779	---	---	352	393	34
										Total trips:		1,552
POTOMAC RIVER BELOW WASHINGTON, DC												
	Upbound						Downbound					
Grand Total	5,188	3,242	2	937	777	230	5,207	3,242	7	946	783	229
FOREIGN												
Total	36	32	2	1	1	---	41	32	7	1	1	---
35	2	1	1	---	---	---	---	---	---	---	---	---
33	1	---	1	---	---	---	---	---	---	---	---	---
30	---	---	---	---	---	---	1	---	1	---	---	---
29	---	---	---	---	---	---	1	---	1	---	---	---
28	---	---	---	---	---	---	1	---	1	---	---	---
27	---	---	---	---	---	---	2	---	2	---	---	---
25	---	---	---	---	---	---	1	---	1	---	---	---
23	2	2	---	---	---	---	4	4	---	---	---	---
22	2	2	---	---	---	---	1	---	1	---	---	---
21	2	2	---	---	---	---	1	1	---	---	---	---
20	2	1	---	1	---	---	2	1	---	1	---	---
19	2	2	---	---	---	---	1	1	---	---	---	---
18	23	22	---	---	1	---	26	25	---	---	1	---
DOMESTIC												
Total	5,152	3,210	---	936	776	230	5,166	3,210	---	945	782	229
28	2	---	---	---	---	2	---	---	---	---	---	---
27	3	---	---	---	---	3	---	---	---	---	---	---
26	1	---	---	---	---	1	---	---	---	---	---	---
25	1	---	---	---	---	1	---	---	---	---	---	---
24	5	---	---	---	---	5	2	---	---	---	---	2
23	2	---	---	---	---	2	2	---	---	---	---	2
22	6	---	---	---	---	6	4	---	---	---	---	4
21	1	---	---	---	---	1	---	---	---	---	---	---
20	5	---	---	---	---	5	3	---	---	2	---	1
19	2	---	---	---	---	2	1	---	---	---	---	1
18	5,124	3,210	---	936	776	202	5,154	3,210	---	943	782	219
										Total trips:		10,395
BRETON BAY, MD												
	Upbound						Downbound					
Grand Total	421	---	---	199	222	---	425	---	---	201	224	---
DOMESTIC												
Total	421	---	---	199	222	---	425	---	---	201	224	---
11	---	---	---	---	---	---	11	---	---	38	11	---
10	38	---	---	38	---	---	90	---	---	38	52	---

Trips and Drafts of Vessels, 1998
(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

9	24	—	—	24	—	—	67	—	—	24	43	—
8	137	—	—	137	—	—	196	—	—	138	58	—
7	—	—	—	—	—	—	8	—	—	1	7	—
6	—	—	—	—	—	—	31	—	—	—	31	—
5	—	—	—	—	—	—	1	—	—	—	1	—
3	98	—	—	—	98	—	11	—	—	—	11	—
2	124	—	—	—	124	—	10	—	—	—	10	—
Total trips:											846	

OCCOQUAN CREEK, VA

Upbound

Downbound

Grand Total	429	—	—	194	235	—	429	—	—	194	235	—
DOMESTIC												
Total	429	—	—	194	235	—	429	—	—	194	235	—
10	8	—	—	7	1	—	7	—	—	7	—	—
9	20	—	—	—	20	—	—	—	—	—	—	—
8	273	—	—	187	86	—	187	—	—	187	—	—
7	19	—	—	—	19	—	—	—	—	—	—	—
6	88	—	—	—	88	—	—	—	—	—	—	—
5	3	—	—	—	3	—	—	—	—	—	—	—
3	12	—	—	—	12	—	155	—	—	—	155	—
2	6	—	—	—	6	—	80	—	—	—	80	—
Total trips:											858	

ANNAPOLIS HARBOR, MD
(9 feet and less)

Inbound

Outbound

Grand Total	1,630	1,629	—	1	—	—	1,630	1,629	—	1	—	—
Total trips:											3,260	

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

Trips and Drafts of Vessels, 1998
(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
BROADWATER CREEK, MD No Vessel Trips Reported												
CADLE CREEK, MD No Vessel Trips Reported												
CAMBRIDGE HARBOR, MD No Vessel Trips Reported												
CHANNEL TO ISLAND CREEK, ST. GEORGE ISLAND, MD No Vessel Trips Reported												
CHESTER RIVER, MD (10 feet and less)												
				Upbound						Downbound		
Grand Total	128	12	---	44	72	---	104	12	---	33	59	---
										Total trips:		232
CHOPTANK RIVER, MD (10 feet and less)												
				Upbound						Downbound		
Grand Total	141	---	---	69	72	---	147	---	---	67	80	---
										Total trips:		288
CLAIBORNE HARBOR, MD No Vessel Trips Reported												
COAN RIVER, VA (2 feet and less)												
				Upbound						Downbound		
Grand Total	16	16	---	---	---	---	16	16	---	---	---	---
										Total trips:		32
CORSICA RIVER, MD No Vessel Trips Reported												
CRISFIELD HARBOR, MD (7 feet and less)												
				Inbound						Outbound		
Grand Total	748	700	---	---	---	48	747	698	---	---	---	49
										Total trips:		1,495
CUCKOLD CREEK, MD No Vessel Trips Reported												
DUCK POINT COVE, MD No Vessel Trips Reported												
ELK AND LITTLE ELK RIVERS, MD (7 feet and less)												
				Upbound						Downbound		
Grand Total	75	67	---	4	4	---	76	67	---	6	3	---
										Total trips:		151

Trips and Drafts of Vessels, 1998
(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

FISHING BAY TRIBUTARIES, DORCHESTER COUNTY, MD
(7 feet and less)

				Upbound						Downbound		
Grand Total	1	—	—	1	—	—	1	—	—	1	—	—
										Total trips:	—	2

FISHING CREEK, CALVERT COUNTY, MD
(4 feet and less)

				Upbound						Downbound		
Grand Total	9	—	—	3	6	—	9	—	—	3	6	—
										Total trips:	6	18

GOOSE CREEK, SOMMERSET COUNTY, MD
No Vessel Trips Reported

HERRING BAY AND ROCKHOLD CREEK, MD
No Vessel Trips Reported

HERRING CREEK, MD
No Vessel Trips Reported

HONGA RIVER AND TAR BAY, MD
(2 feet and less)

				Upbound						Downbound		
Grand Total	26	—	—	26	—	—	26	—	—	26	—	—
										Total trips:	—	52

ISLAND CREEK, MD
No Vessel Trips Reported

KNAPPS NARROWS, MD
(7 feet and less)

				Upbound						Downbound		
Grand Total	—	—	—	—	—	—	7	—	—	4	3	—
										Total trips:	7	7

LITTLE CREEK, QUEEN ANNES COUNTY, MD
No Vessel Trips Reported

LITTLE WICOMICO RIVER, VA
(2 feet and less)

				Upbound						Downbound		
Grand Total	7,829	7,829	—	—	—	—	7,829	7,829	—	—	—	—
										Total trips:	—	15,658

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

Trips and Drafts of Vessels, 1998
(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
MANOKIN RIVER, MD (7 feet and less)												
				Upbound							Downbound	
Grand Total	2	—	—	1	1	—	2	—	—	1	1	—
										Total trips:		4
MIDDLE RIVER AND DARK HEAD CREEK, MD (9 feet and less)												
				Upbound							Downbound	
Grand Total	23	—	—	13	10	—	23	—	—	13	10	—
										Total trips:		46
MILL CREEK, MD No Vessel Trips Reported												
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 (10 feet and less)												
				Inbound							Outbound	
Grand Total	2,485	2,485	—	—	—	—	2,485	2,485	—	—	—	—
										Total trips:		4,970
PARISH CREEK, MD No Vessel Trips Reported												
PATUXENT RIVER, MD (13 feet and less)												
				Upbound							Downbound	
Grand Total	107	3	—	52	27	25	105	3	—	51	27	24
										Total trips:		212

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
POTOMAC RIVER AT ALEXANDRIA, VA (20 feet and less)												
				Inbound							Outbound	
Grand Total	3,119	3,099	—	14	6	—	3,123	3,098	—	14	11	—
										Total trips:	6,242	
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	587	587	—	—	—	—	585	585	—	—	—	—
										Total trips:	1,172	
POTOMAC RIVER, VIRGINIA CHANNEL, DC (8 feet and less)												
				Upbound							Downbound	
Grand Total	211	210	—	1	—	—	212	211	—	1	—	—
										Total trips:	423	
POTOMAC RIVER, WASHINGTON CHANNEL, DC (8 feet and less)												
				Upbound							Downbound	
Grand Total	1,114	1,112	—	1	1	—	1,112	1,112	—	—	—	—
										Total trips:	2,226	
QUEENSTOWN HARBOR, MD (1 feet and less)												
				Inbound							Outbound	
Grand Total	4	4	—	—	—	—	4	4	—	—	—	—
										Total trips:	8	
RHODES POINT TO TYLERTON, SOMERSET COUNTY, MD (7 feet and less)												
				Upbound							Downbound	
Grand Total	354	354	—	—	—	—	354	354	—	—	—	—
										Total trips:	708	
ROCK HALL HARBOR, MD No Vessel Trips Reported												
SLAUGHTER CREEK, MD (8 feet and less)												
				Upbound							Downbound	
Grand Total	16	—	—	12	4	—	19	—	—	12	7	—
										Total trips:	35	
SMITH CREEK, MD (7 feet and less)												
				Upbound							Downbound	
Grand Total	1	—	—	—	1	—	1	—	—	—	1	—
										Total trips:	2	

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
ST. CATHERINES SOUND, MD (7 feet and less)												
				Upbound							Downbound	
Grand Total	1	—	—	1	—	—	1	—	—	1	—	—
										Total trips:	—	2
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 (7 feet and less)												
				Inbound							Outbound	
Grand Total	1	—	—	1	—	—	1	—	—	1	—	—
										Total trips:	—	2
TOWN CREEK, MD No Vessel Trips Reported												
TRED AVON RIVER, MD (10 feet and less)												
				Upbound							Downbound	
Grand Total	4,197	4,076	—	54	67	—	4,198	4,076	—	54	68	—
										Total trips:	88	8,395
TWITCH COVE AND BIG THOROUGHFARE RIVER, MD (8 feet and less)												
				Upbound							Downbound	
Grand Total	445	394	—	—	2	49	442	394	—	—	—	48
										Total trips:	—	887
TYASKIN CREEK, MD No Vessel Trips Reported												
UPPER MACHODOC CREEK, VA (5 feet and less)												
				Upbound							Downbound	
Grand Total	2	—	—	1	1	—	2	—	—	1	1	—
										Total trips:	—	4
UPPER THOROUGHFARE, DEAL ISLAND, MD (9 feet and less)												
				Upbound							Downbound	
Grand Total	2	—	—	1	1	—	2	—	—	1	1	—
										Total trips:	—	4
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, 1998
(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

Grand Total	Upbound						Downbound					
	15,605	2,954	544	7,215	4,040	852	15,863	3,184	540	7,216	4,057	866

FOREIGN

Total	1,678	1,571	100	4	2	1	1,909	1,802	96	5	5	1
50	—	—	—	—	—	—	69	69	—	—	—	—
49	—	—	—	—	—	—	13	13	—	—	—	—
48	—	—	—	—	—	—	18	18	—	—	—	—
47	—	—	—	—	—	—	26	26	—	—	—	—
46	—	—	—	—	—	—	26	26	—	—	—	—
45	1	—	1	—	—	—	10	10	—	—	—	—
44	1	—	1	—	—	—	9	9	—	—	—	—
43	3	1	2	—	—	—	13	13	—	—	—	—
42	5	1	4	—	—	—	17	15	2	—	—	—
41	8	2	6	—	—	—	9	8	1	—	—	—
40	5	2	3	—	—	—	12	12	—	—	—	—
39	13	8	5	—	—	—	18	17	1	—	—	—
38	19	16	3	—	—	—	23	21	2	—	—	—
37	31	27	4	—	—	—	34	33	1	—	—	—
36	54	50	4	—	—	—	93	90	3	—	—	—
35	92	88	4	—	—	—	102	99	3	—	—	—
34	102	101	1	—	—	—	105	99	6	—	—	—
33	127	124	3	—	—	—	160	157	2	—	1	—
32	153	149	2	1	—	—	170	168	—	1	—	1
31	153	151	2	—	—	—	140	135	5	—	—	—
30	151	150	1	—	—	—	132	129	3	—	—	—
29	146	143	3	—	—	—	118	116	2	—	—	—
28	118	113	5	—	—	—	107	105	2	—	—	—
27	124	118	6	—	—	—	112	103	9	—	—	—
26	87	79	8	—	—	—	66	59	7	—	—	—
25	43	38	5	—	—	—	55	47	8	—	—	—
24	56	49	7	—	—	—	37	34	3	—	—	—
23	33	28	5	—	—	—	48	39	8	1	—	—
22	36	30	6	—	—	—	45	31	14	—	—	—
21	25	19	5	1	—	—	40	32	7	1	—	—
20	21	19	1	1	—	—	23	18	5	—	—	—
19	8	8	—	—	—	—	11	10	1	—	—	—
18	63	57	3	1	2	—	48	41	1	2	4	—

DOMESTIC

Total	13,927	1,383	444	7,211	4,038	851	13,954	1,382	444	7,211	4,052	865
36	—	—	—	—	—	—	1	—	—	—	—	1
35	3	1	—	—	—	2	—	—	—	—	—	—
34	2	1	1	—	—	—	1	—	—	—	—	1
33	3	2	1	—	—	—	—	—	—	—	—	—
32	4	2	—	2	—	—	3	—	—	2	—	1
31	4	4	—	—	—	—	1	—	1	—	—	—
30	33	33	—	—	—	—	—	—	—	—	—	—
29	2	2	—	—	—	—	—	—	—	—	—	—
27	13	—	1	—	12	—	1	—	1	—	—	—
26	2	—	2	—	—	—	1	—	1	—	—	—
25	3	—	1	—	2	—	6	—	—	—	4	2
24	9	—	1	—	7	1	3	—	2	—	1	—
23	6	—	—	—	6	—	33	31	—	—	2	—
22	17	—	1	—	3	13	21	2	1	—	17	1
21	4	—	1	—	3	—	17	—	—	—	17	—
20	2	—	—	—	2	—	51	—	1	—	50	—
19	36	31	1	—	1	3	22	—	—	—	22	—
18	13,784	1,307	434	7,209	4,002	832	13,793	1,349	437	7,209	3,939	859
										Total trips:		31,468

HAMPTON ROADS, VA

Grand Total	Inbound						Outbound					
	18,069	3,752	565	8,154	4,683	915	18,695	3,978	560	5,896	7,344	917

FOREIGN

Total	2,270	2,138	118	7	5	2	2,495	2,364	114	6	7	4
50	—	—	—	—	—	—	69	69	—	—	—	—
49	—	—	—	—	—	—	19	19	—	—	—	—
48	—	—	—	—	—	—	25	25	—	—	—	—
47	—	—	—	—	—	—	35	35	—	—	—	—

Trips and Drafts of Vessels, 1998
(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	1	1	—	—	—	—	56	56	—	—	—	—
45	1	—	1	—	—	—	16	16	—	—	—	—
44	1	—	1	—	—	—	15	15	—	—	—	—
43	3	1	2	—	—	—	18	18	—	—	—	—
42	5	1	4	—	—	—	26	24	2	—	—	—
41	8	2	6	—	—	—	12	11	1	—	—	—
40	5	2	3	—	—	—	16	16	—	—	—	—
39	13	8	5	—	—	—	22	21	1	—	—	—
38	21	18	3	—	—	—	31	29	2	—	—	—
37	35	31	4	—	—	—	45	44	1	—	—	—
36	64	60	4	—	—	—	104	101	3	—	—	—
35	100	95	5	—	—	—	108	105	3	—	—	—
34	109	108	1	—	—	—	109	103	6	—	—	—
33	151	145	6	—	—	—	180	177	2	—	1	—
32	180	175	3	1	—	1	189	186	1	1	—	1
31	193	188	5	—	—	—	172	167	5	—	—	—
30	192	188	4	—	—	—	165	159	6	—	—	—
29	205	201	4	—	—	—	150	146	4	—	—	—
28	177	172	5	—	—	—	156	151	5	—	—	—
27	194	187	7	—	—	—	164	155	9	—	—	—
26	136	127	9	—	—	—	106	96	10	—	—	—
25	85	77	8	—	—	—	87	79	8	—	—	—
24	86	77	8	—	1	—	74	70	4	—	—	—
23	67	62	5	—	—	—	72	60	11	1	—	—
22	54	48	6	—	—	—	68	53	15	—	—	—
21	35	29	5	1	—	—	59	48	8	1	1	1
20	31	29	1	1	—	—	28	23	5	—	—	—
19	16	14	—	—	1	1	16	15	1	—	—	—
18	102	92	3	4	3	—	83	72	1	3	5	2

DOMESTIC

Total	15,799	1,614	447	8,147	4,678	913	16,200	1,614	446	5,890	7,337	913
36	—	—	—	—	—	—	1	—	—	—	—	1
35	3	1	—	—	—	2	—	—	—	—	—	—
34	2	1	1	—	—	—	1	—	—	—	—	1
33	3	2	1	—	—	—	—	—	—	—	—	—
32	4	2	—	2	—	—	3	—	—	2	—	1
31	5	4	—	—	—	1	1	—	1	—	—	—
30	33	33	—	—	—	—	—	—	—	—	—	—
29	2	2	—	—	—	—	—	—	—	—	—	—
27	13	—	1	—	12	—	1	—	1	—	—	—
26	2	—	2	—	—	—	1	—	1	—	—	—
25	3	—	1	—	2	—	6	—	—	—	4	2
24	9	—	1	—	7	1	96	—	2	—	1	93
23	6	—	—	—	6	—	76	74	—	—	2	—
22	18	—	1	—	3	14	52	2	1	—	48	1
21	5	—	1	—	3	1	386	—	—	—	386	—
20	2	—	—	—	2	—	101	—	1	—	100	—
19	78	73	1	—	1	3	24	—	—	—	24	—
18	15,611	1,496	437	8,145	4,642	891	15,451	1,538	439	5,888	6,772	814
										Total trips:	6,772	36,764

CHANNEL TO NEWPORT NEWS, VA

	Upbound						Downbound					
Grand Total	13,679	770	125	7,412	5,058	314	13,653	740	125	7,410	5,058	320

FOREIGN

Total	745	715	23	3	3	1	714	684	24	1	2	3
49	—	—	—	—	—	—	6	6	—	—	—	—
48	—	—	—	—	—	—	7	7	—	—	—	—
47	—	—	—	—	—	—	9	9	—	—	—	—
46	1	1	—	—	—	—	30	30	—	—	—	—
45	—	—	—	—	—	—	6	6	—	—	—	—
44	—	—	—	—	—	—	6	6	—	—	—	—
43	—	—	—	—	—	—	5	5	—	—	—	—
42	—	—	—	—	—	—	9	9	—	—	—	—
41	—	—	—	—	—	—	3	3	—	—	—	—
40	—	—	—	—	—	—	4	4	—	—	—	—
39	—	—	—	—	—	—	4	4	—	—	—	—
38	2	2	—	—	—	—	8	8	—	—	—	—

Trips and Drafts of Vessels, 1998
(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

37	4	4	—	—	—	—	11	11	—	—	—	—
36	10	10	—	—	—	—	11	11	—	—	—	—
35	8	7	1	—	—	—	6	6	—	—	—	—
34	7	7	—	—	—	—	4	4	—	—	—	—
33	24	21	3	—	—	—	20	20	—	—	—	—
32	27	26	1	—	—	—	19	18	1	—	—	—
31	40	37	3	—	—	—	32	32	—	—	—	—
30	41	38	3	—	—	—	33	30	3	—	—	—
29	60	59	1	—	—	—	32	30	2	—	—	—
28	59	59	—	—	—	—	49	46	3	—	—	—
27	70	69	1	—	—	—	53	52	1	—	—	—
26	51	50	1	—	—	—	41	38	3	—	—	—
25	46	40	6	—	—	—	43	41	2	—	—	—
24	35	32	2	—	—	1	46	44	2	—	—	—
23	43	42	1	—	—	—	26	22	4	—	—	—
22	51	51	—	—	—	—	62	61	1	—	—	—
21	41	41	—	—	—	—	37	34	1	—	1	1
20	34	34	—	—	—	—	20	20	—	—	—	—
19	14	12	—	—	—	1	20	20	—	—	—	—
18	77	73	—	3	—	1	52	47	1	1	1	2

DOMESTIC

Total	12,934	55	102	7,409	5,055	313	12,939	56	101	7,409	5,056	317
31	1	—	—	—	—	1	—	—	—	—	—	—
24	—	—	—	—	—	—	6	—	—	—	6	—
23	—	—	—	—	—	—	44	43	—	—	1	—
22	1	—	—	—	—	1	31	—	—	—	31	—
21	1	—	—	—	—	1	370	—	—	—	370	—
20	1	—	—	—	—	1	51	—	—	—	51	—
19	43	42	—	—	—	1	2	—	—	—	2	—
18	12,887	13	102	7,409	5,055	308	12,435	13	101	7,409	4,595	317
										Total trips:		27,332

PORT OF NEWPORT NEWS, VA

Inbound

Outbound

Grand Total	3,674	627	110	2,524	270	143	3,673	623	108	2,532	270	140
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FOREIGN

Total	592	567	18	3	3	1	586	562	18	1	2	3
49	—	—	—	—	—	—	6	6	—	—	—	—
48	—	—	—	—	—	—	7	7	—	—	—	—
47	—	—	—	—	—	—	9	9	—	—	—	—
46	1	1	—	—	—	—	30	30	—	—	—	—
45	—	—	—	—	—	—	6	6	—	—	—	—
44	—	—	—	—	—	—	6	6	—	—	—	—
43	—	—	—	—	—	—	5	5	—	—	—	—
42	—	—	—	—	—	—	9	9	—	—	—	—
41	—	—	—	—	—	—	3	3	—	—	—	—
40	—	—	—	—	—	—	4	4	—	—	—	—
39	—	—	—	—	—	—	4	4	—	—	—	—
38	2	2	—	—	—	—	8	8	—	—	—	—
37	4	4	—	—	—	—	11	11	—	—	—	—
36	10	10	—	—	—	—	11	11	—	—	—	—
35	8	7	1	—	—	—	6	6	—	—	—	—
34	7	7	—	—	—	—	4	4	—	—	—	—
33	24	21	3	—	—	—	20	20	—	—	—	—
32	27	26	1	—	—	—	19	18	1	—	—	—
31	40	37	3	—	—	—	32	32	—	—	—	—
30	41	38	3	—	—	—	33	30	3	—	—	—
29	59	58	1	—	—	—	32	30	2	—	—	—
28	59	59	—	—	—	—	49	46	3	—	—	—
27	70	69	1	—	—	—	52	52	—	—	—	—
26	49	48	1	—	—	—	40	37	3	—	—	—
25	42	39	3	—	—	—	32	32	—	—	—	—
24	30	28	1	—	—	1	37	36	1	—	—	—
23	34	34	—	—	—	—	24	21	3	—	—	—
22	18	18	—	—	—	—	23	22	1	—	—	—
21	10	10	—	—	—	—	19	16	1	—	1	1
20	10	10	—	—	—	—	5	5	—	—	—	—
19	8	6	—	—	—	1	5	5	—	—	—	—

Trips and Drafts of Vessels, 1998
(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												
18	39	35	—	3	1	—	35	31	—	1	1	2
DOMESTIC												
Total	3,082	60	92	2,521	267	142	3,087	61	90	2,531	268	137
31	1	—	—	—	—	1	—	—	—	—	—	—
23	—	—	—	—	—	—	43	43	—	—	—	—
22	1	—	—	—	—	1	31	—	—	—	31	—
21	1	—	—	—	—	1	171	—	—	—	171	—
20	—	—	—	—	—	—	50	—	—	—	50	—
19	42	42	—	—	—	—	2	—	—	—	2	—
18	3,037	18	92	2,521	267	139	2,790	18	90	2,531	14	137
Total trips:											7,347	

PORT OF RICHMOND, VA

Inbound							Outbound					
Grand Total	1,476	1,296	13	86	2	79	1,484	1,299	13	89	2	81
FOREIGN												
Total	99	98	1	—	—	—	101	100	1	—	—	—
28	1	1	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	1	—	1	—	—	—
26	2	2	—	—	—	—	—	—	—	—	—	—
25	1	—	1	—	—	—	2	2	—	—	—	—
24	2	2	—	—	—	—	—	—	—	—	—	—
23	2	2	—	—	—	—	1	1	—	—	—	—
22	32	32	—	—	—	—	38	38	—	—	—	—
21	26	26	—	—	—	—	16	16	—	—	—	—
20	18	18	—	—	—	—	15	15	—	—	—	—
19	1	1	—	—	—	—	14	14	—	—	—	—
18	2	2	—	—	—	—	3	3	—	—	—	—
17	4	4	—	—	—	—	3	3	—	—	—	—
16	4	4	—	—	—	—	2	2	—	—	—	—
15	1	1	—	—	—	—	2	2	—	—	—	—
14	1	1	—	—	—	—	2	2	—	—	—	—
13	1	1	—	—	—	—	1	1	—	—	—	—
12	1	1	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	1,377	1,198	12	86	2	79	1,383	1,199	12	89	2	81
27	1	1	—	—	—	—	—	—	—	—	—	—
20	1	—	—	—	—	1	—	—	—	—	—	—
18	1	—	—	—	—	1	—	—	—	—	—	—
16	2	—	—	—	—	2	—	—	—	—	—	—
15	14	—	—	2	—	12	2	—	—	2	—	—
14	3	—	—	—	—	3	4	—	—	—	—	4
13	10	—	—	—	—	10	4	—	—	—	—	4
12	1,345	1,197	12	84	2	50	1,373	1,199	12	87	2	73
Total trips:											2,960	

PORT OF HOPEWELL, VA

Inbound							Outbound					
Grand Total	742	141	4	345	142	110	712	113	5	341	143	110
FOREIGN												
Total	54	50	4	—	—	—	27	22	5	—	—	—
26	—	—	—	—	—	—	1	1	—	—	—	—
25	3	1	2	—	—	—	9	7	2	—	—	—
24	3	2	1	—	—	—	9	8	1	—	—	—
23	7	6	1	—	—	—	1	—	1	—	—	—
22	1	1	—	—	—	—	1	1	—	—	—	—
21	5	5	—	—	—	—	2	2	—	—	—	—
20	6	6	—	—	—	—	—	—	—	—	—	—
19	5	5	—	—	—	—	1	1	—	—	—	—
18	2	2	—	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PORT OF HOPEWELL, VA - continued

Inbound

Outbound

FOREIGN

17	5	5	—	—	—	—	3	2	1	—	—	—
16	1	1	—	—	—	—	—	—	—	—	—	—
15	5	5	—	—	—	—	—	—	—	—	—	—
14	3	3	—	—	—	—	—	—	—	—	—	—
13	6	6	—	—	—	—	—	—	—	—	—	—
12	2	2	—	—	—	—	—	—	—	—	—	—

DOMESTIC

Total	688	91	—	345	142	110	685	91	—	341	143	110
24	—	—	—	—	—	—	6	—	—	—	6	—
23	—	—	—	—	—	—	1	—	—	—	1	—
21	—	—	—	—	—	—	1	—	—	—	1	—
20	—	—	—	—	—	—	1	—	—	—	1	—
19	1	—	—	—	—	1	—	—	—	—	—	—
17	2	—	—	1	—	1	2	—	—	1	1	—
16	10	—	—	1	—	9	1	—	—	1	—	—
15	12	—	—	2	—	10	2	—	—	2	—	—
14	62	—	—	7	—	55	63	—	—	11	52	—
13	18	—	—	—	—	18	1	—	—	—	1	—
12	583	91	—	334	142	16	607	91	—	326	80	110
Total trips:											80	110
											326	1,454

JAMES RIVER, VA

Upbound

Downbound

Grand Total	27,446	13,723	17	6,807	6,708	191	27,434	13,700	18	6,817	6,707	192
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FOREIGN

Total	153	148	5	—	—	—	128	122	6	—	—	—
29	1	1	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	1	—	1	—	—	—
26	2	2	—	—	—	—	1	1	—	—	—	—
25	4	1	3	—	—	—	11	9	2	—	—	—
24	5	4	1	—	—	—	9	8	1	—	—	—
23	9	8	1	—	—	—	2	1	1	—	—	—
22	33	33	—	—	—	—	39	39	—	—	—	—
21	31	31	—	—	—	—	18	18	—	—	—	—
20	24	24	—	—	—	—	15	15	—	—	—	—
19	6	6	—	—	—	—	15	15	—	—	—	—
18	4	4	—	—	—	—	3	3	—	—	—	—
17	9	9	—	—	—	—	6	5	1	—	—	—
16	5	5	—	—	—	—	2	2	—	—	—	—
15	6	6	—	—	—	—	2	2	—	—	—	—
14	4	4	—	—	—	—	2	2	—	—	—	—
13	7	7	—	—	—	—	1	1	—	—	—	—
12	3	3	—	—	—	—	1	1	—	—	—	—

DOMESTIC

Total	27,293	13,575	12	6,807	6,708	191	27,306	13,578	12	6,817	6,707	192
24	—	—	—	—	—	—	6	—	—	—	6	—
23	—	—	—	—	—	—	1	—	—	—	1	—
21	—	—	—	—	—	—	1	—	—	—	1	—
20	1	—	—	—	—	1	1	—	—	—	1	—
19	1	—	—	—	—	1	—	—	—	—	—	—
18	1	—	—	—	—	1	—	—	—	—	—	—
17	2	—	—	1	—	1	2	—	—	1	1	—
16	12	—	—	1	—	11	1	—	—	1	—	—
15	26	—	—	4	—	22	4	—	—	4	—	—
14	66	—	—	8	—	58	68	—	—	12	52	4
13	29	—	—	—	—	29	5	—	—	—	1	4
12	27,155	13,575	12	6,793	6,708	67	27,217	13,578	12	6,799	6,644	184
Total trips:											6,799	6,644
											12	54,880

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

HAMPTON CREEK, VA

				Upbound						Downbound			
Grand Total	1,572	371	1	609	571	20	1,564	371	1	601	571	20	

DOMESTIC

Total	1,572	371	1	609	571	20	1,564	371	1	601	571	20
10	1	—	—	1	—	—	1	—	—	1	—	—
9	—	—	—	—	—	—	1	—	1	—	—	—
8	194	—	—	174	—	20	174	—	—	174	—	—
7	434	—	—	434	—	—	444	—	—	426	—	18
6	943	371	1	—	571	—	944	371	—	—	571	2
										Total trips:		3,136

APPOMATTOX RIVER, VA

				Upbound						Downbound			
Grand Total	12,986	—	—	6,387	6,599	—	13,001	—	—	6,402	6,599	—	

DOMESTIC

Total	12,986	—	—	6,387	6,599	—	13,001	—	—	6,402	6,599	—
9	1,738	—	—	1,738	—	—	1,738	—	—	1,738	—	—
8	2,228	—	—	2,228	—	—	2,246	—	—	2,243	3	—
7	1,661	—	—	1,661	—	—	3,580	—	—	1,661	1,919	—
6	683	—	—	683	—	—	4,237	—	—	683	3,554	—
5	40	—	—	40	—	—	684	—	—	40	644	—
4	—	—	—	—	—	—	183	—	—	—	183	—
3	39	—	—	37	2	—	320	—	—	37	283	—
2	6,597	—	—	—	6,597	—	13	—	—	—	13	—
										Total trips:		25,987

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

				Upbound						Downbound			
Grand Total	2,531	—	—	1,209	1,210	112	2,534	2	—	1,210	1,210	112	

DOMESTIC

Total	2,531	—	—	1,209	1,210	112	2,534	2	—	1,210	1,210	112
14	—	—	—	—	—	—	1	—	—	1	—	—
13	—	—	—	—	—	—	1	—	—	—	1	—
12	7	—	—	1	—	6	9	—	—	2	—	7
11	11	—	—	1	7	3	—	—	—	—	—	—
10	35	—	—	24	1	10	42	—	—	20	1	21
9	44	—	—	24	18	2	82	1	—	24	14	43
8	518	—	—	506	10	2	527	—	—	508	6	13
7	622	—	—	566	56	—	733	1	—	570	150	12
6	1,294	—	—	87	1,118	89	1,139	—	—	85	1,038	16
										Total trips:		5,065

PAMUNKEY RIVER, VA

				Upbound						Downbound			
Grand Total	647	8	—	253	335	51	649	3	—	255	340	51	

FOREIGN

Total	8	8	—	—	—	—	3	3	—	—	—	—
17	1	1	—	—	—	—	3	3	—	—	—	—
16	2	2	—	—	—	—	—	—	—	—	—	—
15	1	1	—	—	—	—	—	—	—	—	—	—
14	2	2	—	—	—	—	—	—	—	—	—	—
13	1	1	—	—	—	—	—	—	—	—	—	—
11	1	1	—	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

PAMUNKEY RIVER, VA - continued

Upbound

Downbound

DOMESTIC

Total	639	---	---	253	335	51	646	---	---	255	340	51	
12	---	---	---	---	---	---	19	---	---	---	19	---	
11	---	---	---	---	---	---	11	---	---	---	11	---	
10	7	---	---	4	---	3	4	---	---	4	---	---	
9	20	---	---	19	---	1	21	---	---	20	1	---	
8	237	---	---	209	19	9	209	---	---	209	---	---	
7	92	---	---	4	56	32	4	---	---	4	---	---	
6	283	---	---	17	260	6	378	---	---	18	309	51	
Total trips:											309	51	1,296

YORK RIVER, VA

Upbound

Downbound

Grand Total	2,386	599	36	874	339	538	2,431	590	54	884	344	559
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FOREIGN

Total	42	15	27	---	---	---	51	6	45	---	---	---
37	3	---	3	---	---	---	---	---	---	---	---	---
36	13	1	12	---	---	---	1	---	1	---	---	---
35	8	---	8	---	---	---	---	---	---	---	---	---
34	2	---	2	---	---	---	1	---	1	---	---	---
33	---	---	---	---	---	---	1	---	1	---	---	---
32	---	---	---	---	---	---	1	---	1	---	---	---
31	---	---	---	---	---	---	3	1	2	---	---	---
29	---	---	---	---	---	---	11	---	11	---	---	---
28	---	---	---	---	---	---	8	---	8	---	---	---
27	1	---	1	---	---	---	9	---	9	---	---	---
26	---	---	---	---	---	---	2	---	2	---	---	---
25	---	---	---	---	---	---	6	1	5	---	---	---
24	1	---	1	---	---	---	1	---	1	---	---	---
23	---	---	---	---	---	---	2	---	2	---	---	---
22	---	---	---	---	---	---	1	---	1	---	---	---
19	1	1	---	---	---	---	---	---	---	---	---	---
18	13	13	---	---	---	---	4	4	---	---	---	---

DOMESTIC

Total	2,344	584	9	874	339	538	2,380	584	9	884	344	559	
36	1	---	---	---	---	1	---	---	---	---	---	---	
35	2	---	---	---	---	2	---	---	---	---	---	---	
32	---	---	---	---	---	---	1	---	1	---	---	---	
31	---	---	---	---	---	---	1	---	1	---	---	---	
27	1	---	---	---	---	1	151	151	---	---	---	---	
25	4	---	---	---	---	4	1	---	---	---	---	1	
24	3	---	2	---	---	1	35	---	---	---	---	35	
23	1	---	---	---	---	1	14	---	---	---	---	14	
22	1	---	---	---	---	1	9	---	---	---	---	9	
21	---	---	---	---	---	---	1	---	---	---	---	1	
20	5	---	---	---	---	5	14	---	---	---	---	14	
19	2	---	---	---	---	2	10	---	---	---	---	10	
18	2,324	584	7	874	339	520	2,143	433	7	884	344	475	
Total trips:											344	475	4,817

RAPPAHANNOCK RIVER, VA

Upbound

Downbound

Grand Total	2,619	2,145	---	244	230	---	2,617	2,144	---	246	227	---
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DOMESTIC

Total	2,619	2,145	---	244	230	---	2,617	2,144	---	246	227	---	
11	---	---	---	---	---	---	36	---	---	---	36	---	
10	---	---	---	---	---	---	31	---	---	---	31	---	
9	37	35	---	2	---	---	41	---	---	2	39	---	
8	153	31	---	122	---	---	291	66	---	135	90	---	
7	73	9	---	64	---	---	73	9	---	55	9	---	
6	2,356	2,070	---	56	230	---	2,145	2,069	---	54	22	---	
Total trips:											22	51	5,236

Trips and Drafts of Vessels, 1998
(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
ABERDEEN CREEK, VA (2 feet and less)												
				Upbound							Downbound	
Grand Total	215	215	---	---	---	---	215	215	---	---	---	---
										Total trips:		430
ATLANTIC INTRACOASTAL WATERWAY BETWEEN NORFOLK, VA, AND THE ST. JOHNS RIVER , FL (NORFOLK DISTRICT) DISMAL SWAMP AND PASQUOTANK RIVER (8 feet and less)												
				Upbound							Downbound	
Grand Total	83	---	---	30	53	---	83	---	---	30	53	---
										Total trips:		166
BEACH CREEK, VA (2 feet and less)												
				Upbound							Downbound	
Grand Total	116	116	---	---	---	---	116	116	---	---	---	---
										Total trips:		232
BROAD CREEK, VA (9 feet and less)												
				Upbound							Downbound	
Grand Total	255	255	---	---	---	---	254	254	---	---	---	---
										Total trips:		509
CAPE CHARLES CITY HARBOR, VA (12 feet and less)												
				Inbound							Outbound	
Grand Total	736	68	---	348	320	---	741	68	---	347	326	---
										Total trips:		1,477
CARTERS CREEK, VA (6 feet and less)												
				Upbound							Downbound	
Grand Total	424	424	---	---	---	---	424	424	---	---	---	---
										Total trips:		848
CHANNEL CONNECTING YORK RIVER, VA, WITH BACK CREEK TO SLAIGHTS WHARF, VA (2 feet and less)												
				Upbound							Downbound	
Grand Total	278	278	---	---	---	---	278	278	---	---	---	---
										Total trips:		556
CHANNEL FROM PHOEBUS, VA (TO DEEP WATER IN HAMPTON ROADS, VA) No Vessel Trips Reported												
CHESCONESSEX CREEK, VA (2 feet and less)												
				Upbound							Downbound	
Grand Total	68	68	---	---	---	---	68	68	---	---	---	---
										Total trips:		136
CHINCOTEAGUE BAY, MD AND VA (8 feet and less)												
				Upbound							Downbound	
Grand Total	272	272	---	---	---	---	270	270	---	---	---	---
										Total trips:		542

Trips and Drafts of Vessels, 1998
(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
CHINCOTEAGUE HARBOR OF REFUGE, VA (7 feet and less)												
				Inbound							Outbound	
Grand Total	1	—	—	1	—	—	1	—	—	1	—	—
										Total trips:	—	2
CRANES CREEK, VA No Vessel Trips Reported												
DAVIS CREEK, VA (2 feet and less)												
				Upbound							Downbound	
Grand Total	168	168	—	—	—	—	168	168	—	—	—	—
										Total trips:	—	336
DEEP CREEK, ACCOMACK COUNTY, VA (2 feet and less)												
				Inbound							Outbound	
Grand Total	31	31	—	—	—	—	31	31	—	—	—	—
										Total trips:	—	62
DEEP CREEK, NEWPORT NEWS, VA (2 feet and less)												
				Upbound							Downbound	
Grand Total	151	151	—	—	—	—	151	151	—	—	—	—
										Total trips:	—	302
DELAWARE BAY - CHESAPEAKE BAY WATERWAY - VIRGINIA PORTION (8 feet and less)												
				Upbound							Downbound	
Grand Total	692	691	—	1	—	—	695	692	—	3	—	—
										Total trips:	—	1,387
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	39	39	—	—	—	—	39	39	—	—	—	—
										Total trips:	—	78
HOSKINS CREEK, VA (11 feet and less)												
				Upbound							Downbound	
Grand Total	249	40	—	108	101	—	245	40	—	106	99	—
										Total trips:	—	494
JACKSON CREEK, VA No Vessel Trips Reported												
KINGS CREEK, NORTHAMPTON COUNTY, VA No Vessel Trips Reported												
LAFAYETTE RIVER, VA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
LITTLE MACHIPONGO RIVER, VA (7 feet and less)												
				Upbound						Downbound		
Grand Total	---	---	---	---	---	---	1	---	---	1	---	---
										Total trips:	---	1
LITTLE RIVER (CREEK), VA (19 feet and less)												
				Upbound						Downbound		
Grand Total	559	7	3	301	223	25	559	10	3	298	222	26
										Total trips:	---	1,118
LOCKLIES CREEK, VA No Vessel Trips Reported												
LYNHAVEN ROADS, INLET, AND CONNECTING WATERS, VA (7 feet and less)												
				Upbound						Downbound		
Grand Total	25	22	3	---	---	---	25	22	3	---	---	---
										Total trips:	---	50
MATTAPONI RIVER, VA (9 feet and less)												
				Upbound						Downbound		
Grand Total	4	---	---	4	---	---	4	---	---	4	---	---
										Total trips:	---	8
MEHERRIN RIVER, NC No Vessel Trips Reported												
MILFORD HAVEN, VA (8 feet and less)												
				Upbound						Downbound		
Grand Total	583	583	---	---	---	---	583	583	---	---	---	---
										Total trips:	---	1,166
MILL CREEK, VA (2 feet and less)												
				Upbound						Downbound		
Grand Total	100	100	---	---	---	---	100	100	---	---	---	---
										Total trips:	---	200
MULBERRY CREEK, VA (2 feet and less)												
				Upbound						Downbound		
Grand Total	68	68	---	---	---	---	---	---	---	---	---	---
										Total trips:	---	68
NANDUA CREEK, VA (7 feet and less)												
				Upbound						Downbound		
Grand Total	2	---	---	2	---	---	2	---	---	2	---	---
										Total trips:	---	4
NANSEMOND RIVER, VA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
NEWPORT NEWS CREEK, VA (9 feet and less)												
				Upbound						Downbound		
Grand Total	39	11	---	28	---	---	48	11	---	35	2	---
										Total trips:		87
OCCOHANNOCK CREEK, VA (2 feet and less)												
				Upbound						Downbound		
Grand Total	359	359	---	---	---	---	359	359	---	---	---	---
										Total trips:		718
ONANCOCK RIVER, VA (10 feet and less)												
				Upbound						Downbound		
Grand Total	328	239	---	48	32	9	328	239	---	46	35	8
										Total trips:		656
OYSTER CHANNEL, VA (7 feet and less)												
				Upbound						Downbound		
Grand Total	3	---	---	3	---	---	3	---	---	3	---	---
										Total trips:		6
PAGAN RIVER, VA No Vessel Trips Reported												
PARKER CREEK, VA No Vessel Trips Reported												
PARROTTS CREEK, VA (2 feet and less)												
				Upbound						Downbound		
Grand Total	124	124	---	---	---	---	124	124	---	---	---	---
										Total trips:		248
QUEENS CREEK, VA No Vessel Trips Reported												
QUINBY CREEK, VA No Vessel Trips Reported												
STARLINGS CREEK, VA (2 feet and less)												
				Upbound						Downbound		
Grand Total	255	255	---	---	---	---	255	255	---	---	---	---
										Total trips:		510
TANGIER CHANNEL, VA (9 feet and less)												
				Upbound						Downbound		
Grand Total	1,071	1,059	12	---	---	---	1,072	1,060	12	---	---	---
										Total trips:		2,143
TOTUSKEY CREEK, VA No Vessel Trips Reported												
TYLERS BEACH, VA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
URBANNA CREEK, VA (9 feet and less)												
				Upbound							Downbound	
Grand Total	12	—	—	7	5	—	16	—	—	8	8	—
										Total trips:		28
WILLOUGHBY CHANNEL, VA No Vessel Trips Reported												
WINTER HARBOR, VA (2 feet and less)												
				Inbound							Outbound	
Grand Total	19	19	—	—	—	—	19	19	—	—	—	—
										Total trips:		38
WISHART POINT CHANNEL, VA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(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	1,833	---	---	800	224	809	1,832	---	---	800	224	808

DOMESTIC

Total	1,833	---	---	800	224	809	1,832	---	---	800	224	808
12	2	---	---	---	---	2	6	---	---	---	---	6
11	---	---	---	---	---	---	5	---	---	---	---	5
10	74	---	---	---	---	74	219	---	---	---	213	6
9	282	---	---	8	---	274	141	---	---	8	4	129
8	557	---	---	549	---	8	549	---	---	549	---	---
7	164	---	---	159	3	2	165	---	---	160	5	---
6	754	---	---	84	221	449	747	---	---	83	2	662
										Total trips:		3,665

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

	Upbound						Downbound					
Grand Total	21,488	19,061	---	1,175	342	910	21,485	19,062	---	1,170	341	912

DOMESTIC

Total	21,488	19,061	---	1,175	342	910	21,485	19,062	---	1,170	341	912
14	---	---	---	---	---	---	1	---	---	1	---	---
13	---	---	---	---	---	---	1	---	---	---	1	---
12	9	---	---	1	---	8	14	---	---	5	---	9
11	11	---	---	1	7	3	2	---	---	---	---	2
10	100	---	---	11	1	88	240	---	---	8	214	18
9	13,146	12,807	---	31	18	290	12,982	12,807	---	31	14	130
8	689	---	---	638	11	40	649	---	---	638	6	5
7	327	---	---	267	57	3	285	1	---	267	4	13
6	7,206	6,254	---	226	248	478	7,311	6,254	---	220	102	735
										Total trips:		42,973

MOREHEAD CITY HARBOR, NC

	Inbound						Outbound					
Grand Total	2,088	103	69	899	222	795	2,099	102	71	910	222	794

FOREIGN

Total	173	103	63	4	1	2	171	95	64	6	2	4
34	1	1	---	---	---	---	12	7	3	1	---	1
33	3	---	3	---	---	---	3	1	2	---	---	---
32	9	4	5	---	---	---	8	4	2	1	---	1
31	41	28	13	---	---	---	63	47	14	1	---	1
30	3	2	1	---	---	---	5	2	3	---	---	---
29	7	3	2	1	---	1	---	---	---	---	---	---
28	11	8	3	---	---	---	6	1	5	---	---	---
27	8	6	2	---	---	---	4	2	2	---	---	---
26	9	6	3	---	---	---	3	2	1	---	---	---
25	19	3	15	---	---	1	4	2	2	---	---	---
24	11	4	7	---	---	---	5	2	3	---	---	---
23	14	13	1	---	---	---	2	2	---	---	---	---
22	5	3	2	---	---	---	3	2	1	---	---	---
21	4	3	---	1	---	---	8	5	3	---	---	---
20	5	4	1	---	---	---	2	1	1	---	---	---
19	5	4	1	---	---	---	---	---	---	---	---	---
18	18	11	4	2	1	---	43	15	22	3	2	1

DOMESTIC

Total	1,915	---	6	895	221	793	1,928	7	7	904	220	790
34	1	---	1	---	---	---	7	7	---	---	---	---
33	2	---	2	---	---	---	---	---	---	---	---	---
31	1	---	---	---	---	1	---	---	---	---	---	---
29	2	---	1	---	---	1	1	---	1	---	---	---
28	1	---	1	---	---	---	1	---	1	---	---	---
26	1	---	1	---	---	---	1	---	1	---	---	---
24	1	---	---	---	---	1	---	---	---	---	---	---
22	1	---	---	---	---	1	---	---	---	---	---	---
20	1	---	---	1	---	---	2	---	---	1	1	---
18	1,904	---	---	894	221	789	1,916	---	4	903	219	790
										Total trips:		4,187

Trips and Drafts of Vessels, 1998
(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 WILMINGTON, NC

	Inbound						Outbound					
Grand Total	12,907	9,791	243	1,305	1,042	526	12,909	9,792	238	1,309	1,037	533

FOREIGN

Total	617	454	148	7	8	—	617	456	150	8	2	1
38	7	7	—	—	—	—	7	7	—	—	—	—
37	21	18	3	—	—	—	24	24	—	—	—	—
36	17	14	3	—	—	—	32	32	—	—	—	—
35	52	47	5	—	—	—	40	40	—	—	—	—
34	37	32	4	—	1	—	39	38	1	—	—	—
33	32	24	8	—	—	—	21	21	—	—	—	—
32	34	23	11	—	—	—	25	22	3	—	—	—
31	39	23	16	—	—	—	20	18	2	—	—	—
30	39	29	10	—	—	—	22	13	9	—	—	—
29	42	26	14	2	—	—	31	22	9	—	—	—
28	42	28	14	—	—	—	40	28	12	—	—	—
27	43	26	17	—	—	—	36	24	12	—	—	—
26	38	17	21	—	—	—	54	28	26	—	—	—
25	26	20	6	—	—	—	35	24	11	—	—	—
24	26	17	7	1	1	—	33	19	14	—	—	—
23	17	15	2	—	—	—	27	19	8	—	—	—
22	18	17	1	—	—	—	17	10	7	—	—	—
21	12	9	3	—	—	—	13	9	4	—	—	—
20	10	10	—	—	—	—	14	10	4	—	—	—
19	7	5	2	—	—	—	16	6	10	—	—	—
18	58	47	1	4	6	—	71	42	18	8	2	1

DOMESTIC

Total	12,290	9,337	95	1,298	1,034	526	12,292	9,336	88	1,301	1,035	532
38	2	—	2	—	—	—	1	—	1	—	—	—
37	—	—	—	—	—	—	1	—	1	—	—	—
36	4	—	4	—	—	—	4	—	4	—	—	—
35	6	—	6	—	—	—	1	—	1	—	—	—
34	16	—	16	—	—	—	2	—	2	—	—	—
33	10	—	10	—	—	—	1	—	1	—	—	—
32	19	—	17	1	—	1	9	—	8	1	—	—
31	7	—	7	—	—	—	4	—	4	—	—	—
30	4	—	3	—	—	1	10	—	10	—	—	—
29	8	—	6	—	—	2	5	—	5	—	—	—
28	11	—	11	—	—	—	9	—	9	—	—	—
27	6	—	5	—	—	1	7	—	7	—	—	—
26	4	—	3	—	—	1	12	—	10	—	—	2
25	8	—	4	—	—	4	8	—	8	—	—	—
24	5	—	—	—	—	5	3	—	2	—	—	1
23	5	—	1	—	—	4	4	—	4	—	—	—
22	6	—	—	—	—	6	2	—	1	—	—	1
21	2	—	—	—	—	2	6	—	6	—	—	—
20	16	—	—	7	—	9	12	—	—	10	—	2
19	1	—	—	—	—	1	2	—	—	—	—	2
18	12,150	9,337	—	1,290	1,034	489	12,189	9,336	4	1,290	1,035	524
										Total trips:		25,816

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

	Upbound						Downbound					
Grand Total	21,003	17,585	261	1,492	1,096	569	20,963	17,589	248	1,470	1,086	570

FOREIGN

Total	640	463	162	7	8	—	642	466	164	8	2	2
38	7	7	—	—	—	—	7	7	—	—	—	—
37	21	18	3	—	—	—	24	24	—	—	—	—
36	17	14	3	—	—	—	32	32	—	—	—	—

Trips and Drafts of Vessels, 1998
(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	52	47	5	—	—	—	40	40	—	—	—	—
34	37	32	4	—	—	1	39	38	1	—	—	—
33	32	24	8	—	—	—	21	21	—	—	—	—
32	34	23	11	—	—	—	25	22	3	—	—	—
31	39	23	16	—	—	—	20	18	2	—	—	—
30	39	29	10	—	—	—	22	13	9	—	—	—
29	43	26	15	2	—	—	31	22	9	—	—	—
28	49	32	17	—	—	—	43	29	14	—	—	—
27	44	26	18	—	—	—	38	24	14	—	—	—
26	46	18	28	—	—	—	55	28	27	—	—	—
25	29	22	7	—	—	—	37	26	11	—	—	—
24	26	17	7	1	—	1	39	21	18	—	—	—
23	17	15	2	—	—	—	29	19	10	—	—	—
22	18	17	1	—	—	—	18	10	8	—	—	—
21	12	9	3	—	—	—	13	9	4	—	—	—
20	10	10	—	—	—	—	14	10	4	—	—	—
19	7	5	2	—	—	—	17	7	10	—	—	—
18	61	49	2	4	—	6	78	46	20	8	2	2

DOMESTIC

Total	20,363	17,122	99	1,485	1,088	569	20,321	17,123	84	1,462	1,084	568
38	2	—	2	—	—	—	1	—	1	—	—	—
37	—	—	—	—	—	—	1	—	1	—	—	—
36	4	—	4	—	—	—	4	—	4	—	—	—
35	6	—	6	—	—	—	1	—	1	—	—	—
34	16	—	16	—	—	—	2	—	2	—	—	—
33	10	—	10	—	—	—	1	—	1	—	—	—
32	19	—	17	1	—	1	9	—	8	1	—	—
31	7	—	7	—	—	—	4	—	4	—	—	—
30	3	—	2	—	—	1	11	—	11	—	—	—
29	9	—	7	—	—	2	4	—	4	—	—	—
28	13	—	12	—	—	1	8	—	8	—	—	—
27	6	—	5	—	—	1	7	—	7	—	—	—
26	6	—	5	—	—	1	10	—	8	—	—	2
25	10	—	5	—	—	5	7	—	7	—	—	—
24	6	—	—	—	—	6	3	—	2	—	—	1
23	7	—	1	—	—	6	4	—	4	—	—	—
22	10	—	—	—	—	10	3	—	1	—	—	2
21	2	—	—	—	—	2	6	—	6	—	—	—
20	18	—	—	7	—	11	16	—	—	13	—	3
19	7	—	—	—	—	7	3	—	—	—	—	3
18	20,202	17,122	—	1,477	1,088	515	20,216	17,123	4	1,448	1,084	557
										Total trips:		41,966

CAPE FEAR RIVER ABOVE WILMINGTON, NC

Upbound

Downbound

Grand Total	434	—	—	212	—	222	438	—	—	217	—	221
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DOMESTIC

Total	434	—	—	212	—	222	438	—	—	217	—	221
12	434	—	—	212	—	222	438	—	—	217	—	221
										Total trips:		872

NORTHEAST (CAPE FEAR) RIVER, NC

Upbound

Downbound

Grand Total	608	9	9	310	—	280	610	10	9	310	—	281
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FOREIGN

Total	18	9	9	—	—	—	20	10	9	—	—	1
28	7	4	3	—	—	—	2	1	1	—	—	—
27	1	—	1	—	—	—	2	—	2	—	—	—
26	4	1	3	—	—	—	—	—	—	—	—	—
25	3	2	1	—	—	—	2	2	—	—	—	—
24	—	—	—	—	—	—	4	2	2	—	—	—
23	—	—	—	—	—	—	2	—	2	—	—	—

Trips and Drafts of Vessels, 1998
(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

19	---	---	---	---	---	---	1	1	---	---	---	---
18	---	---	---	---	---	---	2	1	1	---	---	---
16	1	---	1	---	---	---	1	---	1	---	---	---
15	1	1	---	---	---	---	---	---	---	---	---	---
14	1	1	---	---	---	---	---	---	---	---	---	---
11	---	---	---	---	---	---	1	1	---	---	---	---
8	---	---	---	---	---	---	1	1	---	---	---	---
4	---	---	---	---	---	---	2	1	---	---	---	1

DOMESTIC

Total	590	---	---	310	---	280	590	---	---	310	---	280
28	1	---	---	---	---	1	1	---	---	---	---	1
25	1	---	---	---	---	1	---	---	---	---	---	---
24	1	---	---	---	---	1	---	---	---	---	---	---
23	2	---	---	---	---	2	---	---	---	---	---	---
22	5	---	---	---	---	5	---	---	---	---	---	---
20	5	---	---	3	---	2	5	---	---	3	---	2
19	6	---	---	---	---	6	2	---	---	---	---	2
18	4	---	---	2	---	2	1	---	---	1	---	---
17	1	---	---	---	---	1	---	---	---	---	---	---
16	12	---	---	5	---	7	4	---	---	4	---	---
15	11	---	---	11	---	---	13	---	---	13	---	---
14	8	---	---	4	---	4	3	---	---	2	---	1
13	7	---	---	6	---	1	4	---	---	4	---	---
12	14	---	---	13	---	1	12	---	---	10	---	2
11	13	---	---	12	---	1	12	---	---	12	---	---
10	117	---	---	1	---	116	17	---	---	1	---	16
9	65	---	---	4	---	61	3	---	---	3	---	---
8	61	---	---	43	---	18	52	---	---	51	---	1
7	205	---	---	201	---	4	206	---	---	201	---	5
6	16	---	---	2	---	14	4	---	---	2	---	2
5	10	---	---	---	---	10	2	---	---	---	---	2
4	6	---	---	---	---	6	5	---	---	---	---	5
3	19	---	---	3	---	16	244	---	---	3	---	241
Total trips:											1,218	

ATLANTIC BEACH CHANNELS, NC
(9 feet and less)

Inbound

Outbound

Grand Total	8,991	8,991	---	---	---	---	8,991	8,991	---	---	---	17,982
Total trips:											17,982	

AVON HARBOR, NC
No Vessel Trips Reported

BAY RIVER, NC
(7 feet and less)

Upbound

Downbound

Grand Total	8	---	---	8	---	---	9	---	---	9	---	17
Total trips:											17	

BEAUFORT HARBOR, NC
(14 feet and less)

Inbound

Outbound

Grand Total	110	106	---	3	---	1	92	88	---	3	---	1
Total trips:											202	

Trips and Drafts of Vessels, 1998
(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
BELHAVEN HARBOR, NC (11 feet and less)												
				Inbound						Outbound		
Grand Total	4	---	---	2	2	---	4	---	---	2	2	---
										Total trips:		8
CASHIE RIVER, NC (7 feet and less)												
				Upbound						Downbound		
Grand Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:		2
CHANNEL CONNECTING THOROUGHFARE BAY WITH CEDAR BAY, NC (7 feet and less)												
				Upbound						Downbound		
Grand Total	3,549	3,549	---	---	---	---	3,549	3,549	---	---	---	---
										Total trips:		7,098
CHANNEL FROM BACK SOUND TO LOOKOUT BIGHT, NC (7 feet and less)												
				Upbound						Downbound		
Grand Total	59	57	---	2	---	---	60	57	---	3	---	---
										Total trips:		119
CHANNEL FROM PAMLICO SOUND TO RODANTHE, NC No Vessel Trips Reported												
CHANNEL TO BOGUE INLET, NC (9 feet and less)												
				Upbound						Downbound		
Grand Total	9,433	9,433	---	---	---	---	9,433	9,433	---	---	---	---
										Total trips:		18,866
CHOWAN RIVER, NC (8 feet and less)												
				Upbound						Downbound		
Grand Total	242	---	---	66	176	---	248	---	---	66	182	---
										Total trips:		490
DRUM INLET, NC No Vessel Trips Reported												
EDENTON HARBOR, NC (8 feet and less)												
				Inbound						Outbound		
Grand Total	135	---	---	42	93	---	137	---	---	42	95	---
										Total trips:		272
FAR CREEK, NC No Vessel Trips Reported												
KNOBBS CREEK, NC (8 feet and less)												
				Upbound						Downbound		
Grand Total	79	---	---	28	51	---	79	---	---	28	51	---
										Total trips:		158

Trips and Drafts of Vessels, 1998
(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
LOCKWOODS FOLLY RIVER, NC (7 feet and less)												
				Upbound						Downbound		
Grand Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:	---	2
MACKAY CREEK, NC No Vessel Trips Reported												
MANN'S HARBOR, NC (7 feet and less)												
				Inbound						Outbound		
Grand Total	2	1	---	1	---	---	3	2	---	1	---	---
										Total trips:	---	5
MANTEO (SHALLOWBAG) BAY, NC (7 feet and less)												
				Upbound						Downbound		
Grand Total	2	---	---	2	---	---	5	---	---	5	---	---
										Total trips:	---	7
NEUSE RIVER, NC (12 feet and less)												
				Upbound						Downbound		
Grand Total	13,518	13,349	---	89	16	64	13,507	13,343	---	86	14	64
										Total trips:	---	27,025
NEW RIVER, NC No Vessel Trips Reported												
OCRACOCKE INLET, NC (6 feet and less)												
				Upbound						Downbound		
Grand Total	130	130	---	---	---	---	130	130	---	---	---	---
										Total trips:	---	260
PERQUIMANS RIVER, NC No Vessel Trips Reported												
ROANOKE RIVER, NC (12 feet and less)												
				Upbound						Downbound		
Grand Total	193	---	---	62	99	32	185	---	---	62	91	32
										Total trips:	---	378
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	6	---	---	6	---	---	6	---	---	6	---	---
										Total trips:	---	12

Trips and Drafts of Vessels, 1998
(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
SILVER LAKE HARBOR, NC (7 feet and less)												
				Inbound							Outbound	
Grand Total	4,262	4,262	---	---	---	---	4,268	4,268	---	---	---	---
										Total trips:	---	8,530
SMITHS CREEK (PAMLICO COUNTY), NC No Vessel Trips Reported												
SMITHS CREEK (WILMINGTON), NC No Vessel Trips Reported												
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	73	---	---	40	16	17	69	---	---	38	14	17
										Total trips:	---	142
WANCHESE HARBOR, NC (7 feet and less)												
				Inbound							Outbound	
Grand Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:	---	2
WATERWAY - NORFOLK, VA TO SOUNDS OF NC (7 feet and less)												
				Upbound							Downbound	
Grand Total	61	57	---	4	---	---	58	54	---	4	---	---
										Total trips:	---	119
WATERWAY CONNECTING PAMLICO SOUND AND BEAUFORT HARBOR, NC (7 feet and less)												
				Upbound							Downbound	
Grand Total	3,494	3,492	---	2	---	---	3,495	3,492	---	3	---	---
										Total trips:	---	6,989
WATERWAY CONNECTING SWAN QUARTER BAY WITH DEEP BAY, NC (7 feet and less)												
				Upbound							Downbound	
Grand Total	714	714	---	---	---	---	715	715	---	---	---	---
										Total trips:	---	1,429
WRIGHTS CREEK, NC No Vessel Trips Reported												

Trips and Drafts of Vessels, 1998
(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	1,547	786	---	589	78	94	1,557	788	---	586	78	105
DOMESTIC												
Total	1,547	786	---	589	78	94	1,557	788	---	586	78	105
12	16	---	---	13	---	3	19	---	---	15	---	4
11	21	---	---	16	2	3	19	---	---	17	---	2
10	17	---	---	11	1	5	14	---	---	9	1	4
9	58	5	---	2	14	37	26	6	---	4	14	2
8	157	---	---	133	11	13	144	---	---	143	---	1
7	354	---	---	341	4	9	331	1	---	322	---	8
6	924	781	---	73	46	24	1,004	781	---	76	63	84
										Total trips:		3,104

GEORGETOWN HARBOR, SC (WINYAH BAY)

	Inbound						Outbound					
Grand Total	290	101	1	166	9	13	295	101	1	170	9	14
FOREIGN												
Total	104	101	1	1	1	---	104	101	1	1	1	---
28	8	8	---	---	---	---	---	---	---	---	---	---
27	31	31	---	---	---	---	4	4	---	---	---	---
26	21	20	1	---	---	---	3	3	---	---	---	---
25	9	9	---	---	---	---	---	---	---	---	---	---
24	2	2	---	---	---	---	1	1	---	---	---	---
23	4	4	---	---	---	---	28	27	1	---	---	---
22	13	13	---	---	---	---	29	29	---	---	---	---
21	6	6	---	---	---	---	12	12	---	---	---	---
20	2	2	---	---	---	---	5	5	---	---	---	---
19	2	2	---	---	---	---	6	6	---	---	---	---
18	---	---	---	---	---	---	3	3	---	---	---	---
17	2	1	---	1	---	---	5	5	---	---	---	---
16	1	1	---	---	---	---	1	1	---	---	---	---
15	1	1	---	---	---	---	2	1	---	1	---	---
14	---	---	---	---	---	---	2	2	---	---	---	---
13	---	---	---	---	---	---	1	1	---	---	---	---
12	2	1	---	---	1	---	2	1	---	---	1	---
DOMESTIC												
Total	186	---	---	165	8	13	191	---	---	169	8	14
20	---	---	---	---	---	---	2	---	---	---	2	---
17	1	---	---	1	---	---	---	---	---	---	---	---
15	---	---	---	---	---	---	3	---	---	3	---	---
14	---	---	---	---	---	---	1	---	---	---	1	---
12	185	---	---	164	8	13	185	---	---	166	5	14
										Total trips:		585

CHARLESTON HARBOR, SC

	Inbound						Outbound					
Grand Total	7,022	5,881	199	570	112	260	6,971	5,886	188	557	86	254
FOREIGN												
Total	2,165	2,061	76	5	23	---	2,155	2,065	76	9	4	1
42	4	4	---	---	---	---	---	---	---	---	---	---
41	2	2	---	---	---	---	10	10	---	---	---	---
40	8	8	---	---	---	---	8	8	---	---	---	---
39	22	8	14	---	---	---	8	8	---	---	---	---
38	68	61	7	---	---	---	67	67	---	---	---	---
37	23	14	9	---	---	---	30	29	1	---	---	---
36	17	14	3	---	---	---	26	26	---	---	---	---
35	30	28	2	---	---	---	40	38	2	---	---	---
34	42	39	3	---	---	---	44	41	3	---	---	---
33	71	67	4	---	---	---	94	92	2	---	---	---
32	81	78	3	---	---	---	61	56	5	---	---	---
31	71	68	2	---	1	---	84	71	13	---	---	---
30	118	114	4	---	---	---	108	97	11	---	---	---

Trips and Drafts of Vessels, 1998
(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

29	72	69	3	—	—	—	46	46	—	—	—	—
28	166	162	4	—	—	—	181	176	5	—	—	—
27	99	97	2	—	—	—	58	50	5	1	1	1
26	63	59	4	—	—	—	49	45	4	—	—	—
25	373	369	4	—	—	—	319	313	6	—	—	—
24	69	68	1	—	—	—	86	82	4	—	—	—
23	40	37	3	—	—	—	32	28	4	—	—	—
22	33	33	—	—	—	—	28	25	3	—	—	—
21	27	26	—	1	—	—	28	25	1	1	1	—
20	559	537	2	—	20	—	636	633	3	—	—	—
19	15	14	1	—	—	—	22	22	—	—	—	—
18	92	85	1	4	2	—	90	77	4	7	2	—

DOMESTIC

Total	4,857	3,820	123	565	89	260	4,816	3,821	112	548	82	253
39	20	—	20	—	—	—	4	—	4	—	—	—
38	24	—	24	—	—	—	1	—	1	—	—	—
37	15	—	15	—	—	—	1	—	1	—	—	—
36	10	—	10	—	—	—	1	—	1	—	—	—
35	10	—	10	—	—	—	6	—	5	—	—	1
34	5	—	5	—	—	—	11	1	10	—	—	—
33	4	2	2	—	—	—	10	3	7	—	—	—
32	18	4	7	1	—	6	13	1	11	1	—	—
31	15	4	1	—	—	10	11	6	5	—	—	—
30	39	33	2	—	—	4	44	32	12	—	—	—
29	4	2	1	—	—	1	12	3	9	—	—	—
28	5	1	3	—	—	1	7	—	7	—	—	—
27	17	7	5	—	—	5	10	7	3	—	—	—
26	9	1	8	—	—	—	11	3	8	—	—	—
25	5	—	2	—	—	3	5	—	3	—	—	2
24	1	—	—	—	—	1	4	—	4	—	—	—
23	7	—	2	—	—	5	4	1	3	—	—	—
22	5	—	1	—	—	4	2	—	2	—	—	—
21	3	1	—	—	—	2	10	—	9	1	—	—
20	61	—	—	38	16	7	39	—	1	35	1	2
19	5	—	—	—	3	2	1	—	—	—	—	1
18	4,575	3,765	5	526	70	209	4,609	3,764	6	511	81	247
										Total trips:		13,993

SHIPYARD RIVER, SC

Upbound

Downbound

Grand Total	222	20	27	151	7	17	227	22	27	155	6	17
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FOREIGN

Total	28	20	6	1	1	—	30	22	6	1	1	—
41	2	2	—	—	—	—	—	—	—	—	—	—
40	1	1	—	—	—	—	—	—	—	—	—	—
39	1	1	—	—	—	—	—	—	—	—	—	—
38	2	1	1	—	—	—	2	2	—	—	—	—
37	5	2	3	—	—	—	1	1	—	—	—	—
36	1	1	—	—	—	—	—	—	—	—	—	—
35	1	1	—	—	—	—	—	—	—	—	—	—
34	4	4	—	—	—	—	2	—	2	—	—	—
33	1	1	—	—	—	—	—	—	—	—	—	—
32	3	3	—	—	—	—	—	—	—	—	—	—
31	2	1	—	—	1	—	3	1	2	—	—	—
30	—	—	—	—	—	—	3	3	—	—	—	—
28	—	—	—	—	—	—	1	1	—	—	—	—
27	—	—	—	—	—	—	3	2	—	—	1	—
26	1	1	—	—	—	—	—	—	—	—	—	—
25	—	—	—	—	—	—	9	9	—	—	—	—
24	1	1	—	—	—	—	1	1	—	—	—	—
23	2	—	2	—	—	—	—	—	—	—	—	—
22	—	—	—	—	—	—	1	—	1	—	—	—
20	—	—	—	—	—	—	3	2	1	—	—	—
18	1	—	—	1	—	—	1	—	1	—	—	—

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SHIPYARD RIVER, SC - continued

	Upbound						Downbound					
DOMESTIC												
Total	194	---	21	150	6	17	197	---	21	154	5	17
35	1	---	1	---	---	---	1	---	---	---	---	1
34	1	---	1	---	---	---	---	---	---	---	---	---
32	1	---	---	1	---	---	1	---	---	1	---	---
31	1	---	1	---	---	---	---	---	---	---	---	---
30	3	---	3	---	---	---	3	---	3	---	---	---
29	1	---	1	---	---	---	4	---	4	---	---	---
28	3	---	3	---	---	---	1	---	1	---	---	---
27	5	---	5	---	---	---	1	---	1	---	---	---
26	4	---	4	---	---	---	3	---	3	---	---	---
25	1	---	1	---	---	---	1	---	1	---	---	---
24	1	---	---	---	---	1	3	---	3	---	---	---
23	2	---	1	---	---	1	2	---	2	---	---	---
22	1	---	---	---	---	---	---	---	---	---	---	---
21	---	---	---	---	---	---	3	---	3	---	---	---
19	1	---	---	---	---	1	---	---	---	---	---	---
18	168	---	---	149	6	13	174	---	---	153	5	16
										Total trips:		449

PORT ROYAL HARBOR, SC

	Inbound						Outbound					
Grand Total	41	19	---	12	2	8	39	20	---	10	1	8
FOREIGN												
Total	16	16	---	---	---	---	17	17	---	---	---	---
28	1	1	---	---	---	---	---	---	---	---	---	---
27	2	2	---	---	---	---	1	1	---	---	---	---
26	1	1	---	---	---	---	---	---	---	---	---	---
24	3	3	---	---	---	---	1	1	---	---	---	---
23	2	2	---	---	---	---	2	2	---	---	---	---
22	1	1	---	---	---	---	1	1	---	---	---	---
21	4	4	---	---	---	---	3	3	---	---	---	---
20	---	---	---	---	---	---	6	6	---	---	---	---
18	1	1	---	---	---	---	1	1	---	---	---	---
16	---	---	---	---	---	---	1	1	---	---	---	---
14	1	1	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	25	3	---	12	2	8	22	3	---	10	1	8
15	2	---	---	2	---	---	---	---	---	---	---	---
11	1	---	---	---	1	---	---	---	---	---	---	---
9	2	---	---	---	---	2	---	---	---	---	---	---
8	3	---	---	3	---	---	4	---	---	3	---	1
7	6	---	---	3	---	3	---	---	---	3	---	---
6	9	3	---	4	---	2	7	3	---	4	---	---
4	1	---	---	---	---	1	---	---	---	---	---	---
2	1	---	---	---	1	---	8	---	---	---	1	7
										Total trips:		80

ASHLEY RIVER, SC
(12 feet and less)

	Upbound						Downbound					
Grand Total	1,292	1,000	---	223	52	17	1,611	1,038	---	409	55	109
										Total trips:		2,903

GREAT PEE DEE RIVER, SC
(6 feet and less)

	Upbound						Downbound					
Grand Total	6	---	---	6	---	---	6	---	---	6	---	---
										Total trips:		12

Trips and Drafts of Vessels, 1998
(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

SANTEE RIVER, SC
No Vessel Trips Reported

VILLAGE CREEK, SC
No Vessel Trips Reported

WACCAMAW RIVER, NC AND SC
(6 feet and less)

	Inbound						Outbound					
Grand Total	3	---	---	3	---	---	3	---	---	3	---	---
	Total trips:										6	

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker

SAVANNAH HARBOR, GA

	Inbound						Outbound					
Grand Total	5,915	3,139	243	1,957	138	438	5,902	3,133	245	1,960	134	430

FOREIGN

Total	2,050	1,854	191	2	3	—	2,050	1,849	195	3	3	—
40	—	—	—	—	—	—	3	3	—	—	—	—
39	1	1	—	—	—	—	5	5	—	—	—	—
38	26	23	3	—	—	—	32	30	2	—	—	—
37	49	34	15	—	—	—	27	27	—	—	—	—
36	67	61	6	—	—	—	102	102	—	—	—	—
35	80	69	11	—	—	—	98	96	2	—	—	—
34	106	103	3	—	—	—	137	128	9	—	—	—
33	121	113	8	—	—	—	115	111	4	—	—	—
32	177	163	14	—	—	—	170	163	7	—	—	—
31	82	77	5	—	—	—	60	56	4	—	—	—
30	109	101	8	—	—	—	143	125	18	—	—	—
29	92	84	8	—	—	—	103	87	16	—	—	—
28	179	166	13	—	—	—	185	162	23	—	—	—
27	119	100	19	—	—	—	101	90	11	—	—	—
26	153	137	15	—	1	—	124	112	11	1	—	—
25	101	86	15	—	—	—	93	82	10	—	1	—
24	106	96	10	—	—	—	91	79	12	—	—	—
23	83	73	10	—	—	—	92	73	19	—	—	—
22	92	80	11	—	1	—	70	60	10	—	—	—
21	64	55	8	—	1	—	63	56	7	—	—	—
20	58	56	2	—	—	—	55	46	9	—	—	—
19	32	28	4	—	—	—	21	19	2	—	—	—
18	153	148	3	2	—	—	160	137	19	2	2	—

DOMESTIC

Total	3,865	1,285	52	1,955	135	438	3,852	1,284	50	1,957	131	430
39	1	—	1	—	—	—	—	—	—	—	—	—
38	2	—	2	—	—	—	—	—	—	—	—	—
37	2	—	2	—	—	—	—	—	—	—	—	—
36	3	—	3	—	—	—	2	—	2	—	—	—
35	4	—	4	—	—	—	3	—	2	—	—	1
34	3	—	3	—	—	—	2	—	2	—	—	—
33	4	—	1	—	—	3	3	—	3	—	—	—
32	17	—	3	2	—	12	6	—	3	2	—	1
31	7	—	4	—	—	3	1	—	1	—	—	—
30	8	—	7	—	—	1	3	—	3	—	—	—
29	4	—	1	1	—	2	3	—	2	1	—	—
28	2	—	1	—	—	1	3	—	3	—	—	—
27	3	—	2	—	—	1	3	—	3	—	—	—
26	4	—	3	—	—	1	6	—	4	—	—	2
25	16	—	7	—	—	9	8	—	4	—	—	4
24	6	—	2	—	3	1	8	—	1	—	—	7
23	34	—	—	5	29	—	13	—	—	5	—	8
22	7	—	1	—	—	6	7	—	2	—	—	5
21	5	—	—	—	2	3	2	—	1	—	—	1
20	8	—	2	—	2	4	11	—	1	—	—	10
19	7	—	—	—	1	6	4	—	—	—	1	3
18	3,718	1,285	3	1,947	98	385	3,764	1,284	13	1,949	130	388
										Total trips:		11,817

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

	Upbound						Downbound					
Grand Total	8,414	7,651	—	452	48	263	8,427	7,651	—	436	73	267

DOMESTIC

Total	8,414	7,651	—	452	48	263	8,427	7,651	—	436	73	267
14	2	—	—	2	—	—	1	—	—	1	—	—
12	19	—	—	15	1	3	19	—	—	15	1	3
11	29	—	—	14	1	14	18	—	—	16	—	2
10	38	—	—	7	1	30	10	—	—	7	1	2
9	43	5	—	1	3	34	43	6	—	2	1	34
8	150	—	—	125	11	14	127	—	—	122	—	5
7	213	—	—	186	4	23	192	1	—	182	—	9
6	7,920	7,646	—	102	27	145	8,017	7,644	—	91	70	212
										Total trips:		16,841

Trips and Drafts of Vessels, 1998
(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	1,271	852	1	229	2	187	1,251	827	1	234	1	188

FOREIGN

Total	447	446	1	---	---	---	422	421	1	---	---	---
33	2	2	---	---	---	---	5	5	---	---	---	---
32	7	7	---	---	---	---	8	8	---	---	---	---
31	15	15	---	---	---	---	14	14	---	---	---	---
30	14	14	---	---	---	---	14	14	---	---	---	---
29	45	45	---	---	---	---	49	49	---	---	---	---
28	56	55	1	---	---	---	43	43	---	---	---	---
27	64	64	---	---	---	---	60	60	---	---	---	---
26	44	44	---	---	---	---	59	59	---	---	---	---
25	35	35	---	---	---	---	30	30	---	---	---	---
24	38	38	---	---	---	---	22	21	1	---	---	---
23	24	24	---	---	---	---	14	14	---	---	---	---
22	12	12	---	---	---	---	11	11	---	---	---	---
21	9	9	---	---	---	---	11	11	---	---	---	---
20	3	3	---	---	---	---	12	12	---	---	---	---
19	---	---	---	---	---	---	13	13	---	---	---	---
18	4	4	---	---	---	---	22	22	---	---	---	---
17	6	6	---	---	---	---	7	7	---	---	---	---
16	7	7	---	---	---	---	7	7	---	---	---	---
15	7	7	---	---	---	---	5	5	---	---	---	---
14	4	4	---	---	---	---	1	1	---	---	---	---
13	8	8	---	---	---	---	4	4	---	---	---	---
12	43	43	---	---	---	---	11	11	---	---	---	---

DOMESTIC

Total	824	406	---	229	2	187	829	406	---	234	1	188
12	824	406	---	229	2	187	829	406	---	234	1	188
										Total trips:		2,522

ALTAMAHA RIVER, GA
No Vessel Trips Reported

DARIEN HARBOR, GA
No Vessel Trips Reported

SATILLA RIVER, GA
No Vessel Trips Reported

SAVANNAH RIVER BELOW AUGUSTA, GA
(6 feet and less)

	Upbound						Downbound					
Grand Total	137	133	---	4	---	---	137	133	---	4	---	---
										Total trips:		274

ST. MARYS RIVER, GA AND FL
(11 feet and less)

	Upbound						Downbound					
Grand Total	85	---	---	47	---	38	85	---	---	47	---	38
										Total trips:		170

Trips and Drafts of Vessels, 1998
(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	479	266	---	114	17	82	469	269	---	105	13	82

FOREIGN

Total	279	266	---	7	6	---	274	269	---	---	5	---
32	---	---	---	---	---	---	1	1	---	---	---	---
31	1	1	---	---	---	---	1	1	---	---	---	---
30	1	1	---	---	---	---	4	4	---	---	---	---
29	3	3	---	---	---	---	3	3	---	---	---	---
28	8	8	---	---	---	---	8	8	---	---	---	---
27	6	6	---	---	---	---	13	13	---	---	---	---
26	5	5	---	---	---	---	11	11	---	---	---	---
25	9	9	---	---	---	---	13	13	---	---	---	---
24	12	12	---	---	---	---	26	26	---	---	---	---
23	38	38	---	---	---	---	35	35	---	---	---	---
22	28	28	---	---	---	---	22	22	---	---	---	---
21	11	11	---	---	---	---	29	29	---	---	---	---
18	157	144	---	7	6	---	108	103	---	---	5	---

DOMESTIC

Total	200	---	---	107	11	82	195	---	---	105	8	82
18	200	---	---	107	11	82	195	---	---	105	8	82

Total trips: 948

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

	Upbound						Downbound					
Grand Total	717	8	---	399	27	283	740	10	---	399	51	280

DOMESTIC

Total	717	8	---	399	27	283	740	10	---	399	51	280
15	4	---	---	3	1	---	17	---	---	15	---	2
14	4	---	---	3	---	1	2	---	---	2	---	---
13	4	---	---	4	---	---	2	---	---	2	---	---
12	12	---	---	7	1	4	13	---	---	10	1	2
11	78	---	---	51	1	26	59	---	---	59	---	---
10	54	---	---	7	1	46	7	---	---	6	---	1
9	10	6	---	2	2	---	9	6	---	2	1	---
8	192	---	---	121	1	70	124	---	---	123	---	1
7	157	1	---	131	6	19	101	1	---	95	3	2
6	202	1	---	70	14	117	406	3	---	85	46	272

Total trips: 1,457

JACKSONVILLE HARBOR, FL

	Inbound						Outbound					
Grand Total	6,219	2,102	251	1,904	709	1,253	6,195	2,137	242	1,855	719	1,242

FOREIGN

Total	1,780	1,534	129	60	55	2	1,756	1,525	132	51	48	---
40	---	---	---	---	---	---	1	1	---	---	---	---
39	1	1	---	---	---	---	---	---	---	---	---	---
38	40	18	22	---	---	---	5	---	5	---	---	---
37	37	25	12	---	---	---	1	---	1	---	---	---
36	14	10	4	---	---	---	1	1	---	---	---	---
35	10	4	6	---	---	---	1	---	1	---	---	---
34	12	7	5	---	---	---	2	2	---	---	---	---
33	9	7	2	---	---	---	5	5	---	---	---	---
32	41	35	6	---	---	---	16	12	4	---	---	---
31	66	62	4	---	---	---	37	34	3	---	---	---
30	61	58	3	---	---	---	71	67	4	---	---	---
29	121	116	5	---	---	---	179	177	2	---	---	---
28	440	423	15	1	1	---	411	400	10	---	1	---
27	148	144	4	---	---	---	138	130	8	---	---	---
26	107	100	6	---	1	---	127	114	13	---	---	---
25	80	74	4	---	2	---	73	67	6	---	---	---
24	56	51	5	---	---	---	87	70	17	---	---	---
23	56	51	5	---	---	---	69	60	9	---	---	---

Trips and Drafts of Vessels, 1998
(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

22	60	58	2	—	—	—	71	58	13	—	—	—
21	57	55	2	—	—	—	78	66	12	—	—	—
20	64	62	2	—	—	—	94	82	12	—	—	—
19	47	43	2	2	—	—	49	43	6	—	—	—
18	253	130	13	57	51	2	240	136	6	51	47	—

DOMESTIC

Total	4,439	568	122	1,844	654	1,251	4,439	612	110	1,804	671	1,242
38	18	—	18	—	—	—	1	—	1	—	—	—
37	9	—	9	—	—	—	—	—	—	—	—	—
36	5	—	5	—	—	—	—	—	—	—	—	—
35	20	—	20	—	—	—	1	—	1	—	—	—
34	27	—	24	—	—	3	1	—	1	—	—	—
33	18	2	16	—	—	—	11	6	4	—	—	1
32	8	—	6	2	—	—	14	7	5	1	—	1
31	6	3	1	—	—	2	8	7	1	—	—	—
30	41	39	—	—	—	2	44	39	5	—	—	—
29	12	4	2	2	—	4	10	3	4	3	—	—
28	8	2	5	—	1	—	2	1	1	—	—	—
27	22	20	1	—	1	—	7	4	2	—	—	1
26	11	1	3	—	—	7	231	224	6	—	—	1
25	30	5	1	—	20	4	12	2	6	—	2	2
24	8	1	3	3	—	1	3	—	1	2	—	—
23	188	178	—	2	7	1	5	5	—	—	—	—
22	8	—	1	2	1	4	3	—	1	1	1	—
21	5	1	2	—	1	1	16	—	16	—	—	—
20	120	—	1	108	2	9	121	—	13	108	—	—
19	19	3	—	7	3	6	13	3	1	6	—	3
18	3,856	309	4	1,718	618	1,207	3,936	311	41	1,683	668	1,233
										Total trips:		12,414

ST. JOHNS RIVER, FL JACKSONVILLE TO LAKE HARNEY

Upbound

Downbound

Grand Total	1,799	408	—	683	254	454	1,826	409	—	686	278	453
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DOMESTIC

Total	1,799	408	—	683	254	454	1,826	409	—	686	278	453
14	1	—	—	1	—	—	1	—	—	1	—	—
12	58	—	—	—	—	58	—	—	—	—	—	—
11	29	—	—	—	—	29	—	—	—	—	—	—
10	43	—	—	2	—	41	—	—	—	—	—	—
9	1	—	—	—	1	—	1	—	—	—	1	—
8	723	403	—	244	—	76	663	404	—	259	—	—
7	290	5	—	263	—	22	257	5	—	252	—	—
6	342	—	—	166	1	175	167	—	—	167	—	—
5	29	—	—	1	—	28	1	—	—	1	—	—
2	279	—	—	6	248	25	732	—	—	6	273	453
1	4	—	—	—	4	—	4	—	—	—	4	—
										Total trips:		3,625

INTRACOASTAL WATERWAY, JACKSONVILLE TO MIAMI, FL

Upbound

Downbound

Grand Total	2,788	1,900	—	532	39	317	2,808	1,884	1	531	70	322
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FOREIGN

Total	38	33	—	2	3	—	20	18	—	1	1	—
10	1	—	—	1	—	—	—	—	—	—	—	—
9	2	2	—	—	—	—	1	—	—	1	—	—
8	1	—	—	1	—	—	—	—	—	—	—	—
7	5	5	—	—	—	—	1	1	—	—	—	—
6	29	26	—	—	3	—	18	17	—	—	1	—

Trips and Drafts of Vessels, 1998
(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	2,750	1,867	—	530	36	317	2,788	1,866	1	530	69	322
15	—	—	—	—	—	—	8	—	—	5	—	3
14	2	—	—	2	—	—	6	—	—	6	—	—
13	—	—	—	—	—	—	1	—	—	1	—	—
12	67	—	—	3	—	64	9	—	—	9	—	—
11	42	—	—	42	—	—	41	—	—	41	—	—
10	542	539	—	2	—	1	543	539	—	3	—	1
9	79	76	—	2	1	—	67	62	—	2	—	3
8	212	—	—	210	—	2	219	1	1	216	—	1
7	243	33	—	96	2	112	141	31	—	100	8	2
6	1,563	1,219	—	173	33	138	1,753	1,233	—	147	61	312
										Total trips:		5,596

CANAVERAL HARBOR, FL

	Inbound						Outbound					
Grand Total	1,998	1,147	49	428	67	307	2,033	1,158	50	436	87	302

FOREIGN

Total	1,002	849	17	68	62	6	1,041	861	18	76	83	3
39	2	—	2	—	—	—	—	—	—	—	—	—
38	2	—	2	—	—	—	—	—	—	—	—	—
37	2	—	2	—	—	—	2	1	—	—	—	—
36	1	—	1	—	—	—	4	3	1	—	—	—
35	3	2	1	—	—	—	1	1	—	—	—	—
34	5	3	2	—	—	—	2	2	—	—	—	—
33	9	8	1	—	—	—	1	1	—	—	—	—
32	3	3	—	—	—	—	3	3	—	—	—	—
31	55	54	1	—	—	—	55	54	1	—	—	—
30	69	66	2	—	—	1	62	60	2	—	—	—
29	15	15	—	—	—	—	18	16	2	—	—	—
28	37	36	1	—	—	—	31	29	2	—	—	—
27	122	120	1	1	—	—	123	122	1	—	—	—
26	151	149	—	—	2	—	155	152	2	1	—	—
25	82	82	—	—	—	—	78	77	1	—	—	—
24	27	26	1	—	—	—	26	25	—	—	—	1
23	58	58	—	—	—	—	53	51	2	—	—	—
22	30	30	—	—	—	—	35	33	1	—	1	—
21	41	41	—	—	—	—	53	53	—	—	—	—
20	11	11	—	—	—	—	29	27	2	—	—	—
19	18	17	—	—	—	1	33	31	—	1	—	1
18	259	128	—	67	60	4	277	120	—	74	82	1

DOMESTIC

Total	996	298	32	360	5	301	992	297	32	360	4	299
39	1	—	1	—	—	—	—	—	—	—	—	—
37	2	—	2	—	—	—	—	—	—	—	—	—
36	2	—	2	—	—	—	—	—	—	—	—	—
35	5	—	5	—	—	—	1	—	1	—	—	—
34	4	—	4	—	—	—	—	—	—	—	—	—
33	6	—	6	—	—	—	1	—	1	—	—	—
31	3	—	2	—	—	1	—	—	—	—	—	—
30	3	—	3	—	—	—	—	—	—	—	—	—
29	5	—	2	—	—	3	—	—	—	—	—	—
28	2	—	1	—	—	1	3	—	2	—	—	1
27	—	—	—	—	—	—	1	—	1	—	—	—
26	3	—	2	—	—	1	—	—	—	—	—	—
25	2	—	1	—	—	1	6	—	6	—	—	—
24	—	—	—	—	—	—	2	—	—	—	1	1
23	—	—	—	—	—	—	1	—	—	—	—	1
22	2	—	—	—	—	2	2	—	2	—	—	—
21	1	—	—	—	—	1	13	—	12	—	—	1
20	18	—	1	16	—	1	15	—	6	8	1	—
18	937	298	—	344	5	290	947	297	1	352	2	295
										Total trips:		4,031

Trips and Drafts of Vessels, 1998
(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

	Inbound						Outbound					
Grand Total	2,720	2,403	12	163	80	62	2,514	2,226	11	141	83	53

FOREIGN

Total	1,523	1,489	12	15	5	2	1,342	1,317	11	9	3	2
36	—	—	—	—	—	—	2	—	—	—	2	—
33	1	1	—	—	—	—	1	1	—	—	—	—
32	1	—	—	—	1	—	7	—	7	—	—	—
31	6	6	—	—	—	—	2	2	—	—	—	—
30	3	3	—	—	—	—	3	1	2	—	—	—
29	3	3	—	—	—	—	3	1	2	—	—	—
28	2	1	1	—	—	—	2	2	—	—	—	—
27	4	4	—	—	—	—	3	3	—	—	—	—
26	6	6	—	—	—	—	10	10	—	—	—	—
25	1	—	1	—	—	—	—	—	—	—	—	—
24	1	—	1	—	—	—	1	1	—	—	—	—
23	3	2	1	—	—	—	—	—	—	—	—	—
22	45	44	1	—	—	—	9	9	—	—	—	—
21	51	47	4	—	—	—	107	107	—	—	—	—
20	7	6	1	—	—	—	13	13	—	—	—	—
19	3	3	—	—	—	—	6	5	—	—	1	—
18	1,386	1,363	2	15	4	2	1,173	1,162	—	9	—	2

DOMESTIC

Total	1,197	914	—	148	75	60	1,172	909	—	132	80	51
32	9	—	—	—	—	9	—	—	—	—	—	—
31	3	—	—	—	—	3	—	—	—	—	—	—
29	4	—	—	—	—	4	—	—	—	—	—	—
28	7	—	—	—	—	7	—	—	—	—	—	—
27	7	—	—	—	—	7	—	—	—	—	—	—
26	14	—	—	—	—	14	8	—	—	—	2	6
25	2	—	—	—	—	2	—	—	—	—	—	—
24	5	—	—	—	—	5	11	—	—	—	11	—
23	4	—	—	2	—	2	50	—	—	—	50	—
22	—	—	—	—	—	—	2	—	—	—	2	—
21	10	—	—	10	—	—	23	—	—	12	10	1
20	20	—	—	20	—	—	22	—	—	20	2	—
19	1	—	—	—	—	1	—	—	—	—	—	—
18	1,111	914	—	116	75	6	1,056	909	—	100	3	44
										Total trips:		5,234

PORT EVERGLADES HARBOR, FL

	Inbound						Outbound					
Grand Total	6,146	5,022	375	408	90	251	5,821	4,683	362	418	107	251

FOREIGN

Total	4,702	4,468	128	61	36	9	4,403	4,130	129	71	53	20
40	1	1	—	—	—	—	—	—	—	—	—	—
39	2	1	1	—	—	—	—	—	—	—	—	—
38	21	6	15	—	—	—	2	2	—	—	—	—
37	46	25	21	—	—	—	4	2	2	—	—	—
36	33	20	13	—	—	—	12	11	1	—	—	—
35	32	19	13	—	—	—	9	8	1	—	—	—
34	22	14	8	—	—	—	14	13	1	—	—	—
33	31	22	9	—	—	—	22	17	5	—	—	—
32	34	25	9	—	—	—	23	20	3	—	—	—
31	36	27	9	—	—	—	27	23	4	—	—	—
30	34	27	7	—	—	—	31	29	2	—	—	—
29	48	46	2	—	—	—	67	60	7	—	—	—
28	56	54	2	—	—	—	78	68	10	—	—	—
27	91	87	3	—	1	—	124	99	24	—	1	—
26	202	198	3	—	—	1	243	234	9	—	—	—
25	160	159	1	—	—	—	260	235	24	—	1	—
24	172	169	1	—	1	1	195	174	20	—	—	1
23	149	149	—	—	—	—	170	168	1	—	—	1
22	183	183	—	—	—	—	189	188	1	—	—	—
21	156	155	1	—	—	—	191	190	1	—	—	—
20	193	192	—	—	—	1	207	205	—	—	2	—
19	205	204	—	1	—	—	127	126	1	—	—	—
18	2,795	2,685	10	60	34	6	2,408	2,258	12	71	49	18

Trips and Drafts of Vessels, 1998
(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	1,444	554	247	347	54	242	1,418	553	233	347	54	231
43	1	—	1	—	—	—	—	—	—	—	—	—
40	5	—	5	—	—	—	—	—	—	—	—	—
39	5	—	5	—	—	—	—	—	—	—	—	—
38	6	—	6	—	—	—	1	—	1	—	—	—
37	35	—	35	—	—	—	—	—	—	—	—	—
36	23	—	23	—	—	—	1	—	1	—	—	—
35	80	—	46	—	—	34	4	—	4	—	—	—
34	47	—	45	—	—	2	3	—	3	—	—	—
33	29	—	26	—	—	3	4	—	4	—	—	—
32	59	—	11	31	—	17	27	—	2	24	—	1
31	11	—	6	—	—	5	5	—	5	—	—	—
30	13	—	4	—	—	9	14	—	12	—	—	2
29	15	—	1	4	—	10	15	—	9	5	—	1
28	31	—	4	—	—	27	15	—	5	5	—	5
27	6	—	1	—	—	5	15	—	11	—	—	4
26	1	—	1	—	—	—	14	—	10	—	—	4
25	10	—	7	—	—	3	34	—	34	—	—	—
24	4	—	—	—	—	4	6	—	5	—	—	1
23	3	—	—	2	—	1	11	—	9	—	—	2
22	12	—	—	10	—	2	16	—	4	9	—	3
21	3	—	—	1	—	2	48	—	47	—	—	1
20	34	—	4	26	—	4	74	—	41	30	—	3
19	—	—	—	—	—	—	1	—	1	—	—	—
18	1,011	554	16	273	54	114	1,110	553	25	274	54	204
										Total trips:		11,967

MIAMI HARBOR, FL

Grand Total	Inbound						Outbound					
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
Grand Total	11,534	9,598	38	1,458	105	335	11,532	9,626	37	1,430	92	347
FOREIGN												
Total	5,043	4,893	20	74	46	10	5,011	4,902	19	51	37	2
41	1	1	—	—	—	—	—	—	—	—	—	—
40	4	4	—	—	—	—	4	4	—	—	—	—
39	25	25	—	—	—	—	23	23	—	—	—	—
38	29	28	1	—	—	—	31	30	1	—	—	—
37	17	17	—	—	—	—	16	16	—	—	—	—
36	23	23	—	—	—	—	22	22	—	—	—	—
35	68	68	—	—	—	—	67	67	—	—	—	—
34	20	20	—	—	—	—	18	18	—	—	—	—
33	55	53	2	—	—	—	45	45	—	—	—	—
32	73	69	4	—	—	—	74	74	—	—	—	—
31	80	78	2	—	—	—	80	80	—	—	—	—
30	135	135	—	—	—	—	133	132	1	—	—	—
29	142	139	3	—	—	—	128	127	1	—	—	—
28	196	196	—	—	—	—	226	222	3	—	—	1
27	130	129	1	—	—	—	169	163	6	—	—	—
26	274	272	2	—	—	—	251	249	2	—	—	—
25	405	405	—	—	—	—	404	402	2	—	—	—
24	89	87	—	1	1	—	80	78	—	1	1	—
23	137	137	—	—	—	—	95	95	—	—	—	—
22	124	122	1	—	1	—	76	76	—	—	—	—
21	117	117	—	—	—	—	231	231	—	—	—	—
20	191	191	—	—	—	—	339	338	—	1	—	—
19	113	113	—	—	—	—	117	116	—	—	—	1
18	2,595	2,464	4	73	44	10	2,382	2,294	3	49	36	—
DOMESTIC												
Total	6,491	4,705	18	1,384	59	325	6,521	4,724	18	1,379	55	345
35	1	—	1	—	—	—	—	—	—	—	—	—
34	1	—	1	—	—	—	—	—	—	—	—	—
33	4	2	2	—	—	—	3	2	1	—	—	—
32	5	4	—	—	—	1	—	—	—	—	—	—
31	11	7	2	—	—	2	4	4	—	—	—	—
30	31	28	3	—	—	—	35	34	1	—	—	—
29	6	1	2	—	—	3	4	4	—	—	—	—
28	2	1	1	—	—	—	1	—	1	—	—	—
27	7	—	4	—	—	3	1	—	—	—	—	1

Trips and Drafts of Vessels, 1998
(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	—	1	—	—	5	1	1	—	—	—	—
25	7	7	—	—	—	—	23	11	12	—	—	—
24	18	16	—	—	—	2	20	19	—	—	—	1
23	6	5	—	—	—	1	—	—	—	—	—	—
22	3	1	—	—	—	2	1	—	—	—	—	1
21	1	—	—	—	—	1	3	—	3	—	—	—
20	21	1	1	19	—	—	14	1	—	13	—	—
19	1	—	—	—	1	—	4	3	—	—	1	—
18	6,360	4,632	—	1,365	58	305	6,407	4,645	—	1,366	54	342
											Total trips:	23,066

MIAMI RIVER, FL

Upbound

Downbound

Grand Total	2,271	1,252	3	1,000	16	—	2,302	1,284	2	995	21	—
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FOREIGN

Total	1,114	1,068	3	27	16	—	1,146	1,101	2	22	21	—
18	6	6	—	—	—	—	7	7	—	—	—	—
17	—	—	—	—	—	—	1	1	—	—	—	—
16	—	—	—	—	—	—	1	1	—	—	—	—
15	5	5	—	—	—	—	7	7	—	—	—	—
14	87	87	—	—	—	—	129	128	—	1	—	—
13	192	192	—	—	—	—	228	228	—	—	—	—
12	192	191	—	1	—	—	177	177	—	—	—	—
11	146	146	—	—	—	—	138	135	1	2	—	—
10	141	140	1	—	—	—	128	126	1	—	1	—
9	61	58	—	2	1	—	55	54	—	1	—	—
8	49	45	—	2	2	—	29	26	—	1	2	—
7	41	37	—	3	1	—	35	30	—	2	3	—
6	194	161	2	19	12	—	211	181	—	15	15	—

DOMESTIC

Total	1,157	184	—	973	—	—	1,156	183	—	973	—	—
11	183	183	—	—	—	—	183	183	—	—	—	—
9	1	1	—	—	—	—	—	—	—	—	—	—
8	486	—	—	486	—	—	486	—	—	486	—	—
7	486	—	—	486	—	—	486	—	—	486	—	—
6	1	—	—	1	—	—	1	—	—	1	—	—
											Total trips:	4,573

INTRACOASTAL WATERWAY, MIAMI TO KEY WEST, FL

Upbound

Downbound

Grand Total	7,220	6,723	—	266	—	231	7,246	6,726	—	266	—	254
--------------------	-------	-------	---	-----	---	-----	-------	-------	---	-----	---	-----

DOMESTIC

Total	7,220	6,723	—	266	—	231	7,246	6,726	—	266	—	254
11	1	—	—	1	—	—	—	—	—	—	—	—
9	—	—	—	—	—	—	3	3	—	—	—	—
8	—	—	—	—	—	—	3	—	—	—	—	3
6	253	—	—	253	—	—	478	—	—	253	—	225
5	6,700	6,689	—	11	—	—	6,722	6,689	—	9	—	24
4	34	34	—	—	—	—	34	34	—	—	—	—
2	231	—	—	1	—	230	6	—	—	4	—	2
1	1	—	—	—	—	1	—	—	—	—	—	—
											Total trips:	14,466

Trips and Drafts of Vessels, 1998
(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
BAKERS HAULOVER INLET, FL (9 feet and less)												
				Upbound							Downbound	
Grand Total	9	8	---	1	---	---	12	9	---	3	---	---
										Total trips:	---	21
EAU GALLIE HARBOR, FL No Vessel Trips Reported												
FORT PIERCE HARBOR, FL (25 feet and less)												
				Inbound							Outbound	
Grand Total	241	200	---	36	5	---	193	150	---	34	8	1
										Total trips:	8	434
KEY WEST HARBOR, FL (34 feet and less)												
				Inbound							Outbound	
Grand Total	1,550	1,508	4	24	5	9	1,474	1,443	4	17	2	8
										Total trips:	2	3,024
MELBOURNE HARBOR, FL (9 feet and less)												
				Inbound							Outbound	
Grand Total	1	1	---	---	---	---	1	1	---	---	---	---
										Total trips:	---	2
NEW RIVER, FL (8 feet and less)												
				Upbound							Downbound	
Grand Total	14	1	---	13	---	---	14	1	---	13	---	---
										Total trips:	---	28
OKLAWAHA RIVER, FL No Vessel Trips Reported												
PONCE DE LEON INLET, FL (9 feet and less)												
				Upbound							Downbound	
Grand Total	4	3	---	1	---	---	4	1	---	3	---	---
										Total trips:	---	8
RICE CREEK, FL (11 feet and less)												
				Upbound							Downbound	
Grand Total	216	---	---	121	---	95	216	---	---	121	---	95
										Total trips:	---	432
ST. AUGUSTINE HARBOR, FL (9 feet and less)												
				Inbound							Outbound	
Grand Total	1,253	1,238	---	11	4	---	1,252	1,232	---	12	8	---
										Total trips:	8	2,505

Trips and Drafts of Vessels, 1998
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
ST. LUCIE INLET, FL (8 feet and less)												
	Upbound						Downbound					
Grand Total	327	303	—	9	15	—	340	304	1	12	16	7
										Total trips:		667

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