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Introduction

General

Waterborne Commerce of the United States, WCUS, Part 4 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 and export 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 commerce data is furnished to the Corps of Engineers by the Bureau of the Census under a working arrangement sponsored by the Office of Management and Budget. The data is confined to vessel movements by water and is reconcilable with published reports of the Bureau of the Census with the exception of LOOP Oil Terminal and Skagway Wharf reports which are manually entered as imports by the Corps of Engineers.

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

... 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.

Intransit Merchandise: Inbound merchandise coming into the United States from a foreign country and shipped to a foreign country without having been entered as an import. Intransit merchandise is treated as an **Import** when unloaded from a vessel and as an **Export** when loaded onto a vessel.

Domestic

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

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

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

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

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

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

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

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

Traffic Direction

Waterways

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

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

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

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

Ports

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

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

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

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

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

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

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

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

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

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

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

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

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

Ton-miles are rounded to the nearest thousand.

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

Commodity Classification List

Major Grouping

Minor Grouping

Pub Group Pub Name

00 Units

0200 Vehicles
0300 Passengers

10 Coal

1100 Coal
1200 Coal Coke

20 Petroleum & Petroleum Products

21 Crude Petroleum

2100 Crude Petroleum

22-29 Petroleum Products

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

30 Chemicals and Related Products

31 Fertilizers

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

32 Other Chemicals and Related Products

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

Major Grouping

Minor Grouping

Pub Group Pub Name

3281 Radioactive Material
3282 Pigments & Paints
3283 Coloring Mat. NEC
3284 Medicines
3285 Perfumes & Cleansers
3286 Plastics
3291 Pesticides
3292 Starches, Gluten, Glue
3293 Explosives
3297 Chemical Additives
3298 Wood & Resin Chem.
3299 Chem. Products NEC

40 Crude Materials, Inedible Except Fuels

41 Forest Products, Wood and Chips

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

42 Pulp and Waste Paper

4225 Pulp & Waste Paper

43 Soil, Sand, Gravel, Rock and Stone

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

44 Iron Ore and Scrap

4410 Iron Ore
4420 Iron & Steel Scrap

45 Marine Shells

4515 Marine Shells

46 Non-Ferrous Ores and Scrap

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

47 Sulphur, Clay and Salt

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

48 Slag

4860 Slag

Commodity Classification List (continued)

<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group</u>	<u>Pub Name</u>	<u>Major Grouping</u>	<u>Minor Grouping</u>	<u>Pub Group</u>	<u>Pub Name</u>
		49	Other Non-Metal. Min.			6781	Hay & Fodder
		4900	Non-Metal. Min. NEC			6782	Animal Feed, Prep.
50	Primary Manufactured Goods			68	Other Agricultural Products		
	51 Paper Products				6811		Meat, Fresh, Frozen
	5110		Newsprint		6817		Meat, Prepared
	5120		Paper & Paperboard		6822		Dairy Products
	5190		Paper Products NEC		6835		Fish, Prepared
	52 Lime, Cement and Glass				6838		Tallow, Animal Oils
	5210		Lime		6839		Animals & Prod. NEC
	5220		Cement & Concrete		6856		Bananas & Plantains
	5240		Glass & Glass Prod.		6857		Fruit & Nuts NEC
	5290		Misc. Mineral Prod.		6858		Fruit Juices
	53 Primary Iron and Steel Products				6861		Sugar
	5312		Pig Iron		6865		Molasses
	5315		Ferro Alloys		6871		Coffee
	5320		I&S Primary Forms		6872		Cocoa Beans
	5330		I&S Plates & Sheets		6885		Alcoholic Beverages
	5360		I&S Bars & Shapes		6887		Groceries
	5370		I&S Pipe & Tube		6888		Water & Ice
	5390		Primary I&S NEC		6889		Food Products NEC
	54 Primary Non-Ferrous Metal Products				6891		Tobacco & Products
	5421		Copper		6893		Cotton
	5422		Aluminum		6894		Natural Fibers NEC
	5429		Smelted Prod. NEC		6899		Farm Products NEC
	5480		Fab. Metal Products				
	55 Primary Wood Products; Veneer			70	All Manufactured Equipment, Machinery and Products		
	5540		Primary Wood Prod.		7110		Machinery (Not Elec)
60	Food and Farm Products				7120		Electrical Machinery
	61 Fish				7210		Vehicles & Parts
	6134		Fish (Not Shellfish)		7220		Aircraft & Parts
	6136		Shellfish		7230		Ships & Boats
	62-64 Grain				7300		Ordnance & Access.
	6241		Wheat		7400		Manufac. Wood Prod.
	6344		Corn		7500		Textile Products
	6442		Rice		7600		Rubber & Plastic Pr.
	6443		Barley & Rye		7800		Empty Containers
	6445		Oats		7900		Manufac. Prod. NEC
	6447		Sorghum Grains				
	65 Oilseeds			80	Waste and Scrap NEC		
	6521		Peanuts		8900		Waste and Scrap NEC
	6522		Soybeans				
	6534		Flaxseed	90	Unknown or Not Elsewhere Classified		
	6590		Oilseeds NEC		99		Unknown or Not Elsewhere Clsfd
	66 Vegetable Products				9900		Unknown or NEC
	6653		Vegetable Oils				
	6654		Vegetables & Prod.				
	67 Processed Grain and Animal Feed						
	6746		Wheat Flour				
	6747		Grain Mill Products				

SAN DIEGO HARBOR, CA

Section Included: Entire harbor. Controlling and Project Depths: 42 feet in entrance channel; 30 to 42 feet in Bay Channel, and turning basin 26 to 35 feet in anchorage areas; 10 to 16 feet in other channels and areas.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	2,956	1990	1,280	1993	1,294	1996	1,842
1988	2,017	1991	904	1994	1,167		
1989	1,741	1992	638	1995	1,351		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise		Internal Receipts
						Receipts	Shipments	
Total, all commodities	1,842	251	696	54	840	655	116	69
Total petroleum and petroleum products	521	0	---	---	521	521	0	---
Subtotal petroleum products	521	0	---	---	521	521	0	---
2211 gasoline	269	---	---	---	269	269	---	---
2330 distillate fuel oil	0	---	---	---	0	---	0	---
2340 residual fuel oil	252	---	---	---	252	252	---	---
2540 petroleum coke	0	0	---	---	---	---	---	---
Total chemicals and related products	771	94	677	---	---	---	---	---
Subtotal fertilizers	93	93	0	---	---	---	---	---
3110 nitrogenous fert.	69	69	---	---	---	---	---	---
3190 fert. & mixes nec	24	24	0	---	---	---	---	---
Subtotal other chemicals and related products	678	1	677	---	---	---	---	---
3219 other hydrocarbons	0	---	0	---	---	---	---	---
3220 alcohols	0	---	0	---	---	---	---	---
3240 nitrogen func. comp.	1	0	1	---	---	---	---	---
3250 organo-inorganic comp.	0	---	0	---	---	---	---	---
3260 organic comp. nec	0	0	---	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	---	---	---	---
3276 metallic salts	673	0	673	---	---	---	---	---
3279 inorganic chem. nec	0	0	---	---	---	---	---	---
3282 pigments & paints	0	---	0	---	---	---	---	---
3283 coloring mat. nec	0	0	0	---	---	---	---	---
3284 medicines	1	---	1	---	---	---	---	---
3285 perfumes & cleansers	0	0	0	---	---	---	---	---
3286 plastics	1	0	1	---	---	---	---	---
3291 pesticides	0	---	0	---	---	---	---	---
3292 starches, gluten, glue	0	0	0	---	---	---	---	---
3293 explosives	0	0	---	---	---	---	---	---
3297 chemical additives	1	---	1	---	---	---	---	---
3299 chem. products nec	0	0	---	---	---	---	---	---
Total crude materials, inedible except fuels	369	37	15	0	316	132	116	68
Subtotal forest products, wood and chips	228	28	0	---	200	132	---	68
4189 lumber	133	0	0	---	132	132	---	---
4190 forest products nec	95	28	---	---	68	---	---	68
Subtotal pulp and waste paper	15	---	15	---	---	---	---	---
4225 pulp & waste paper	15	---	15	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	115	0	---	---	115	---	115	---
4310 building stone	0	0	---	---	---	---	---	---
4331 sand & gravel	115	---	---	---	115	---	115	---
Subtotal iron ore and scrap	9	9	---	---	0	0	---	---
4410 iron ore	9	9	---	---	---	---	---	---
4420 iron & steel scrap	0	---	---	---	0	0	---	---
Subtotal marine shells	0	0	---	---	---	---	---	---
4515 marine shells	0	0	---	---	---	---	---	---
Subtotal non-ferrous ores and scrap	0	0	---	---	---	---	---	---
4680 non-ferrous scrap	0	0	---	---	---	---	---	---
Subtotal sulphur, clay and salt	0	---	---	---	0	---	0	---
4782 clay & refrac. mat.	0	---	---	---	0	---	0	---
Subtotal other non-metal. min.	0	0	0	0	---	---	---	---
4900 non-metal. min. nec	0	0	0	0	---	---	---	---
Total primary manufactured goods	68	12	2	54	0	0	0	---
Subtotal paper products	56	0	2	54	---	---	---	---
5110 newspaper	54	---	---	54	---	---	---	---
5120 paper & paperboard	2	0	2	---	---	---	---	---
5190 paper products nec	0	0	0	---	---	---	---	---
Subtotal lime, cement and glass	2	2	0	---	---	---	---	---
5240 glass & glass prod.	0	0	0	---	---	---	---	---
5290 misc. mineral prod.	2	2	---	---	---	---	---	---

SAN DIEGO HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise		Internal Receipts
						Receipts	Shipments	
Subtotal primary iron and steel products	9	9	0	---	0	---	0	---
5360 i&s bars & shapes	9	9	---	---	---	---	---	---
5370 i&s pipe & tube	0	0	0	---	0	---	0	---
Subtotal primary non-ferrous metal products	1	1	0	---	0	0	0	---
5421 copper	0	0	---	---	---	---	---	---
5422 aluminum	0	0	---	---	---	---	---	---
5480 fab. metal products	1	1	0	---	0	0	0	---
Subtotal primary wood products	0	0	0	---	---	---	---	---
5540 primary wood prod.	0	0	0	---	---	---	---	---
Total food and farm products	48	46	1	---	1	---	0	1
Subtotal fish	1	0	---	---	1	---	---	1
6134 fish (not shellfish)	1	0	---	---	1	---	---	1
6136 shellfish	0	0	---	---	0	---	---	0
Subtotal grain	0	0	---	---	---	---	---	---
6442 rice	0	0	---	---	---	---	---	---
Subtotal oilseeds	0	0	---	---	---	---	---	---
6521 peanuts	0	0	---	---	---	---	---	---
Subtotal vegetable products	7	7	---	---	---	---	---	---
6653 vegetable oils	6	6	---	---	---	---	---	---
6654 vegetables & prod.	1	1	---	---	---	---	---	---
Subtotal processed grain and animal feed	0	0	---	---	---	---	---	---
6747 grain mill products	0	0	---	---	---	---	---	---
Subtotal other agricultural products	40	39	1	---	0	---	0	---
6811 meat, fresh, frozen	0	0	0	---	---	---	---	---
6822 dairy products	0	0	---	---	---	---	---	---
6835 fish, prepared	0	0	---	---	---	---	---	---
6839 animals & prod. nec	1	0	1	---	---	---	---	---
6856 bananas & plantains	0	0	---	---	---	---	---	---
6857 fruit & nuts nec	37	37	---	---	---	---	---	---
6858 fruit juices	1	1	---	---	---	---	---	---
6871 coffee	0	0	---	---	---	---	---	---
6872 cocoa beans	0	0	---	---	---	---	---	---
6885 alcoholic beverages	0	0	---	---	---	---	---	---
6888 water & ice	0	0	---	---	0	---	0	---
6889 food products nec	0	0	0	---	---	---	---	---
6899 farm products nec	0	0	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	64	62	1	---	2	1	0	---
7110 machinery (not elec)	0	0	0	---	0	0	0	---
7120 electrical machinery	1	1	0	---	---	---	---	---
7210 vehicles & parts	53	53	0	---	0	---	0	---
7220 aircraft & parts	0	---	0	---	---	---	---	---
7230 ships & boats	0	0	0	---	---	---	---	---
7300 ordnance & access.	1	---	---	---	1	1	---	---
7400 manufac. wood prod.	0	0	---	---	---	---	---	---
7500 textile products	5	5	0	---	---	---	---	---
7600 rubber & plastic pr.	1	0	0	---	---	---	---	---
7900 manufac. prod. nec	3	2	0	---	1	1	0	---
Total unknown or not elsewhere classified	0	0	0	---	---	---	---	---
9900 unknown or nec	0	0	0	---	---	---	---	---

LONG BEACH HARBOR, CA

Section Included: Entire harbor within the city limits of Long Beach. Controlling Depth: 62 feet in Long Beach Entrance Channel; 50 feet to 55 feet in turning basins; 35 feet in Cerritos Channel. Project Depth: 35 feet in Long Beach channel and other channels and basins.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	45,899	1990	52,425	1993	54,321	1996	58,395
1988	46,560	1991	52,891	1994	56,522		
1989	54,808	1992	52,049	1995	53,227		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	36,028	17,264	18,390	322	52
Total coal	2,921	58	2,863	---	---
1100 coal lignite	2,921	58	2,863	---	---
1200 coal coke	0	0	0	---	---

LONG BEACH HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total petroleum and petroleum products	9,572	4,173	5,372	23	3
Subtotal crude petroleum	3,052	3,034	3	16	---
2100 crude petroleum	3,052	3,034	3	16	---
Subtotal petroleum products	6,520	1,140	5,370	7	3
2211 gasoline	360	297	55	7	---
2221 kerosene	122	61	60	---	---
2330 distillate fuel oil	198	48	147	---	3
2340 residual fuel oil	804	614	190	---	---
2350 lube oil & greases	64	1	63	---	---
2410 petro. jelly & waxes	5	0	4	---	---
2429 naphtha & solvents	366	33	333	---	---
2430 asphalt, tar & pitch	100	0	100	---	---
2540 petroleum coke	4,423	27	4,396	---	---
2640 liquid natural gas	79	58	20	---	---
Total chemicals and related products	3,436	1,050	2,356	19	10
Subtotal fertilizers	94	31	63	---	---
3110 nitrogenous fert.	27	27	0	---	---
3120 phosphatic fert.	2	2	0	---	---
3130 potassic fert.	27	0	27	---	---
3190 fert. & mixes nec	38	3	36	---	---
Subtotal other chemicals and related products	3,343	1,019	2,294	19	10
3211 acyclic hydrocarbons	27	0	27	---	---
3212 benzene & toluene	0	---	0	---	---
3219 other hydrocarbons	27	3	24	---	---
3220 alcohols	73	15	44	14	0
3230 carboxylic acids	74	20	55	---	---
3240 nitrogen func. comp.	124	21	103	---	0
3250 organo-inorganic comp.	73	14	59	---	---
3260 organic comp. nec	546	500	47	---	---
3271 sulphur (liquid)	183	0	173	---	9
3272 sulphuric acid	18	16	2	---	---
3273 ammonia	5	2	3	---	---
3274 sodium hydroxide	18	0	14	4	---
3275 inorg. elem., oxides, & halogen salts	121	47	73	1	0
3276 metallic salts	180	24	156	---	0
3279 inorganic chem. nec	11	10	1	---	---
3281 radioactive material	8	4	3	---	---
3282 pigments & paints	66	12	54	---	---
3283 coloring mat. nec	14	10	5	---	0
3284 medicines	35	13	22	---	---
3285 perfumes & cleansers	108	14	94	---	---
3286 plastics	1,326	213	1,113	0	1
3291 pesticides	23	2	21	---	---
3292 starches, gluten, glue	56	15	40	---	---
3293 explosives	30	30	1	---	---
3297 chemical additives	53	2	51	0	---
3298 wood & resin chem.	11	1	10	---	---
3299 chem. products nec	132	33	99	---	0
Total crude materials, inedible except fuels	2,719	864	1,815	40	0
Subtotal forest products, wood and chips	288	144	104	40	---
4110 rubber & gums	98	98	1	0	---
4150 fuel wood	21	1	20	---	---
4161 wood chips	7	2	5	---	---
4170 wood in the rough	30	1	29	0	---
4189 lumber	107	22	45	40	---
4190 forest products nec	26	22	4	0	---
Subtotal pulp and waste paper	949	14	934	1	0
4225 pulp & waste paper	949	14	934	1	0
Subtotal soil, sand, gravel, rock and stone	601	543	58	---	---
4310 building stone	2	1	1	---	---
4322 limestone	9	2	7	---	---
4323 gypsum	555	537	18	---	---
4327 phosphate rock	2	0	2	---	---
4331 sand & gravel	32	3	29	---	---
Subtotal iron ore and scrap	141	5	136	---	---
4420 iron & steel scrap	141	5	136	---	---
Subtotal marine shells	4	0	4	---	---
4515 marine shells	4	0	4	---	---
Subtotal non-ferrous ores and scrap	201	18	183	---	0
4630 copper ore	14	0	14	---	---
4650 aluminum ore	20	4	16	---	---
4670 manganese ore	0	---	0	---	---
4680 non-ferrous scrap	137	5	132	---	0
4690 non-ferrous ores nec	29	10	20	---	---
Subtotal sulphur, clay and salt	291	6	285	---	---
4741 sulphur, (dry)	259	0	259	---	---
4782 clay & refrac. mat.	32	6	26	---	---
Subtotal slag	0	0	0	---	---
4860 slag	0	0	0	---	---
Subtotal other non-metal. min.	244	132	112	---	0
4900 non-metal. min. nec	244	132	112	---	0
Total primary manufactured goods	4,221	2,903	1,082	235	1
Subtotal paper products	782	109	438	235	---
5110 newsprint	318	1	86	230	---
5120 paper & paperboard	350	59	286	4	---
5190 paper products nec	115	48	66	0	---
Subtotal lime, cement and glass	1,280	1,037	244	0	0
5210 lime	0	0	---	---	---
5220 cement & concrete	457	421	36	---	---
5240 glass & glass prod.	191	125	65	0	0
5290 misc. mineral prod.	633	490	142	0	---

LONG BEACH HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal primary iron and steel products	939	867	71	0	0
5312 pig iron	13	4	9	---	---
5315 ferro alloys	15	12	3	---	---
5320 i&s primary forms	83	79	4	---	---
5330 i&s plates & sheets	445	425	20	---	---
5360 i&s bars & shapes	206	195	11	0	---
5370 i&s pipe & tube	145	124	21	---	0
5390 primary i&s nec	31	28	3	---	0
Subtotal primary non-ferrous metal products	1,150	835	314	0	1
5421 copper	140	17	123	---	---
5422 aluminum	77	15	63	0	---
5429 smelted prod. nec	44	18	26	---	0
5480 fab. metal products	889	786	102	0	1
Subtotal primary wood products	69	54	15	---	---
5540 primary wood prod.	69	54	15	---	---
Total food and farm products	4,862	1,449	3,409	3	1
Subtotal fish	316	177	139	0	0
6134 fish (not shellfish)	160	62	98	0	0
6136 shellfish	156	115	41	0	---
Subtotal grain	88	53	36	---	---
6241 wheat	2	0	2	---	---
6344 corn	27	0	27	---	---
6442 rice	56	52	5	---	---
6443 barley & rye	1	1	0	---	---
6445 oats	2	0	2	---	---
6447 sorghum grains	0	---	0	---	---
Subtotal oilseeds	79	6	74	---	---
6521 peanuts	1	---	1	---	---
6522 soybeans	57	0	57	---	---
6590 oilseeds nec	21	6	15	---	---
Subtotal vegetable products	406	179	226	1	0
6653 vegetable oils	51	30	21	0	---
6654 vegetables & prod.	355	148	205	1	0
Subtotal processed grain and animal feed	910	58	852	0	0
6746 wheat flour	2	1	1	---	---
6747 grain mill products	89	43	46	0	0
6781 hay & fodder	575	0	575	---	---
6782 animal feed, prep.	244	14	230	---	---
Subtotal other agricultural products	3,062	978	2,082	2	1
6811 meat, fresh, frozen	338	14	324	---	---
6817 meat, prepared	31	9	21	---	---
6822 dairy products	23	3	20	---	0
6835 fish, prepared	148	64	83	0	---
6838 tallow, animal oils	32	0	32	---	---
6839 animals & prod. nec	166	17	149	---	---
6856 bananas & plantains	260	259	0	---	---
6857 fruit & nuts nec	473	47	426	0	0
6858 fruit juices	196	143	53	0	---
6861 sugar	1	1	0	---	---
6865 molasses	20	19	0	---	---
6871 coffee	143	126	17	0	0
6872 cocoa beans	10	8	2	---	---
6885 alcoholic beverages	250	110	138	1	1
6888 water & ice	42	37	5	---	0
6889 food products nec	311	107	203	0	0
6891 tobacco & products	63	4	59	---	---
6893 cotton	528	0	528	---	---
6894 natural fibers nec	2	1	1	---	---
6899 farm products nec	26	6	20	0	---
Total all manufactured equipment, machinery and products	8,155	6,717	1,436	1	1
7110 machinery (not elec)	963	646	317	0	0
7120 electrical machinery	1,640	1,399	242	0	0
7210 vehicles & parts	678	519	159	0	---
7220 aircraft & parts	8	1	7	---	---
7230 ships & boats	11	3	8	---	0
7300 ordnance & access.	6	3	3	---	---
7400 manufac. wood prod.	96	74	21	0	---
7500 textile products	1,385	1,186	199	0	0
7600 rubber & plastic pr.	809	583	226	0	0
7900 manufac. prod. nec	2,558	2,304	254	0	0
Total unknown or not elsewhere classified	142	50	57	0	36
9900 unknown or nec	142	50	57	0	36

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	22,367	19,583	1,515	774	250	245
Total petroleum and petroleum products	21,085	18,843	981	772	249	241
Subtotal crude petroleum	16,625	16,360	125	91	39	11
2100 crude petroleum	16,625	16,360	125	91	39	11
Subtotal petroleum products	4,460	2,483	856	680	211	230
2211 gasoline	1,557	1,274	274	7	---	2
2330 distillate fuel oil	1,126	722	347	23	32	2
2340 residual fuel oil	1,658	373	234	647	178	226

LONG BEACH HARBOR, CA
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
2350 lube oil & greases	42	38	0	4	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---
2429 naphtha & solvents	35	35	---	---	---	---
2430 asphalt, tar & pitch	12	12	---	---	---	---
2540 petroleum coke	0	---	0	---	---	---
2640 liquid natural gas	0	---	0	---	---	---
2990 petro. products nec	29	29	---	---	---	0
Total chemicals and related products	585	555	29	---	---	---
Subtotal fertilizers	1	0	1	---	---	---
3110 nitrogenous fert.	0	---	0	---	---	---
3190 fert. & mixes nec	1	0	1	---	---	---
Subtotal other chemicals and related products	583	555	28	---	---	---
3212 benzene & toluene	8	4	4	---	---	---
3219 other hydrocarbons	3	3	0	---	---	---
3220 alcohols	2	---	2	---	---	---
3230 carboxylic acids	1	---	1	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---
3250 organo-inorganic comp.	0	---	0	---	---	---
3260 organic comp. nec	9	7	1	---	---	---
3271 sulphur (liquid)	1	---	1	---	---	---
3274 sodium hydroxide	43	43	0	---	---	---
3275 inorg. elem. oxides, & halogen salts	0	---	0	---	---	---
3276 metallic salts	0	---	0	---	---	---
3282 pigments & paints	1	---	1	---	---	---
3284 medicines	0	---	0	---	---	---
3285 perfumes & cleansers	1	0	1	---	---	---
3286 plastics	9	---	9	---	---	---
3292 starches, gluten, glue	0	---	0	---	---	---
3293 explosives	0	---	0	---	---	---
3297 chemical additives	486	486	0	---	---	---
3298 wood & resin chem.	13	11	2	---	---	---
3299 chem. products nec	7	1	6	---	---	---
Total crude materials, inedible except fuels	200	153	47	---	---	---
Subtotal forest products, wood and chips	138	137	0	---	---	---
4150 fuel wood	0	---	0	---	---	---
4170 wood in the rough	0	---	0	---	---	---
4189 lumber	137	137	0	---	---	---
4190 forest products nec	0	0	0	---	---	---
Subtotal pulp and waste paper	45	---	45	---	---	---
4225 pulp & waste paper	45	---	45	---	---	---
Subtotal soil, sand, gravel, rock and stone	16	16	0	---	---	---
4323 gypsum	0	---	0	---	---	---
4331 sand & gravel	16	16	0	---	---	---
Subtotal iron ore and scrap	0	0	0	---	---	---
4420 iron & steel scrap	0	0	0	---	---	---
Subtotal non-ferrous ores and scrap	0	0	0	---	---	---
4630 copper ore	0	---	0	---	---	---
4680 non-ferrous scrap	0	0	0	---	---	---
Subtotal sulphur, clay and salt	1	---	1	---	---	---
4782 clay & refrac. mat.	1	---	1	---	---	---
Subtotal other non-metal. min.	0	---	0	---	---	---
4900 non-metal. min. nec	0	---	0	---	---	---
Total primary manufactured goods	26	0	26	0	---	---
Subtotal paper products	10	0	10	---	---	---
5110 newsprint	0	---	0	---	---	---
5120 paper & paperboard	8	0	7	---	---	---
5190 paper products nec	2	0	2	---	---	---
Subtotal lime, cement and glass	3	0	3	---	---	---
5220 cement & concrete	0	---	0	---	---	---
5240 glass & glass prod.	0	0	0	---	---	---
5290 misc. mineral prod.	3	---	3	---	---	---
Subtotal primary iron and steel products	9	---	9	---	---	---
5312 pig iron	0	---	0	---	---	---
5320 i&s primary forms	0	---	0	---	---	---
5330 i&s plates & sheets	0	---	0	---	---	---
5360 i&s bars & shapes	9	---	9	---	---	---
5370 i&s pipe & tube	0	---	0	---	---	---
5390 primary i&s nec	0	---	0	---	---	---
Subtotal primary non-ferrous metal products	4	0	4	0	---	---
5421 copper	0	0	0	---	---	---
5422 aluminum	1	---	1	---	---	---
5429 smelted prod. nec	0	---	0	---	---	---
5480 fab. metal products	3	0	3	0	---	---
Total food and farm products	173	3	168	2	---	---
Subtotal fish	1	1	0	0	---	---
6134 fish (not shellfish)	0	0	0	0	---	---
6136 shellfish	1	1	0	0	---	---
Subtotal grain	2	---	2	---	---	---
6241 wheat	2	---	2	---	---	---
6344 corn	0	---	0	---	---	---
6442 rice	0	---	0	---	---	---
Subtotal oilseeds	0	---	0	---	---	---
6522 soybeans	0	---	0	---	---	---
6590 oilseeds nec	0	---	0	---	---	---
Subtotal vegetable products	44	0	44	---	---	---
6653 vegetable oils	0	0	0	---	---	---
6654 vegetables & prod.	43	---	43	---	---	---
Subtotal processed grain and animal feed	28	1	26	---	---	---
6746 wheat flour	7	0	7	---	---	---

LONG BEACH HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
6747 grain mill products	0	0	0	---	---	---
6781 hay & fodder	13	---	13	---	---	---
6782 animal feed, prep.	8	1	7	---	---	---
Subtotal other agricultural products	99	1	96	2	---	---
6811 meat, fresh, frozen	3	0	3	---	---	---
6817 meat, prepared	2	0	2	---	---	---
6822 dairy products	1	0	1	---	---	---
6839 animals & prod. nec	12	---	12	---	---	---
6857 fruit & nuts nec	36	0	36	---	---	---
6858 fruit juices	1	0	0	---	---	---
6861 sugar	1	---	1	---	---	---
6871 coffee	0	0	0	---	---	---
6885 alcoholic beverages	17	0	17	---	---	---
6888 water & ice	2	0	---	2	---	---
6889 food products nec	6	0	5	0	---	---
6891 tobacco & products	3	---	3	---	---	---
6893 cotton	1	---	1	---	---	---
6899 farm products nec	15	---	15	---	---	---
Total all manufactured equipment, machinery and products	298	28	264	1	1	4
7110 machinery (not elec)	3	0	2	0	0	0
7120 electrical machinery	2	0	2	---	---	---
7210 vehicles & parts	23	8	12	---	---	3
7220 aircraft & parts	0	---	0	---	---	---
7230 ships & boats	0	0	0	---	---	---
7300 ordnance & access.	1	1	0	---	---	---
7400 manufac. wood prod.	0	---	0	---	---	---
7500 textile products	2	1	1	---	---	---
7600 rubber & plastic pr.	4	0	4	---	---	---
7900 manufac. prod. nec	264	18	244	1	1	1
Total unknown or not elsewhere classified	0	0	0	---	---	---
9900 unknown or nec	0	0	0	---	---	---

LOS ANGELES HARBOR, CA

Section Included: Entire harbor within the city limits of Los Angeles. Controlling Depth: 45 to 51 feet in entrance and outer harbor channels and basins; 45 feet in Los Angeles channel and inner harbor basins and channels; 35 feet in Cerritos Channel. Project Depth: 45 to 51 feet in entrance and outer harbor channels and basins; 45 feet in Los Angeles channel and inner harbor basins and channels; 35 feet in Cerritos Channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	40,461	1990	46,352	1993	43,623	1996	45,689
1988	45,214	1991	47,008	1994	43,140		
1989	47,272	1992	40,104	1995	46,479		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	27,758	13,920	13,400	384	56
Total coal	3,096	15	3,080	---	---
1100 coal lignite	3,093	13	3,080	---	---
1200 coal coke	2	2	---	---	---
Total petroleum and petroleum products	3,658	1,003	2,568	68	19
Subtotal crude petroleum	210	137	5	68	---
2100 crude petroleum	210	137	5	68	---
Subtotal petroleum products	3,448	866	2,563	---	19
2211 gasoline	107	45	62	---	---
2221 kerosene	455	437	19	---	---
2330 distillate fuel oil	180	27	152	---	---
2340 residual fuel oil	392	232	142	---	19
2350 lube oil & greases	49	1	48	---	0
2410 petro. jelly & waxes	6	0	6	---	---
2429 naphtha & solvents	755	98	657	---	---
2430 asphalt, tar & pitch	92	1	91	---	---
2540 petroleum coke	1,269	21	1,249	---	---
2640 liquid natural gas	141	3	137	---	---
Total chemicals and related products	3,115	1,033	1,856	225	1
Subtotal fertilizers	82	56	27	---	0
3110 nitrogenous fert.	42	42	1	---	---
3120 phosphatic fert.	5	5	0	---	---
3130 potassic fert.	1	0	1	---	---
3190 fert. & mixes nec	34	9	25	---	0
Subtotal other chemicals and related products	3,033	978	1,829	225	1
3211 acyclic hydrocarbons	11	5	6	---	0
3212 benzene & toluene	1	0	1	---	---
3219 other hydrocarbons	31	5	26	---	---
3220 alcohols	154	36	32	85	0
3230 carboxylic acids	79	24	54	0	---

LOS ANGELES HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
3240 nitrogen func. comp.	94	24	70	0	---
3250 organo-inorganic comp.	56	15	41	---	---
3260 organic comp. nec	625	438	51	136	---
3271 sulphur (liquid)	20	0	20	---	---
3272 sulphuric acid	12	10	1	0	---
3273 ammonia	22	20	2	---	---
3274 sodium hydroxide	37	31	5	---	---
3275 inorg. elem. oxides, & halogen salts	123	26	97	0	0
3276 metallic salts	346	16	330	---	---
3279 inorganic chem. nec	3	2	1	---	---
3281 radioactive material	4	3	1	---	---
3282 pigments & paints	64	14	50	0	0
3283 coloring mat. nec	8	6	2	---	0
3284 medicines	27	10	17	---	---
3285 perfumes & cleansers	76	9	67	0	0
3286 plastics	931	202	726	2	0
3291 pesticides	24	9	15	---	---
3292 starches, gluten, glue	50	25	24	---	---
3293 explosives	20	20	0	---	0
3297 chemical additives	82	3	79	---	0
3298 wood & resin chem.	5	1	5	---	---
3299 chem. products nec	129	22	107	0	0
Total crude materials, inedible except fuels	2,691	282	2,334	75	1
Subtotal forest products, wood and chips	292	202	45	45	0
4110 rubber & gums	132	132	0	---	0
4150 fuel wood	4	2	2	---	0
4161 wood chips	1	0	1	0	---
4170 wood in the rough	15	7	8	0	0
4189 lumber	115	38	32	45	0
4190 forest products nec	25	23	3	---	0
Subtotal pulp and waste paper	803	10	764	29	0
4225 pulp & waste paper	803	10	764	29	0
Subtotal soil, sand, gravel, rock and stone	53	7	45	0	0
4310 building stone	4	2	1	0	---
4322 limestone	1	1	0	---	---
4323 gypsum	5	0	4	---	0
4327 phosphate rock	2	0	2	---	---
4331 sand & gravel	42	3	39	---	---
Subtotal iron ore and scrap	1,166	7	1,160	---	---
4410 iron ore	6	6	---	---	---
4420 iron & steel scrap	1,160	1	1,160	---	---
Subtotal marine shells	1	1	1	---	---
4515 marine shells	1	1	1	---	---
Subtotal non-ferrous ores and scrap	151	24	127	---	0
4630 copper ore	29	---	28	---	0
4650 aluminum ore	11	3	8	---	---
4670 manganese ore	6	1	5	---	---
4680 non-ferrous scrap	72	5	67	---	0
4690 non-ferrous ores nec	34	15	19	---	0
Subtotal sulphur, clay and salt	121	6	115	---	0
4741 sulphur, (dry)	80	---	80	---	---
4782 clay & refrac. mat.	40	6	34	---	0
Subtotal slag	1	0	1	---	---
4860 slag	1	0	1	---	---
Subtotal other non-metal. min.	103	26	77	---	0
4900 non-metal. min. nec	103	26	77	---	0
Total primary manufactured goods	4,200	3,595	597	4	4
Subtotal paper products	424	115	305	3	0
5110 newsprint	16	2	11	3	0
5120 paper & paperboard	313	67	246	0	0
5190 paper products nec	95	46	48	0	0
Subtotal lime, cement and glass	620	514	104	0	2
5210 lime	0	0	0	---	---
5220 cement & concrete	15	1	14	0	---
5240 glass & glass prod.	116	88	27	---	1
5290 misc. mineral prod.	489	425	63	0	1
Subtotal primary iron and steel products	2,180	2,147	33	0	1
5312 pig iron	10	7	3	---	---
5315 ferro alloys	18	17	1	---	---
5320 i&s primary forms	1,398	1,397	1	---	0
5330 i&s plates & sheets	342	332	9	---	1
5360 i&s bars & shapes	116	111	5	0	---
5370 i&s pipe & tube	220	210	10	0	0
5390 primary i&s nec	76	73	3	0	---
Subtotal primary non-ferrous metal products	849	701	147	0	1
5421 copper	60	26	34	0	0
5422 aluminum	62	14	48	0	0
5429 smelted prod. nec	26	12	15	---	0
5480 fab. metal products	700	648	50	0	1
Subtotal primary wood products	126	119	8	0	---
5540 primary wood prod.	126	119	8	0	---
Total food and farm products	3,963	1,938	1,995	9	22
Subtotal fish	175	133	38	1	3
6134 fish (not shellfish)	70	45	21	1	3
6136 shellfish	105	88	17	---	---
Subtotal grain	75	65	9	1	0
6241 wheat	0	0	0	---	---
6344 corn	6	1	5	---	---
6442 rice	67	64	3	---	0
6443 barley & rye	1	0	0	1	---
6445 oats	0	---	---	0	---

LOS ANGELES HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
6447 sorghum grains	1	---	1	---	0
Subtotal oilseeds	23	6	17	0	---
6521 peanuts	1	---	1	---	---
6522 soybeans	12	0	12	---	---
6590 oilseeds nec	10	6	3	0	---
Subtotal vegetable products	299	137	162	0	0
6653 vegetable oils	80	40	41	---	0
6654 vegetables & prod.	219	97	121	0	0
Subtotal processed grain and animal feed	567	47	517	3	1
6746 wheat flour	2	1	1	0	---
6747 grain mill products	61	33	24	3	0
6781 hay & fodder	338	0	337	---	---
6782 animal feed, prep.	166	12	154	---	0
Subtotal other agricultural products	2,823	1,550	1,252	4	18
6811 meat, fresh, frozen	341	160	180	0	0
6817 meat, prepared	14	5	8	---	0
6822 dairy products	20	5	15	---	0
6835 fish, prepared	72	63	8	0	1
6838 tallow, animal oils	34	0	34	---	---
6839 animals & prod. nec	103	41	62	0	0
6856 bananas & plantains	501	501	1	---	---
6857 fruit & nuts nec	396	180	216	0	0
6858 fruit juices	161	112	48	0	0
6861 sugar	43	42	1	---	---
6865 molasses	27	27	0	---	---
6871 coffee	59	54	4	0	1
6872 cocoa beans	21	21	0	---	---
6885 alcoholic beverages	292	161	122	0	9
6888 water & ice	85	72	13	0	0
6889 food products nec	207	88	111	2	6
6891 tobacco & products	36	3	32	---	---
6893 cotton	398	6	392	0	---
6894 natural fibers nec	1	1	0	---	---
6899 farm products nec	12	6	6	0	0
Total all manufactured equipment, machinery and products	6,919	5,987	924	3	5
7110 machinery (not elec)	817	609	207	0	1
7120 electrical machinery	1,444	1,276	167	0	1
7210 vehicles & parts	766	598	165	2	0
7220 aircraft & parts	4	1	3	---	0
7230 ships & boats	5	3	2	0	0
7300 ordnance & access.	7	1	6	---	---
7400 manufac. wood prod.	83	72	10	0	0
7500 textile products	851	750	100	0	0
7600 rubber & plastic pr.	681	556	122	0	2
7900 manufac. prod. nec	2,262	2,121	140	0	1
Total unknown or not elsewhere classified	117	65	46	0	5
9900 unknown or nec	117	65	46	0	5

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	17,931	13,286	3,015	328	774	528
Total petroleum and petroleum products	13,119	9,789	1,792	249	772	516
Subtotal crude petroleum	4,546	4,136	154	39	91	126
2100 crude petroleum	4,546	4,136	154	39	91	126
Subtotal petroleum products	8,573	5,654	1,638	211	680	390
2211 gasoline	3,393	3,021	349	---	7	17
2330 distillate fuel oil	2,530	1,687	736	32	23	52
2340 residual fuel oil	2,147	464	537	178	647	321
2350 lube oil & greases	310	300	6	---	4	0
2429 naphtha & solvents	13	13	---	---	---	---
2430 asphalt, tar & pitch	167	166	1	---	---	---
2540 petroleum coke	2	2	---	---	---	---
2640 liquid natural gas	0	0	0	---	---	---
2990 petro. products nec	9	0	9	---	---	---
Total chemicals and related products	661	589	69	---	---	3
Subtotal fertilizers	3	---	3	---	---	---
3190 fert. & mixes nec	3	---	3	---	---	---
Subtotal other chemicals and related products	657	589	65	---	---	3
3212 benzene & toluene	10	10	---	---	---	---
3219 other hydrocarbons	1	---	---	---	---	---
3220 alcohols	36	34	2	---	---	---
3260 organic comp. nec	14	14	---	---	---	---
3274 sodium hydroxide	107	104	---	---	---	3
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	---	---
3281 radioactive material	0	0	---	---	---	---
3282 pigments & paints	13	0	12	---	---	---
3284 medicines	5	0	5	---	---	---
3285 perfumes & cleansers	24	0	24	---	---	---
3286 plastics	1	---	1	---	---	---
3291 pesticides	1	---	1	---	---	---
3293 explosives	1	---	1	---	---	---
3297 chemical additives	434	414	20	---	---	---
3298 wood & resin chem.	11	11	---	---	---	---

LOS ANGELES HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total crude materials, inedible except fuels	2,633	2,550	82	---	---	---
Subtotal forest products, wood and chips	14	1	14	---	---	---
4189 lumber	13	1	12	---	---	---
4190 forest products nec	1	---	1	---	---	---
Subtotal pulp and waste paper	1	0	1	---	---	---
4225 pulp & waste paper	1	0	1	---	---	---
Subtotal soil, sand, gravel, rock and stone	2,595	2,530	65	---	---	---
4331 sand & gravel	2,576	2,512	64	---	---	---
4338 soil & fill dirt	19	18	1	---	---	---
Subtotal iron ore and scrap	20	20	---	---	---	---
4420 iron & steel scrap	20	20	---	---	---	---
Subtotal non-ferrous ores and scrap	0	---	0	---	---	---
4630 copper ore	0	---	0	---	---	---
Subtotal other non-metal. min.	3	---	3	---	---	---
4900 non-metal. min. nec	3	---	3	---	---	---
Total primary manufactured goods	220	11	209	---	0	0
Subtotal paper products	36	0	36	---	---	---
5110 newsprint	0	---	0	---	---	---
5120 paper & paperboard	11	0	11	---	---	---
5190 paper products nec	24	0	24	---	---	---
Subtotal lime, cement and glass	77	0	77	---	---	---
5220 cement & concrete	18	---	18	---	---	---
5240 glass & glass prod.	0	---	0	---	---	---
5290 misc. mineral prod.	58	0	58	---	---	---
Subtotal primary iron and steel products	0	---	0	---	---	---
5370 i&s pipe & tube	0	---	0	---	---	---
Subtotal primary non-ferrous metal products	107	10	96	---	0	0
5480 fab. metal products	107	10	96	---	0	0
Subtotal primary wood products	1	0	1	---	---	---
5540 primary wood prod.	1	0	1	---	---	---
Total food and farm products	657	177	390	78	2	8
Subtotal fish	80	1	1	78	---	---
6134 fish (not shellfish)	80	1	1	78	---	---
6136 shellfish	0	---	---	0	---	---
Subtotal grain	1	---	1	---	---	---
6442 rice	1	---	1	---	---	---
Subtotal vegetable products	48	5	43	---	---	---
6654 vegetables & prod.	48	5	43	---	---	---
Subtotal processed grain and animal feed	25	1	24	---	---	---
6746 wheat flour	11	---	11	---	---	---
6747 grain mill products	2	---	2	---	---	---
6781 hay & fodder	1	---	1	---	---	---
6782 animal feed, prep.	11	1	10	---	---	---
Subtotal other agricultural products	503	171	322	---	2	8
6811 meat, fresh, frozen	46	0	46	---	---	---
6822 dairy products	9	0	9	---	---	---
6839 animals & prod. nec	2	2	1	---	---	---
6856 bananas & plantains	10	0	10	---	---	---
6857 fruit & nuts nec	12	0	12	---	---	---
6858 fruit juices	103	100	3	---	---	---
6861 sugar	0	---	0	---	---	---
6865 molasses	44	35	---	---	---	8
6871 coffee	1	0	1	---	---	---
6885 alcoholic beverages	91	0	91	---	---	---
6887 groceries	17	0	17	---	---	---
6888 water & ice	2	---	0	---	2	0
6889 food products nec	158	29	129	---	0	---
6891 tobacco & products	3	0	3	---	---	---
6899 farm products nec	4	4	0	---	---	---
Total all manufactured equipment, machinery and products	641	169	471	1	0	0
7110 machinery (not elec)	46	11	34	---	0	0
7120 electrical machinery	18	1	17	---	---	---
7210 vehicles & parts	102	41	60	---	---	---
7220 aircraft & parts	0	0	0	---	---	---
7230 ships & boats	1	0	1	---	---	---
7400 manufac. wood prod.	17	14	3	---	---	---
7500 textile products	12	5	7	---	---	---
7600 rubber & plastic pr.	11	2	9	---	---	---
7900 manufac. prod. nec	435	95	340	1	0	0
Total unknown or not elsewhere classified	2	0	1	---	---	---
9900 unknown or nec	2	0	1	---	---	---

PORT HUENEME, CA

Section Included: Harbor at Port Hueneme. Project Depths: 40 feet in approach channel; 36 feet in entrance channel; 35 feet in Channel Basin and Channel A. Controlling Depth: 40 feet in approach channel; 36 feet in entrance channel; 35 feet in Central Basin and Channel A.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	513	1990	574	1993	696	1996	943
1988	623	1991	416	1994	814		
1989	749	1992	474	1995	1,076		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise		Internal	
					Receipts	Shipments	Receipts	Shipments
Total, all commodities	943	566	214	163	59	44	55	4
Total petroleum and petroleum products	82	---	0	82	56	26	---	---
Subtotal petroleum products	82	---	0	82	56	26	---	---
2330 distillate fuel oil	0	---	---	0	---	0	---	---
2340 residual fuel oil	82	---	---	82	56	26	---	---
2350 lube oil & greases	0	---	0	---	---	---	---	---
Total chemicals and related products	1	0	0	---	---	---	---	---
Subtotal fertilizers	0	---	0	---	---	---	---	---
3110 nitrogenous fert.	0	---	0	---	---	---	---	---
Subtotal other chemicals and related products	1	0	0	---	---	---	---	---
3219 other hydrocarbons	0	---	0	---	---	---	---	---
3220 alcohols	0	0	---	---	---	---	---	---
3230 carboxylic acids	0	0	0	---	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	---	---	---	---
3276 metallic salts	0	0	0	---	---	---	---	---
3279 inorganic chem. nec	0	0	---	---	---	---	---	---
3282 pigments & paints	0	0	0	---	---	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---	---	---
3284 medicines	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	70	69	1	---	---	---	---	---
Subtotal forest products, wood and chips	0	0	0	---	---	---	---	---
4110 rubber & gums	0	---	0	---	---	---	---	---
4189 lumber	0	0	0	---	---	---	---	---
4190 forest products nec	0	0	0	---	---	---	---	---
Subtotal pulp and waste paper	69	69	---	---	---	---	---	---
4225 pulp & waste paper	69	69	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	0	---	0	---	---	---	---	---
4331 sand & gravel	0	---	0	---	---	---	---	---
Subtotal non-ferrous ores and scrap	0	0	---	---	---	---	---	---
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	---	---	---	---	---
Total primary manufactured goods	4	3	0	0	0	0	0	0
Subtotal paper products	0	0	0	---	---	---	---	---
5120 paper & paperboard	0	0	0	---	---	---	---	---
5190 paper products nec	0	0	0	---	---	---	---	---
Subtotal lime, cement and glass	0	0	---	---	---	---	---	---
5240 glass & glass prod.	0	0	0	---	---	---	---	---
5290 misc. mineral prod.	0	0	0	---	---	---	---	---
Subtotal primary iron and steel products	2	2	---	---	---	---	---	---
5312 pig iron	0	0	---	---	---	---	---	---
5330 i&s plates & sheets	0	0	---	---	---	---	---	---
5360 i&s bars & shapes	2	2	---	---	---	---	---	---
5370 i&s pipe & tube	0	0	---	---	---	---	---	---
5390 primary i&s nec	0	0	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	0	0	0	0	0	0	0	0
5421 copper	0	0	---	---	---	---	---	---
5429 smelted prod. nec	0	0	---	---	---	---	---	---
5480 fab. metal products	0	0	0	0	0	0	0	0
Subtotal primary wood products	0	0	---	---	---	---	---	---
5540 primary wood prod.	0	0	---	---	---	---	---	---

PORT HUENEME, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise		Internal	
					Receipts	Shipments	Receipts	Shipments
Total food and farm products	562	313	196	52	---	---	52	---
Subtotal fish	53	0	0	52	---	---	52	---
6134 fish (not shellfish)	52	0	0	52	---	---	52	---
6136 shellfish	0	0	0	0	---	---	0	---
Subtotal grain	0	0	---	---	---	---	---	---
6442 rice	0	0	---	---	---	---	---	---
Subtotal oilseeds	0	0	---	---	---	---	---	---
6590 oilseeds nec	0	0	---	---	---	---	---	---
Subtotal vegetable products	7	0	7	---	---	---	---	---
6654 vegetables & prod.	7	0	7	---	---	---	---	---
Subtotal processed grain and animal feed	0	0	0	---	---	---	---	---
6747 grain mill products	0	0	0	---	---	---	---	---
6782 animal feed, prep.	0	0	0	---	---	---	---	---
Subtotal other agricultural products	502	313	189	---	---	---	---	---
6811 meat, fresh, frozen	0	0	0	---	---	---	---	---
6835 fish, prepared	0	0	---	---	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---	---
6856 bananas & plantains	293	293	---	---	---	---	---	---
6857 fruit & nuts nec	206	18	188	---	---	---	---	---
6858 fruit juices	0	0	0	---	---	---	---	---
6871 coffee	0	0	---	---	---	---	---	---
6885 alcoholic beverages	1	1	0	---	---	---	---	---
6889 food products nec	0	0	---	---	---	---	---	---
6891 tobacco & products	0	0	---	---	---	---	---	---
6893 cotton	0	---	0	---	---	---	---	---
6899 farm products nec	0	0	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	222	178	16	28	4	18	3	4
7110 machinery (not elec)	45	16	0	28	4	18	3	4
7120 electrical machinery	2	2	0	---	---	---	---	---
7210 vehicles & parts	173	159	14	---	---	---	---	---
7220 aircraft & parts	0	0	---	---	---	---	---	---
7230 ships & boats	0	0	0	---	---	---	---	---
7400 manufac. wood prod.	0	0	---	---	---	---	---	---
7500 textile products	1	0	0	---	---	---	---	---
7600 rubber & plastic pr.	0	0	0	---	---	---	---	---
7900 manufac. prod. nec	1	0	1	0	0	0	---	---
Total unknown or not elsewhere classified	2	2	0	---	---	---	---	---
9900 unknown or nec	2	2	0	---	---	---	---	---

Other Harbors and Waterways 1996

Harbor or Waterway Project	Commodity	Thousand Short Tons
MISSION BAY, CA	6134 fish (not shellfish)	1
	6136 shellfish	0
	Total Tons(x1000)	1
MORRO BAY HARBOR, CA	6134 fish (not shellfish)	2
	6136 shellfish	0
	Total Tons(x1000)	3
NEWPORT BAY HARBOR, CA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
REDONDO BEACH, CA	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
SANTA BARBARA HARBOR, CA	6134 fish (not shellfish)	5
	6136 shellfish	1
	Total Tons(x1000)	5
Non-project		
ELLWOOD, CA	2100 crude petroleum	237
	2330 distillate fuel oil	0
	3293 explosives	0
	5480 fab. metal products	0
	6888 water & ice	0
	7110 machinery (not elec)	22
	7210 vehicles & parts	0
	7230 ships & boats	0
	7900 manufac. prod. nec	1
	Total Tons(x1000)	261

SACRAMENTO RIVER, CA (INCLUDING COMMERCE OF SACRAMENTO RIVER DEEPWATER SHIP CHANNEL AND THE PORT OF SACRAMENTO, CA)

Section Included: From mouth of river to Red Bluff via river route, a distance of 248 miles; from mouth of Cache Slough to Washington Lake via Sacramento River Deepwater Ship Channel, a distance of 29.9 miles. Controlling Depth: Mouth of river to Cache Slough, 29 feet; mouth of Cache Slough to Washington Lake via Sacramento River Deepwater Ship Channel, 29 feet.; mouth of Cache Slough to Sacramento via river route, 10 feet; Sacramento to Colusa, 6 feet in low water season; Colusa to Chico Landing, 3 feet.; Chico Landing to Red Bluff, 1.5 feet. Project Depth: 30 feet from mouth of river to Cache Slough; 30 feet from Cache Slough to Washington Lake via Sacramento River Deepwater Ship Channel; 10 feet from mouth of Cache Slough to Sacramento via river route; 6 feet from Sacramento to Colusa; 5 feet. from Colusa to Chico Landing; such depths as practicable from Chico Landing to Red Bluff.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,400	1990	1,574	1993	1,094	1996	1,289
1988	1,520	1991	1,335	1994	1,573		
1989	1,440	1992	1,160	1995	1,171		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
					Receipts	Inbound	Upbound
Total, all commodities	1,289	124	920	10	235	208	27
Total petroleum and petroleum products	22	0	22	---	---	---	---
Subtotal petroleum products	22	0	22	---	---	---	---
2221 kerosene	22	---	22	---	---	---	---
2350 lube oil & greases	0	0	0	---	---	---	---
Total chemicals and related products	318	101	0	10	208	208	---
Subtotal fertilizers	175	97	---	---	78	78	---
3110 nitrogenous fert.	139	61	---	---	78	78	---
3190 fert. & mixes nec	36	36	---	---	---	---	---
Subtotal other chemicals and related products	143	4	0	10	130	130	---
3273 ammonia	139	---	---	10	130	130	---
3275 inorg. elem., oxides, & halogen salts	0	0	0	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---
3286 plastics	0	0	---	---	---	---	---
3292 starches, gluten, glue	0	---	0	---	---	---	---
3299 chem. products nec	4	4	0	---	---	---	---
Total crude materials, inedible except fuels	417	---	389	---	27	---	27
Subtotal forest products, wood and chips	367	---	367	---	---	---	---
4161 wood chips	328	---	328	---	---	---	---
4170 wood in the rough	37	---	37	---	---	---	---
4189 lumber	2	---	2	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	21	---	---	---	21	---	21
4331 sand & gravel	21	---	---	---	21	---	21
Subtotal marine shells	6	---	---	---	6	---	6
4515 marine shells	6	---	---	---	6	---	6
Subtotal non-ferrous ores and scrap	16	---	16	---	---	---	---
4690 non-ferrous ores nec	16	---	16	---	---	---	---
Subtotal sulphur, clay and salt	6	---	6	---	---	---	---
4782 clay & refrac. mat.	6	---	6	---	---	---	---
Total primary manufactured goods	22	22	0	---	---	---	---
Subtotal paper products	2	2	0	---	---	---	---
5110 newsprint	2	2	---	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---
5190 paper products nec	0	0	---	---	---	---	---
Subtotal lime, cement and glass	0	0	---	---	---	---	---
5240 glass & glass prod.	0	0	---	---	---	---	---
5290 misc. mineral prod.	0	0	---	---	---	---	---
Subtotal primary iron and steel products	20	20	0	---	---	---	---
5330 i&s plates & sheets	18	18	---	---	---	---	---
5360 i&s bars & shapes	1	1	---	---	---	---	---
5390 primary i&s nec	0	---	0	---	---	---	---
Subtotal primary non-ferrous metal products	0	0	---	---	---	---	---
5480 fab. metal products	0	0	---	---	---	---	---
Total food and farm products	509	0	509	---	---	---	---
Subtotal grain	497	---	497	---	---	---	---
6241 wheat	52	---	52	---	---	---	---
6442 rice	445	---	445	---	---	---	---
Subtotal oilseeds	6	---	6	---	---	---	---
6590 oilseeds nec	6	---	6	---	---	---	---
Subtotal vegetable products	6	0	6	---	---	---	---
6653 vegetable oils	6	---	6	---	---	---	---
6654 vegetables & prod.	0	0	0	---	---	---	---
Subtotal processed grain and animal feed	0	0	---	---	---	---	---
6747 grain mill products	0	0	---	---	---	---	---
Subtotal other agricultural products	0	0	0	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	0	0	---	---	---	---
6858 fruit juices	0	0	---	---	---	---	---
6889 food products nec	0	0	---	---	---	---	---

SACRAMENTO RIVER, CA (INCLUDING COMMERCE OF SACRAMENTO RIVER DEEPWATER SHIP CHANNEL AND THE PORT OF SACRAMENTO, CA)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
					Receipts		Inbound
Total all manufactured equipment, machinery and products	1	1	0	---	---	---	---
7110 machinery (not elec)	0	0	0	---	---	---	---
7120 electrical machinery	0	0	0	---	---	---	---
7210 vehicles & parts	0	0	---	---	---	---	---
7400 manufac. wood prod.	0	0	---	---	---	---	---
7500 textile products	0	0	0	---	---	---	---
7600 rubber & plastic pr.	0	0	---	---	---	---	---
7900 manufac. prod. nec	0	0	0	---	---	---	---
Ton-miles (x1000)	106,715	10,675	77,346	818	17,875	17,875	0

Tons All Traffic (x1000) 1,289
Ton-miles All Traffic (x1000) 106,715

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA (INCLUDED IN SACRAMENTO RIVER, CA)

Section Included: A Deepwater Ship Channel from Suisun Bay to the Inland Harbor at Sacramento, a distance of 43 miles; a triangular shaped deep draft harbor and turning basin located at West Sacramento; a 1.5 mile-long barge canal with navigation lock connecting the deep draft harbor with the Sacramento River. Controlling Depth: 29 feet in the Deepwater Ship Channel and triangular shaped harbor and turning basin, 13 feet in the barge canal. Project Depth: 30 feet in the Deepwater Ship Channel and triangular shaped harbor and turning basin; 13 feet in the barge canal.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,220	1990	1,359	1993	1,078	1996	1,240
1988	1,398	1991	1,197	1994	1,542		
1989	1,287	1992	1,136	1995	1,131		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports	Exports	Imports	Coastwise Receipts
Total, all commodities	1,240	124	898	10	208
Total petroleum and petroleum products	0	0	0	---	---
Subtotal petroleum products	0	0	0	---	---
2350 lube oil & greases	0	0	0	---	---
Total chemicals and related products	318	101	0	10	208
Subtotal fertilizers	175	97	---	---	78
3110 nitrogenous fert.	139	61	---	---	78
3190 fert. & mixes nec	36	36	---	---	---
Subtotal other chemicals and related products	143	4	0	10	130
3273 ammonia	139	---	---	10	130
3275 inorg. elem., oxides, & halogen salts	0	0	0	---	---
3285 perfumes & cleansers	0	---	0	---	---
3286 plastics	0	0	---	---	---
3292 starches, gluten, glue	0	---	0	---	---
3299 chem. products nec	4	4	0	---	---
Total crude materials, inedible except fuels	389	---	389	---	---
Subtotal forest products, wood and chips	367	---	367	---	---
4161 wood chips	328	---	328	---	---
4170 wood in the rough	2	---	37	---	---
4189 lumber	37	---	2	---	---
Subtotal non-ferrous ores and scrap	16	---	16	---	---
4690 non-ferrous ores nec	16	---	16	---	---
Subtotal sulphur, clay and salt	6	---	6	---	---
4782 clay & refrac. mat.	6	---	6	---	---
Total primary manufactured goods	22	22	0	---	---
Subtotal paper products	2	2	0	---	---
5110 newsprint	2	2	---	---	---
5120 paper & paperboard	0	---	0	---	---
5190 paper products nec	0	0	---	---	---
Subtotal lime, cement and glass	0	0	---	---	---
5240 glass & glass prod.	0	0	---	---	---
5290 misc. mineral prod.	0	0	---	---	---
Subtotal primary iron and steel products	20	20	0	---	---
5330 i&s plates & sheets	18	18	---	---	---
5360 i&s bars & shapes	1	1	---	---	---
5390 primary i&s nec	0	---	0	---	---
Subtotal primary non-ferrous metal products	0	0	---	---	---
5480 fab. metal products	0	0	---	---	---
Total food and farm products	509	0	509	---	---
Subtotal grain	497	---	497	---	---
6241 wheat	52	---	52	---	---
6442 rice	445	---	445	---	---
Subtotal oilseeds	6	---	6	---	---
6590 oilseeds nec	6	---	6	---	---

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA (INCLUDED IN SACRAMENTO RIVER, CA)
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports	Exports	Imports	Coastwise Receipts
Subtotal vegetable products	6	0	6	---	---
6653 vegetable oils	6	---	6	---	---
6654 vegetables & prod.	0	0	0	---	---
Subtotal processed grain and animal feed	0	0	---	---	---
6747 grain mill products	0	0	---	---	---
Subtotal other agricultural products	0	0	0	---	---
6811 meat, fresh, frozen	0	---	0	---	---
6857 fruit & nuts nec	0	0	0	---	---
6858 fruit juices	0	0	---	---	---
6889 food products nec	0	0	---	---	---
Total all manufactured equipment, machinery and products	1	1	0	---	---
7110 machinery (not elec)	0	0	0	---	---
7120 electrical machinery	0	0	0	---	---
7210 vehicles & parts	0	0	---	---	---
7400 manufac. wood prod.	0	0	---	---	---
7500 textile products	0	0	0	---	---
7600 rubber & plastic pr.	0	0	---	---	---
7900 manufac. prod. nec	0	0	0	---	---
Ton-miles (x1000)	50,834	5,089	36,833	390	8,522
Tons All Traffic (x1000)					1,240
Ton-miles All Traffic (x1000)					50,834

SACRAMENTO, CA (INCLUDED IN SACRAMENTO RIVER, CA)

Section Included: A triangular shaped harbor and turning basin at Washington Lake, West Sacramento, adjacent to channel; a connecting barge canal to the Sacramento River shallow draft channel; thence upstream to a point approximately 6.6 miles upstream at Bryce. Controlling Depth: 29 feet in the deepwater channel harbor and turning basin; 13 feet in the connecting barge canal; 10 feet in the shallow draft channel. Project Depth: 30 feet in the deepwater channel harbor and turning basin; 13 feet in the connecting barge canal; 10 feet in the shallow draft channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,227	1990	1,485	1993	1,078	1996	1,240
1988	1,443	1991	1,226	1994	1,545		
1989	1,295	1992	1,136	1995	1,137		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports	Exports	Imports	Coastwise Receipts
Total, all commodities	1,240	124	898	10	208
Total petroleum and petroleum products	0	0	0	---	---
Subtotal petroleum products	0	0	0	---	---
2350 lube oil & greases	0	0	0	---	---
Total chemicals and related products	318	101	0	10	208
Subtotal fertilizers	175	97	---	---	78
3110 nitrogenous fert.	139	61	---	---	78
3190 fert. & mixes nec	36	36	---	---	---
Subtotal other chemicals and related products	143	4	0	10	130
3273 ammonia	139	---	---	10	130
3275 inorg. elem., oxides, & halogen salts	0	0	0	---	---
3285 perfumes & cleansers	0	---	0	---	---
3286 plastics	0	0	---	---	---
3292 starches, gluten, glue	0	---	0	---	---
3299 chem. products nec	4	4	0	---	---
Total crude materials, inedible except fuels	389	---	389	---	---
Subtotal forest products, wood and chips	367	---	367	---	---
4161 wood chips	328	---	328	---	---
4170 wood in the rough	37	---	37	---	---
4189 lumber	2	---	2	---	---
Subtotal non-ferrous ores and scrap	16	---	16	---	---
4690 non-ferrous ores nec	16	---	16	---	---
Subtotal sulphur, clay and salt	6	---	6	---	---
4782 clay & refrac. mat.	6	---	6	---	---
Total primary manufactured goods	22	22	0	---	---
Subtotal paper products	2	2	0	---	---
5110 newsprint	2	2	---	---	---
5120 paper & paperboard	0	---	0	---	---
5190 paper products nec	0	0	---	---	---
Subtotal lime, cement and glass	0	0	---	---	---
5240 glass & glass prod.	0	0	---	---	---
5290 misc. mineral prod.	0	0	---	---	---
Subtotal primary iron and steel products	20	20	0	---	---
5330 i&s plates & sheets	18	18	---	---	---
5360 i&s bars & shapes	1	1	---	---	---
5390 primary i&s nec	0	---	0	---	---

SACRAMENTO, CA (INCLUDED IN SACRAMENTO RIVER, CA)
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic
		Imports	Exports	Imports	Coastwise Receipts
Subtotal primary non-ferrous metal products	0	0	---	---	---
5480 fab. metal products	0	0	---	---	---
Total food and farm products	509	0	509	---	---
Subtotal grain	497	---	497	---	---
6241 wheat	52	---	52	---	---
6442 rice	445	---	445	---	---
Subtotal oilseeds	6	---	6	---	---
6590 oilseeds nec	6	---	6	---	---
Subtotal vegetable products	6	0	6	---	---
6653 vegetable oils	6	---	6	---	---
6654 vegetables & prod.	0	0	0	---	---
Subtotal processed grain and animal feed	0	0	---	---	---
6747 grain mill products	0	0	---	---	---
Subtotal other agricultural products	0	0	0	---	---
6811 meat, fresh, frozen	0	---	0	---	---
6857 fruit & nuts nec	0	0	0	---	---
6858 fruit juices	0	0	---	---	---
6889 food products nec	0	0	---	---	---
Total all manufactured equipment, machinery and products	1	1	0	---	---
7110 machinery (not elec)	0	0	0	---	---
7120 electrical machinery	0	0	0	---	---
7210 vehicles & parts	0	0	---	---	---
7400 manufac. wood prod.	0	0	---	---	---
7500 textile products	0	0	0	---	---
7600 rubber & plastic pr.	0	0	---	---	---
7900 manufac. prod. nec	0	0	0	---	---

SAN JOAQUIN RIVER, CA (INCLUDING COMMERCE OF PORT OF STOCKTON, CA)

Section Included: From mouth of New York Slough to city of Stockton, 41 miles; from Stockton Channel to Hills Ferry, 84 miles. Controlling Depth: mouth of river to Mormon Channel, Stockton, 35 feet; other connecting channels, 2 feet to 9 feet; to Edison Street, 22 feet. Project Depth: 35 feet from the mouth of New York Slough to Mormon Channel at Stockton; 30 feet from Mormon Channel to Edison Street; other connecting channels, 9 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	3,771	1990	3,491	1993	2,493	1996	2,716
1988	3,284	1991	3,345	1994	3,337		
1989	3,819	1992	3,530	1995	3,315		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
					Receipts	Inbound	Upbound
Total, all commodities	2,716	1,459	832	194	231	159	71
Total petroleum and petroleum products	470	---	470	---	1	---	1
Subtotal petroleum products	470	---	470	---	1	---	1
2340 residual fuel oil	1	---	---	---	1	---	1
2540 petroleum coke	470	---	470	---	---	---	---
Total chemicals and related products	565	211	0	194	159	159	---
Subtotal fertilizers	221	166	---	---	55	55	---
3110 nitrogenous fert.	96	41	---	---	55	55	---
3190 fert. & mixes nec	125	125	---	---	---	---	---
Subtotal other chemicals and related products	344	46	0	194	104	104	---
3260 organic comp. nec	26	26	---	---	---	---	---
3273 ammonia	273	14	---	190	70	70	---
3274 sodium hydroxide	39	---	---	4	34	34	---
3276 metallic salts	5	5	---	---	---	---	---
3282 pigments & paints	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	517	348	169	---	0	---	0
Subtotal forest products, wood and chips	0	---	---	---	0	---	0
4170 wood in the rough	0	---	---	---	0	---	0
Subtotal pulp and waste paper	0	---	0	---	---	---	---
4225 pulp & waste paper	0	---	0	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	336	336	---	---	---	---	---
4323 gypsum	336	336	---	---	---	---	---
Subtotal iron ore and scrap	37	---	37	---	---	---	---
4420 iron & steel scrap	37	---	37	---	---	---	---

SAN JOAQUIN RIVER, CA (INCLUDING COMMERCE OF PORT OF STOCKTON, CA)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
					Receipts	Inbound	Upbound
Subtotal non-ferrous ores and scrap	12	12	---	---	---	---	---
4680 non-ferrous scrap	6	6	---	---	---	---	---
4690 non-ferrous ores nec	6	6	---	---	---	---	---
Subtotal sulphur, clay and salt	132	---	132	---	---	---	---
4741 sulphur, (dry)	132	---	132	---	---	---	---
Total primary manufactured goods	795	789	6	---	0	---	0
Subtotal paper products	0	0	0	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---
5190 paper products nec	0	0	0	---	---	---	---
Subtotal lime, cement and glass	0	0	---	---	0	---	0
5240 glass & glass prod.	0	0	---	---	---	---	---
5290 misc. mineral prod.	0	0	---	---	0	---	0
Subtotal primary iron and steel products	794	789	5	---	---	---	---
5330 i&s plates & sheets	782	782	---	---	---	---	---
5360 i&s bars & shapes	2	---	2	---	---	---	---
5370 i&s pipe & tube	11	8	3	---	---	---	---
5390 primary i&s nec	0	---	0	---	---	---	---
Subtotal primary non-ferrous metal products	1	0	1	---	---	---	---
5421 copper	1	---	1	---	---	---	---
5480 fab. metal products	0	0	---	---	---	---	---
Subtotal primary wood products	0	---	0	---	---	---	---
5540 primary wood prod.	0	---	0	---	---	---	---
Total food and farm products	367	110	187	---	71	---	71
Subtotal grain	155	0	154	---	---	---	---
6241 wheat	82	---	82	---	---	---	---
6442 rice	72	0	72	---	---	---	---
Subtotal oilseeds	32	0	32	---	---	---	---
6590 oilseeds nec	32	0	32	---	---	---	---
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	180	109	1	---	71	---	71
6811 meat, fresh, frozen	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---
6858 fruit juices	0	0	0	---	---	---	---
6861 sugar	40	40	---	---	---	---	---
6865 molasses	139	68	---	---	71	---	71
6871 coffee	0	0	---	---	---	---	---
6885 alcoholic beverages	0	0	0	---	---	---	---
6889 food products nec	0	0	0	---	---	---	---
Total all manufactured equipment, machinery and products	1	1	0	---	---	---	---
7110 machinery (not elec)	0	0	0	---	---	---	---
7120 electrical machinery	0	0	0	---	---	---	---
7210 vehicles & parts	0	0	0	---	---	---	---
7400 manufac. wood prod.	0	0	---	---	---	---	---
7500 textile products	0	0	0	---	---	---	---
7600 rubber & plastic pr.	0	0	0	---	---	---	---
7900 manufac. prod. nec	0	0	0	---	---	---	---
Ton-miles (x1000)	50,788	16,275	18,290	7,967	8,256	5,288	2,968
Tons All Traffic (x1000)	2,716						
Ton-miles All Traffic (x1000)	50,788						

STOCKTON, CA (INCLUDED IN SAN JOAQUIN RIVER, CA)

Section Included: Harbor at Stockton (and vicinity). Controlling Depth: 35 feet in Stockton Channel up to mouth of Mormon Channel; 8 feet in Mormon Channel; 8 feet in Fremont Channel, McLeod Lake and in the head of Stockton Channel. Project Depth: (Included in San Joaquin River project).

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,389	1990	1,732	1993	1,103	1996	1,143
1988	1,375	1991	1,491	1994	1,609		
1989	2,138	1992	1,719	1995	1,320		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
						Receipts	Receipts
Total, all commodities	1,143	332	426	190	196	125	71
Total petroleum and petroleum products	63	---	63	---	---	---	---
Subtotal petroleum products	63	---	63	---	---	---	---
2540 petroleum coke	63	---	63	---	---	---	---
Total chemicals and related products	500	185	0	190	125	125	---
Subtotal fertilizers	221	166	---	---	55	55	---
3110 nitrogenous fert.	96	41	---	---	55	55	---
3190 fert. & mixes nec	125	125	---	---	---	---	---
Subtotal other chemicals and related products	279	19	0	190	70	70	---
3273 ammonia	273	14	---	190	70	70	---
3276 metallic salts	5	5	---	---	---	---	---
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	198	29	169	---	0	---	0
Subtotal forest products, wood and chips	0	---	---	---	0	---	0
4170 wood in the rough	0	---	---	---	0	---	0
Subtotal pulp and waste paper	0	---	0	---	---	---	---
4225 pulp & waste paper	0	---	0	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	29	29	---	---	---	---	---
4323 gypsum	29	29	---	---	---	---	---
Subtotal iron ore and scrap	37	---	37	---	---	---	---
4420 iron & steel scrap	37	---	37	---	---	---	---
Subtotal sulphur, clay and salt	132	---	132	---	---	---	---
4741 sulphur, (dry)	132	---	132	---	---	---	---
Total primary manufactured goods	14	8	6	---	---	---	---
Subtotal paper products	0	---	0	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---
5190 paper products nec	0	---	0	---	---	---	---
Subtotal lime, cement and glass	0	0	---	---	---	---	---
5240 glass & glass prod.	0	0	---	---	---	---	---
5290 misc. mineral prod.	0	0	---	---	---	---	---
Subtotal primary iron and steel products	13	8	5	---	---	---	---
5360 i&s bars & shapes	2	---	2	---	---	---	---
5370 i&s pipe & tube	11	8	3	---	---	---	---
5390 primary i&s nec	0	---	0	---	---	---	---
Subtotal primary non-ferrous metal products	1	0	1	---	---	---	---
5421 copper	1	---	1	---	---	---	---
5480 fab. metal products	0	0	---	---	---	---	---
Subtotal primary wood products	0	---	0	---	---	---	---
5540 primary wood prod.	0	---	0	---	---	---	---
Total food and farm products	367	109	187	---	71	---	71
Subtotal grain	155	0	154	---	---	---	---
6241 wheat	82	---	82	---	---	---	---
6442 rice	72	0	72	---	---	---	---
Subtotal oilseeds	32	---	32	---	---	---	---
6590 oilseeds nec	32	---	32	---	---	---	---
Subtotal vegetable products	0	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	180	109	1	---	71	---	71
6811 meat, fresh, frozen	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---
6858 fruit juices	0	0	0	---	---	---	---
6861 sugar	40	40	---	---	---	---	---
6865 molasses	139	68	---	---	71	---	71
6885 alcoholic beverages	0	---	0	---	---	---	---
6889 food products nec	0	0	0	---	---	---	---
Total all manufactured equipment, machinery and products	1	0	0	---	---	---	---
7110 machinery (not elec)	0	---	0	---	---	---	---
7120 electrical machinery	0	0	0	---	---	---	---
7210 vehicles & parts	0	---	0	---	---	---	---

STOCKTON, CA (INCLUDED IN SAN JOAQUIN RIVER, CA)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Coastwise	Internal
					Receipts	Receipts	Receipts
7400 manufac. wood prod.	0	0	---	---	---	---	---
7500 textile products	0	0	0	---	---	---	---
7600 rubber & plastic pr.	0	0	0	---	---	---	---
7900 manufac. prod. nec	0	0	0	---	---	---	---

Other Harbors and Waterways 1996

Harbor or Waterway Project	Commodity	Thousand Short Tons
MIDDLE RIVER, CA	No Commerce Reported	
MOKELUMNE RIVER, CA	No Commerce Reported	
OLD RIVER, CA	No Commerce Reported	

TOTAL WATERBORNE COMMERCE OF THE SAN FRANCISCO BAY AND DELTA AREAS, CA

Freight Traffic, 1996
(thousand short tons)

Locality	*Foreign		Domestic				Total	Percent	Through Traffic
	Imports	Exports	Coastwise		Internal				
			Receipts	Shipmnts	Receipts Shipmnts	Intraport			
ALVISO SLOUGH, CA	---	---	---	---	0	---	0	0.00	---
BERKELEY, CA	---	---	---	---	0	---	0	0.00	---
CARQUINEZ STRAIT, CA	3,077	1,574	5,255	2,403	5,430	139	17,878	22.12	6,962
COYOTE HILL SLOUGH, CA	---	---	---	---	---	---	---	0.00	---
NAPA RIVER, CA	---	---	---	---	100	---	100	0.12	---
NEWARK SLOUGH, CA	---	---	---	---	---	---	---	0.00	---
OAKLAND HARBOR, CA	2,948	5,702	386	1,096	1,099	---	11,230	13.89	---
OTHER SAN FRANCISCO BAY AREA PORTS, CA	37	647	6,359	---	7,701	130	14,873	18.40	---
PETALUMA RIVER, CA	---	---	---	---	208	---	208	0.26	---
REDWOOD CITY HARBOR, CA	227	286	---	242	230	---	985	1.22	---
RICHMOND HARBOR, CA	3,345	2,022	10,576	2,440	3,186	234	21,803	26.97	---
SACRAMENTO RIVER, CA	134	920	208	---	27	---	1,289	1.59	---
SAN FRANCISCO HARBOR, CA	346	1,071	18	17	531	---	1,982	2.45	---
SAN JOAQUIN RIVER, CA**	1,653	832	159	---	71	0	2,716	3.36	---
SAN PABLO BAY AND MARE ISLAND STRAIT, CA	265	85	1,968	1,735	273	24	4,350	5.38	24,229
SAN RAFAEL CREEK, CA	---	---	---	---	---	---	---	0.00	---
SUISUN BAY CHANNEL, CA	63	165	192	1,390	1,609	---	3,419	4.23	3,988
SUISUN CHANNEL, CA	---	---	---	---	4	---	4	0.01	---
TOTAL (UNADJUSTED)	12,094	13,304	25,120	9,323	20,469	527	80,837	---	35,179
PERCENT (UNADJUSTED)	14.96	16.46	31.08	11.53	25.32	0.65	---	100.00	---
NET VOLUME OF TONNAGE FOR THE AREA***	12,094	13,304	25,120	9,323	10,239	527	70,607	---	---
PERCENT (ADJUSTED)	17.13	18.84	35.58	13.20	14.50	0.75	---	100.00	---

* Not included in the total tonnage of the Bay and Delta Areas.

** Tributaries to San Joaquin River include Mokelumne, Middle, and Old Rivers.

*** Adjusted to net volume by excluding duplication of internal traffic moved between ports and waterways of the San Francisco Bay and Delta Areas.

SAN FRANCISCO BAY ENTRANCE, CA

Section Included: Main ship channel. Controlling Depth: Main ship channel, 55.0 feet. Project Depth: Main ship channel, 55 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	57,582	1990	61,599	1993	65,727	1996	59,850
1988	60,887	1991	61,150	1994	67,220		
1989	64,058	1992	67,119	1995	61,356		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Coastwise		Internal Through Upbound
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
Total, all commodities	59,850	11,406	13,170	688	134	34,452	25,120	9,323	9
Total coal	433	427	6	---	---	---	---	---	---
1100 coal lignite	6	0	6	---	---	---	---	---	---
1200 coal coke	427	427	0	---	---	---	---	---	---
Total petroleum and petroleum products	41,175	4,389	5,176	118	61	31,430	23,484	7,945	---
Subtotal crude petroleum	23,763	3,120	48	66	---	20,529	20,245	284	---
2100 crude petroleum	23,763	3,120	48	66	---	20,529	20,245	284	---
Subtotal petroleum products	17,412	1,269	5,128	53	61	10,901	3,240	7,661	---
2211 gasoline	5,754	113	130	---	18	5,493	1,095	4,398	---
2221 kerosene	587	141	446	---	---	---	---	---	---
2330 distillate fuel oil	3,548	31	382	39	---	3,095	1,253	1,842	---
2340 residual fuel oil	4,396	388	2,150	13	43	1,801	787	1,014	---
2350 lube oil & greases	462	0	64	---	---	397	0	397	---
2410 petro. jelly & waxes	17	1	4	---	---	13	13	0	---
2429 naphtha & solvents	1,119	563	556	---	---	---	---	---	---
2430 asphalt, tar & pitch	523	---	431	---	0	92	92	---	---

SAN FRANCISCO BAY ENTRANCE, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Through Upbound
		Through		Through		Total	Coastwise		
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
2540 petroleum coke	998	33	962	---	---	3	0	3	---
2640 liquid natural gas	1	0	1	---	---	0	0	0	---
2990 petro. products nec	7	---	---	---	---	7	0	7	---
Total chemicals and related products	3,573	1,484	612	507	14	956	879	77	---
Subtotal fertilizers	468	313	8	---	---	147	136	12	---
3110 nitrogenous fert.	274	140	0	---	---	134	134	0	---
3120 phosphatic fert.	0	---	0	---	---	---	---	---	---
3130 potassic fert.	0	0	0	---	---	0	---	0	---
3190 fert. & mixes nec	194	173	7	---	---	13	2	11	---
Subtotal other chemicals and related products	3,105	1,170	605	507	14	809	744	65	---
3211 acyclic hydrocarbons	29	0	27	---	---	2	---	2	---
3212 benzene & toluene	52	15	0	---	7	29	29	---	---
3219 other hydrocarbons	18	3	15	---	---	0	0	0	---
3220 alcohols	202	2	30	150	---	19	18	1	---
3230 carboxylic acids	15	4	10	---	---	0	0	0	---
3240 nitrogen func. comp.	20	3	17	---	---	0	0	---	---
3250 organo- inorganic comp.	33	3	29	---	---	0	---	0	---
3260 organic comp. nec	1,164	980	13	145	---	27	27	0	---
3271 sulphur (liquid)	2	0	2	---	---	1	1	---	---
3272 sulphuric acid	6	---	6	---	---	---	---	---	---
3273 ammonia	431	14	19	199	---	199	199	---	---
3274 sodium hydroxide	195	0	3	13	---	178	177	2	---
3275 inorg. elem., oxides, & halogen salts	37	20	16	---	---	1	0	1	---
3276 metallic salts	40	9	24	---	7	0	0	0	---
3279 inorganic chem. nec	1	1	1	---	---	---	---	---	---
3281 radioactive material	2	0	2	---	---	0	0	---	---
3282 pigments & paints	38	2	30	---	---	7	0	7	---
3283 coloring mat. nec	2	1	1	---	---	---	---	---	---
3284 medicines	8	1	6	---	---	1	0	1	---
3285 perfumes & cleansers	73	4	49	---	---	21	0	21	---
3286 plastics	273	43	219	---	---	11	9	2	---
3291 pesticides	8	3	4	---	---	1	---	1	---
3292 starches, gluten, glue	69	31	38	0	---	0	---	0	---
3293 explosives	3	1	0	---	---	1	0	1	---
3297 chemical additives	301	0	20	---	---	282	277	5	---
3298 wood & resin chem.	6	0	2	---	---	5	1	3	---
3299 chem. products nec	77	30	25	---	0	22	4	18	---
Total crude materials, inedible except fuels	3,973	927	2,679	0	59	308	51	257	---
Subtotal forest products, wood and chips	540	102	427	---	0	10	4	7	---
4110 rubber & gums	2	2	0	---	---	---	---	---	---
4150 fuel wood	3	0	2	---	---	1	---	1	---
4161 wood chips	332	0	332	---	---	---	---	---	---
4170 wood in the rough	80	29	51	---	---	---	---	---	---
4189 lumber	111	64	39	---	0	8	4	5	---
4190 forest products nec	12	7	4	---	---	1	0	1	---

SAN FRANCISCO BAY ENTRANCE, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Through Upbound
		Through		Through		Total	Coastwise		
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
Subtotal pulp and waste paper	696	1	650	---	---	46	44	2	---
4225 pulp & waste paper	696	1	650	---	---	46	44	2	---
Subtotal soil, sand, gravel, rock and stone	725	720	4	---	---	1	0	1	---
4310 building stone	1	1	0	---	---	---	---	---	---
4322 limestone	0	---	0	---	---	---	---	---	---
4323 gypsum	721	719	2	---	---	0	0	0	---
4331 sand & gravel	3	1	2	---	---	0	0	0	---
4338 soil & fill dirt	1	---	---	---	---	1	0	1	---
Subtotal iron ore and scrap	1,157	0	1,155	---	---	2	1	0	---
4420 iron & steel scrap	1,157	0	1,155	---	---	2	1	0	---
Subtotal marine shells	0	0	0	---	---	---	---	---	---
4515 marine shells	0	0	0	---	---	---	---	---	---
Subtotal non-ferrous ores and scrap	224	102	122	0	---	0	0	---	---
4630 copper ore	0	---	0	---	---	---	---	---	---
4650 aluminum ore	89	88	1	---	---	---	---	---	---
4680 non-ferrous scrap	70	7	63	0	---	0	0	---	---
4690 non-ferrous ores nec	65	7	58	---	---	---	---	---	---
Subtotal sulphur, clay and salt	209	0	207	---	---	1	1	0	---
4741 sulphur, (dry)	193	---	193	---	---	---	---	---	---
4782 clay & refrac. mat.	15	0	14	---	---	1	1	0	---
Subtotal slag	1	0	1	0	---	---	---	---	---
4860 slag	1	0	1	0	---	---	---	---	---
Subtotal other non-metal, min. min. nec	421	1	112	---	59	248	1	248	---
4900 non-metal, min. nec	421	1	112	---	59	248	1	248	---
Total primary manufactured goods	2,049	1,584	308	61	0	96	12	85	---
Subtotal paper products	238	52	94	61	0	31	2	29	---
5110 newsprint	71	9	1	61	---	0	0	0	---
5120 paper & paperboard	111	30	71	---	0	9	1	9	---
5190 paper products nec	56	13	22	0	---	21	1	21	---
Subtotal lime, cement and glass	253	151	86	0	---	16	1	14	---
5210 lime	0	0	---	---	---	---	---	---	---
5220 cement & concrete	15	1	12	---	---	2	0	2	---
5240 glass & glass prod.	65	34	30	0	---	1	0	1	---
5290 misc. mineral prod.	174	117	44	0	---	13	1	12	---
Subtotal primary iron and steel products	1,260	1,219	34	0	---	6	0	6	---
5312 pig iron	2	0	2	---	---	---	---	---	---
5315 ferro alloys	0	0	0	---	---	---	---	---	---
5320 i&s primary forms	1	0	1	---	---	0	---	0	---
5330 i&s plates & sheets	1,141	1,119	21	0	---	0	0	0	---
5360 i&s bars & shapes	58	49	4	---	---	5	0	5	---
5370 i&s pipe & tube	49	42	6	---	---	1	0	1	---
5390 primary i&s nec	9	9	0	---	---	0	---	0	---
Subtotal primary non-ferrous metal products	272	156	76	0	0	40	7	34	---
5421 copper	23	3	21	---	0	0	0	0	---
5422 aluminum	24	8	15	---	0	1	1	0	---
5429 smelted prod. nec	13	3	9	---	---	0	0	0	---
5480 fab. metal products	212	142	30	0	0	40	6	33	---

SAN FRANCISCO BAY ENTRANCE, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			Internal Through Upbound
		Through		Through		Total	Coastwise		
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
Subtotal primary wood products	25	5	17	---	---	3	1	2	---
5540 primary wood prod.	25	5	17	---	---	3	1	2	---
Total food and farm products	6,231	1,254	3,864	1	---	1,112	555	548	9
Subtotal fish	49	7	32	0	---	10	0	1	9
6134 fish (not shellfish)	21	3	9	0	---	9	0	1	8
6136 shellfish	28	4	23	---	---	0	0	---	0
Subtotal grain	961	52	865	---	---	44	2	42	---
6241 wheat	230	---	228	---	---	2	2	---	---
6344 corn	16	0	16	---	---	0	---	0	---
6442 rice	711	52	617	---	---	42	---	42	---
6443 barley & rye	2	0	2	---	---	---	---	---	---
6445 oats	3	---	3	---	---	---	---	---	---
6447 sorghum	0	---	0	---	---	---	---	---	---
grains									
Subtotal oilseeds	58	2	56	---	---	---	---	---	---
6521 peanuts	0	---	0	---	---	---	---	---	---
6522 soybeans	15	0	15	---	---	---	---	---	---
6534 flaxseed	0	---	0	---	---	---	---	---	---
6590 oilseeds nec	43	1	41	---	---	---	---	---	---
Subtotal vegetable products	808	244	486	0	---	78	5	73	---
6653 vegetable oils	270	169	100	0	---	0	0	0	---
6654 vegetables & prod.	538	74	386	0	---	78	5	72	---
Subtotal processed grain and animal feed	506	28	439	---	---	39	4	35	---
6746 wheat flour	20	1	2	---	---	17	0	17	---
6747 grain mill products	81	25	56	---	---	1	0	0	---
6781 hay & fodder	158	0	156	---	---	3	0	3	---
6782 animal feed, prep.	247	3	226	---	---	18	4	15	---
Subtotal other agricultural products	3,849	922	1,984	1	---	942	544	397	---
6811 meat, fresh, frozen	575	47	468	---	---	60	2	58	---
6817 meat, prepared	26	1	23	---	---	2	0	2	---
6822 dairy products	77	5	51	---	---	22	0	21	---
6835 fish, prepared	13	9	5	---	---	---	---	---	---
6838 tallow, animal oils	25	1	25	---	---	0	---	0	---
6839 animals & prod. nec	139	8	113	---	---	18	14	3	---
6856 bananas & plantains	0	0	0	---	---	0	---	0	---
6857 fruit & nuts nec	674	8	602	0	---	64	0	64	---
6858 fruit juices	327	154	119	0	---	54	53	1	---
6861 sugar	704	311	2	---	---	391	390	1	---
6865 molasses	141	68	0	---	---	72	72	---	---
6871 coffee	68	58	7	---	---	4	2	2	---
6872 cocoa beans	14	14	0	---	---	0	---	0	---
6885 alcoholic beverages	379	175	159	1	---	45	0	44	---
6887 groceries	57	---	---	---	---	57	0	57	---
6888 water & ice	11	11	0	---	---	---	---	---	---
6889 food products nec	330	45	158	0	---	127	5	121	---
6891 tobacco & products	42	0	38	---	---	3	2	1	---
6893 cotton	211	1	209	---	---	1	1	---	---
6894 natural fibers nec	0	0	0	---	---	0	---	0	---
6899 farm products nec	34	5	7	---	---	22	1	21	---
Total all manufactured equipment, machinery and products	2,360	1,322	511	0	0	527	136	391	---
7110 machinery (not elec)	279	159	93	---	---	27	6	21	---
7120 electrical machinery	443	377	63	---	0	3	0	2	---
7210 vehicles & parts	521	277	155	---	---	89	20	70	---

SAN FRANCISCO BAY ENTRANCE, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Coastwise		Internal
		Upbound	Downbnd	Upbound	Downbnd		Through	Through	
						Upbound	Downbnd	Upbound	
7220 aircraft & parts	1	0	1	---	---	0	0	0	---
7230 ships & boats	2	0	1	---	---	0	0	0	---
7300 ordnance & access.	9	0	5	---	---	3	2	1	---
7400 manufac. wood prod.	72	27	24	0	0	21	19	2	---
7500 textile products	119	84	33	0	0	2	0	2	---
7600 rubber & plastic pr.	145	80	59	0	---	6	1	4	---
7900 manufac. prod. nec	769	316	77	0	0	376	87	289	---
Total unknown or not elsewhere classified	57	18	14	0	0	24	3	21	---
9900 unknown or nec	57	18	14	0	0	24	3	21	---

SAN FRANCISCO HARBOR, CA

Section Included: From Fort Point to San Francisco Airport on the west side of the San Francisco Bay. Controlling Depth: Main ship channel, 55.0 feet; Presidio Shoal, 34.1 feet; Black Point Shoal, 35.5 feet; Rincon Reef Rock (inner), 41 feet; Rincon Reef (outer), 42.5 feet; Blossom Rock, 40 feet; Alcatraz Shoal, 34.5 feet; Arch Rock, 36.2 feet; Harding Rocks, 36.7 feet; Shag Rocks 1 and 2, 36.9 feet; Point Knox Shoal, 38.2 feet; Islais Creek Shoal, 38.2 feet; channel and basin at San Francisco Airport, 6.8 feet in the maintained 200-foot wide southerly portion; 8 feet in the maintained portion of turning basin; 8.6 feet to seaplane ramp. Project Depth: 55 feet in entrance channel across the bar; 40 feet across Presidio Shoal, Black Point Shoal, Blossom Rock, Rincon Reef Rock, and a portion of Alcatraz Shoal; 37 feet across Arch, Shag, and Harding Rocks; 35 feet across Racoon Shoal, and the western part of Point Knox Shoal; 35 feet across Islais Creek Shoal; 10 feet to the San Francisco Airport.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	2,823	1990	2,297	1993	2,340	1996	1,982
1988	2,275	1991	2,898	1994	1,739		
1989	3,359	1992	3,198	1995	1,330		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	1,417	284	1,064	61	7
Total petroleum and petroleum products	1,121	204	917	---	0
Subtotal crude petroleum	149	149	---	---	---
2100 crude petroleum	149	149	---	---	---
Subtotal petroleum products	972	55	917	---	0
2221 kerosene	107	---	107	---	---
2330 distillate fuel oil	61	---	61	---	---
2340 residual fuel oil	489	---	489	---	---
2350 lube oil & greases	7	---	7	---	---
2410 petro. jelly & waxes	0	0	0	---	---
2429 naphtha & solvents	138	55	84	---	---
2430 asphalt, tar & pitch	13	---	13	---	0
2540 petroleum coke	155	---	155	---	---
Total chemicals and related products	24	11	6	---	7
Subtotal fertilizers	4	4	0	---	---
3110 nitrogenous fert.	4	4	---	---	---
3190 fert. & mixes nec	0	0	0	---	---
Subtotal other chemicals and related products	20	7	6	---	7
3211 acyclic hydrocarbons	4	0	4	---	---
3212 benzene & toluene	7	---	---	---	7
3220 alcohols	0	0	---	---	---
3230 carboxylic acids	0	0	0	---	---
3240 nitrogen func. comp.	0	0	---	---	---
3260 organic comp. nec	4	4	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	0	---	---	---
3276 metallic salts	0	0	0	---	---
3279 inorganic chem. nec	0	---	0	---	---
3282 pigments & paints	0	---	0	---	---
3283 coloring mat. nec	0	---	0	---	---
3284 medicines	0	0	---	---	---
3285 perfumes & cleansers	0	0	0	---	---
3286 plastics	1	0	1	---	---
3292 starches, gluten, glue	0	0	0	---	---
3297 chemical additives	0	---	0	---	---
3299 chem. products nec	2	2	0	---	---
Total crude materials, inedible except fuels	73	7	66	0	---
Subtotal forest products, wood and chips	7	6	0	---	---
4170 wood in the rough	0	---	0	---	---
4189 lumber	7	6	0	---	---

SAN FRANCISCO HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
4190 forest products nec	0	0	0	---	---
Subtotal pulp and waste paper	3	---	3	---	---
4225 pulp & waste paper	3	---	3	---	---
Subtotal soil, sand, gravel, rock and stone	0	0	---	---	---
4310 building stone	0	0	---	---	---
Subtotal iron ore and scrap	62	---	62	---	---
4420 iron & steel scrap	62	---	62	---	---
Subtotal non-ferrous ores and scrap	0	0	0	---	---
4680 non-ferrous scrap	0	0	0	---	---
4690 non-ferrous ores nec	0	0	---	---	---
Subtotal slag	0	---	---	0	---
4860 slag	0	---	---	0	---
Subtotal other non-metal. min.	0	---	0	---	---
4900 non-metal. min. nec	0	---	0	---	---
Total primary manufactured goods	66	4	1	61	---
Subtotal paper products	61	0	0	61	---
5110 newsprint	61	---	---	61	---
5120 paper & paperboard	0	0	0	---	---
5190 paper products nec	0	0	0	---	---
Subtotal lime, cement and glass	2	1	0	---	---
5240 glass & glass prod.	1	1	0	---	---
5290 misc. mineral prod.	1	1	0	---	---
Subtotal primary iron and steel products	1	1	0	---	---
5320 i&s primary forms	0	---	0	---	---
5330 i&s plates & sheets	1	1	---	---	---
5360 i&s bars & shapes	0	---	0	---	---
5370 i&s pipe & tube	0	0	0	---	---
5390 primary i&s nec	0	0	---	---	---
Subtotal primary non-ferrous metal products	2	1	1	---	---
5421 copper	0	0	0	---	---
5422 aluminum	0	0	0	---	---
5429 smelted prod. nec	0	0	---	---	---
5480 fab. metal products	1	1	0	---	---
Subtotal primary wood products	1	1	0	---	---
5540 primary wood prod.	1	1	0	---	---
Total food and farm products	117	45	72	0	---
Subtotal fish	0	0	0	---	---
6134 fish (not shellfish)	0	0	0	---	---
6136 shellfish	0	0	0	---	---
Subtotal grain	35	0	35	---	---
6241 wheat	34	---	34	---	---
6344 corn	1	0	1	---	---
6442 rice	0	---	0	---	---
Subtotal oilseeds	0	0	---	---	---
6590 oilseeds nec	0	0	---	---	---
Subtotal vegetable products	23	13	10	---	---
6653 vegetable oils	21	12	8	---	---
6654 vegetables & prod.	2	1	2	---	---
Subtotal processed grain and animal feed	7	0	7	---	---
6747 grain mill products	1	0	0	---	---
6782 animal feed, prep.	7	---	7	---	---
Subtotal other agricultural products	51	31	20	0	---
6811 meat, fresh, frozen	1	1	0	---	---
6817 meat, prepared	0	0	0	---	---
6822 dairy products	0	---	0	---	---
6835 fish, prepared	0	0	0	---	---
6838 tallow, animal oils	16	---	16	---	---
6839 animals & prod. nec	0	0	---	---	---
6856 bananas & plantains	0	0	---	---	---
6857 fruit & nuts nec	1	1	1	0	---
6858 fruit juices	4	4	1	---	---
6861 sugar	0	0	---	---	---
6871 coffee	15	15	0	---	---
6872 cocoa beans	1	1	---	---	---
6885 alcoholic beverages	9	8	1	0	---
6889 food products nec	2	1	0	---	---
6893 cotton	1	---	1	---	---
6899 farm products nec	0	0	0	---	---
Total all manufactured equipment, machinery and products	16	14	2	0	---
7110 machinery (not elec)	2	1	1	---	---
7120 electrical machinery	1	1	0	---	---
7210 vehicles & parts	9	8	0	---	---
7220 aircraft & parts	0	---	0	---	---
7230 ships & boats	0	---	0	---	---
7400 manufac. wood prod.	1	0	0	---	---
7500 textile products	1	1	1	---	---
7600 rubber & plastic pr.	0	0	0	---	---
7900 manufac. prod. nec	2	2	0	0	---
Total unknown or not elsewhere classified	0	0	0	---	0
9900 unknown or nec	0	0	0	---	0

SAN FRANCISCO HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	565	18	17	434	96
Total petroleum and petroleum products	166	18	17	35	96
Subtotal crude petroleum	96	---	---	---	96
2100 crude petroleum	96	---	---	---	96
Subtotal petroleum products	70	18	17	35	---
2211 gasoline	33	---	17	17	---
2330 distillate fuel oil	18	18	---	---	---
2340 residual fuel oil	19	---	---	19	---
Total crude materials, inedible except fuels	391	---	---	391	---
Subtotal soil, sand, gravel, rock and stone	391	---	---	391	---
4331 sand & gravel	391	---	---	391	---
Total food and farm products	8	---	---	8	---
Subtotal fish	8	---	---	8	---
6134 fish (not shellfish)	8	---	---	8	---
6136 shellfish	0	---	---	0	---

REDWOOD CITY HARBOR, CA

Section Included: San Bruno Shoal channel 500 feet wide and about 4 miles long across; Redwood City Harbor channel, a channel from deep water in San Francisco Bay to Steinberger Slough. Controlling Depth: 30.8 feet in San Bruno Shoal channel; 29.8 feet in San Francisco Bay to Beacon No.8; 29.7 feet to Beacon No.15 and beginning of (outer) Turning Basin No.1; 29.5 feet in Turning Basin No.1; 29.5 feet in Turning Basin No.1; 28.5 feet to (upper) Turning Basin No.2; 29.1 in turning basin. Project Depth: 30 feet in San Bruno Shoal Channel; 30 feet to the head of the turning basin in Redwood Creek; 5 feet to Steinberger Slough, and 4 feet in Steinberger Slough.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	664	1990	499	1993	1,829	1996	985
1988	747	1991	507	1994	846		
1989	945	1992	816	1995	754		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Exports	Total	Coastwise	Internal
						Shipments	Receipts
Total, all commodities	985	227	221	65	472	242	230
Total petroleum and petroleum products	2	---	---	---	2	---	2
Subtotal petroleum products	2	---	---	---	2	---	2
2211 gasoline	2	---	---	---	2	---	2
2340 residual fuel oil	1	---	---	---	1	---	1
Total chemicals and related products	7	0	---	7	---	---	---
Subtotal other chemicals and related products	7	0	---	7	---	---	---
3219 other hydrocarbons	0	0	---	---	---	---	---
3240 nitrogen func. comp.	0	0	---	---	---	---	---
3250 organo-inorganic comp.	0	0	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	0	---	---	---	---	---
3276 metallic salts	7	---	---	7	---	---	---
3286 plastics	0	0	---	---	---	---	---
3292 starches, gluten, glue	0	0	---	---	---	---	---
Total crude materials, inedible except fuels	960	210	221	59	470	242	228
Subtotal soil, sand, gravel, rock and stone	358	210	---	---	148	---	148
4323 gypsum	210	210	---	---	---	---	---
4331 sand & gravel	148	---	---	---	148	---	148
Subtotal iron ore and scrap	221	---	221	---	---	---	---
4420 iron & steel scrap	221	---	221	---	---	---	---
Subtotal non-ferrous ores and scrap	0	0	---	---	---	---	---
4650 aluminum ore	0	0	---	---	---	---	---
Subtotal other non-metal. min.	381	---	---	59	322	242	80
4900 non-metal. min. nec	381	---	---	59	322	242	80
Total primary manufactured goods	0	0	---	---	---	---	---
Subtotal paper products	0	0	---	---	---	---	---
5190 paper products nec	0	0	---	---	---	---	---
Subtotal lime, cement and glass	0	0	---	---	---	---	---
5240 glass & glass prod.	0	0	---	---	---	---	---
5290 misc. mineral prod.	0	0	---	---	---	---	---
Subtotal primary iron and steel products	0	0	---	---	---	---	---
5370 i&s pipe & tube	0	0	---	---	---	---	---
Subtotal primary non-ferrous metal products	0	0	---	---	---	---	---
5480 fab. metal products	0	0	---	---	---	---	---

REDWOOD CITY HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Exports	Total	Coastwise	Internal
						Shipments	Receipts
Total food and farm products	16	16	---	---	0	---	0
Subtotal fish	0	---	---	---	0	---	0
6134 fish (not shellfish)	0	---	---	---	0	---	0
6136 shellfish	0	---	---	---	0	---	0
Subtotal vegetable products	0	0	---	---	---	---	---
6654 vegetables & prod.	0	0	---	---	---	---	---
Subtotal processed grain and animal feed	0	0	---	---	---	---	---
6746 wheat flour	0	0	---	---	---	---	---
6747 grain mill products	0	0	---	---	---	---	---
Subtotal other agricultural products	16	16	---	---	---	---	---
6858 fruit juices	0	0	---	---	---	---	---
6861 sugar	16	16	---	---	---	---	---
6889 food products nec	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	1	1	---	---	---	---	---
7500 textile products	0	0	---	---	---	---	---
7600 rubber & plastic pr.	0	0	---	---	---	---	---
7900 manufac. prod. nec	0	0	---	---	---	---	---

OAKLAND HARBOR, CA

Section Included: Outer and inner harbor from deep water in San Francisco Bay to San Leandro Bay, a distance of 8.5 miles. Controlling Depth: 37.1 feet in the entrance channel of the outer harbor to Bart Tube; 34.5 to Albers Mill; 34.7 to Shed 5; 34.8 feet in the entrance channel to the inner harbor; 34.4 feet in inner harbor to foot of Ferro Street; 34.2 feet to Posey Tube; 34.0 feet at Posey, Tube; 34.5 feet to Fortmann Basin; 24.0 feet to Park Street Bridge; 15.3 feet in tidal canal to Fruitvale Avenue Bridge; 14.4 feet in tidal canal to San Leandro Bay; 7 feet in north channel of Brooklyn Basin. Project Depth: 35 feet in the entrance channel to the outer harbor; 35 feet in the outer harbor; 35 feet in the entrance channel to the inner harbor; 35 feet in the inner harbor to the Park Street bridge; 25 feet in the tidal canal to San Leandro Bay; 35 feet for a distance of 1,300 feet thence 25 feet in north channel of Brooklyn Basin (maintained 18 feet).

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	9,212	1990	10,290	1993	12,734	1996	11,230
1988	10,141	1991	10,356	1994	12,914		
1989	10,000	1992	13,211	1995	13,224		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Total, all commodities	11,230	2,942	5,701	6	2,580	386	1,096	1,028	71
Total coal	54	49	6	---	---	---	---	---	---
1100 coal lignite	6	0	6	---	---	---	---	---	---
1200 coal coke	48	48	0	---	---	---	---	---	---
Total petroleum and petroleum products	706	0	44	---	662	0	10	651	1
Subtotal petroleum products	706	0	44	---	662	0	10	651	1
2211 gasoline	0	---	0	---	0	---	0	---	---
2330 distillate fuel oil	54	---	10	---	44	---	0	44	---
2340 residual fuel oil	608	---	0	---	608	---	---	607	1
2350 lube oil & greases	15	0	12	---	3	0	3	---	---
2410 petro. jelly & waxes	4	0	4	---	0	0	0	---	---
2429 naphtha & solvents	9	---	9	---	---	---	---	---	---
2430 asphalt, tar & pitch	0	---	0	---	---	---	---	---	---
2540 petroleum coke	8	---	8	---	0	0	0	---	---
2640 liquid natural gas	1	0	1	---	0	0	0	---	---
2990 petro. products nec	7	---	---	---	7	0	7	---	---

OAKLAND HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Total chemicals and related products	847	194	577	5	71	20	50	---	---
Subtotal fertilizers	53	32	7	---	14	2	12	---	---
3110 nitrogenous fert.	25	25	0	---	0	---	0	---	---
3120 phosphatic fert.	0	---	0	---	---	---	---	---	---
3130 potassic fert.	0	0	0	---	0	---	0	---	---
3190 fert. & mixes nec	27	7	7	---	13	2	11	---	---
Subtotal other chemicals and related products	794	163	570	5	57	18	39	---	---
3211 acyclic hydrocarbons	1	0	1	---	---	---	---	---	---
3212 benzene & toluene	0	---	0	---	---	---	---	---	---
3219 other hydrocarbons	18	3	15	---	0	0	0	---	---
3220 alcohols	34	2	30	---	1	0	1	---	---
3230 carboxylic acids	15	4	10	---	0	0	0	---	---
3240 nitrogen func. comp.	20	3	17	---	0	0	---	---	---
3250 organo-inorganic comp.	33	3	29	---	0	---	0	---	---
3260 organic comp. nec	47	28	13	5	1	1	0	---	---
3271 sulphur (liquid)	2	0	2	---	1	1	---	---	---
3272 sulphuric acid	5	---	5	---	---	---	---	---	---
3273 ammonia	19	---	19	---	---	---	---	---	---
3274 sodium hydroxide	3	0	3	---	---	---	---	---	---
3275 inorg. elem. oxides, & halogen salts	37	20	16	---	1	0	1	---	---
3276 metallic salts	27	4	23	---	0	0	0	---	---
3279 inorganic chem. nec	1	1	1	---	---	---	---	---	---
3281 radioactive material	2	0	2	---	0	0	---	---	---
3282 pigments & paints	38	1	29	---	7	0	7	---	---
3283 coloring mat. nec	2	1	1	---	---	---	---	---	---
3284 medicines	8	1	6	---	1	0	1	---	---
3285 perfumes & cleansers	73	3	48	---	21	0	21	---	---
3286 plastics	271	42	217	---	11	9	2	---	---
3291 pesticides	8	3	4	---	1	---	1	---	---
3292 starches, gluten, glue	68	30	38	0	0	---	0	---	---
3293 explosives	2	1	0	---	0	0	0	---	---
3297 chemical additives	15	0	15	---	0	0	---	---	---
3298 wood & resin chem.	3	0	2	---	2	1	0	---	---
3299 chem. products nec	42	10	25	---	8	4	4	---	---
Total crude materials, inedible except fuels	2,009	100	1,468	0	441	51	15	376	---
Subtotal forest products, wood and chips	162	92	60	---	10	4	7	0	---
4110 rubber & gums	1	1	0	---	---	---	---	---	---
4150 fuel wood	3	0	2	---	1	---	1	---	---
4161 wood chips	4	0	4	---	---	---	---	---	---
4170 wood in the rough	43	29	14	---	0	---	---	0	---
4189 lumber	100	54	37	---	8	4	5	---	---
4190 forest products nec	12	7	4	---	1	0	1	---	---
Subtotal pulp and waste paper	692	1	645	---	46	44	2	---	---
4225 pulp & waste paper	692	1	645	---	46	44	2	---	---
Subtotal soil, sand, gravel, rock and stone	381	1	4	---	377	0	1	376	---
4310 building stone	1	0	0	---	---	---	---	---	---
4322 limestone	0	---	0	---	---	---	---	---	---

OAKLAND HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
4323 gypsum	2	0	2	---	0	0	---	---	---
4331 sand & gravel	378	1	2	---	376	0	0	376	---
4338 soil & fill dirt	1	---	---	---	1	0	1	---	---
Subtotal iron ore and scrap	574	0	573	---	2	1	0	---	---
4420 iron & steel scrap	574	0	573	---	2	1	0	---	---
Subtotal	0	0	0	---	---	---	---	---	---
marine shells									
4515 marine shells	0	0	0	---	---	---	---	---	---
Subtotal	69	5	65	0	0	0	---	---	---
non-ferrous ores and scrap									
4630 copper ore	0	---	0	---	---	---	---	---	---
4650 aluminum ore	3	2	1	---	3	---	---	---	---
4680 non-ferrous scrap	64	1	63	0	0	0	---	---	---
4690 non-ferrous ores nec	2	1	1	---	---	---	---	---	---
Subtotal	9	0	8	---	1	1	0	---	---
sulphur, clay and salt									
4741 sulphur, (dry)	0	---	0	---	---	---	---	---	---
4782 clay & refrac. mat.	9	0	8	---	1	1	0	---	---
Subtotal slag	1	0	1	---	---	---	---	---	---
4860 slag	1	0	1	---	---	---	---	---	---
Subtotal other non-metal. min.	119	1	112	---	6	1	6	---	---
4900 non-metal. min. nec	119	1	112	---	6	1	6	---	---
Total primary manufactured goods	1,010	626	295	0	89	12	76	1	---
Subtotal paper products	161	45	93	0	23	2	21	---	---
5110 newsprint	4	2	1	---	0	0	0	---	---
5120 paper & paperboard	110	30	70	---	9	1	9	---	---
5190 paper products nec	47	13	22	0	13	1	12	---	---
Subtotal lime, cement and glass	249	148	84	0	17	1	14	1	---
5210 lime	0	0	---	---	---	---	---	---	---
5220 cement & concrete	15	1	12	---	2	0	2	---	---
5240 glass & glass prod.	63	33	30	0	1	0	1	---	---
5290 misc. mineral prod.	171	115	42	0	14	1	12	1	---
Subtotal	308	275	27	0	6	0	6	---	---
primary iron and steel products									
5312 pig iron	2	0	2	---	---	---	---	---	---
5315 ferro alloys	0	0	0	---	---	---	---	---	---
5320 i&s primary forms	1	0	1	---	0	---	0	---	---
5330 i&s plates & sheets	210	191	19	0	0	0	0	---	---
5360 i&s bars & shapes	50	42	2	---	5	0	5	---	---
5370 i&s pipe & tube	37	33	3	---	1	0	1	---	---
5390 primary i&s nec	9	8	0	---	0	---	0	---	---
Subtotal	268	153	74	0	40	7	34	---	---
primary non-ferrous metal products									
5421 copper	22	3	20	---	0	0	0	---	---
5422 aluminum	23	7	15	---	1	1	0	---	---
5429 smelted prod. nec	13	3	9	---	0	0	0	---	---
5480 fab. metal products	209	140	30	0	40	6	33	---	---
Subtotal	24	5	17	---	3	1	2	---	---
primary wood products									
5540 primary wood prod.	24	5	17	---	3	1	2	---	---
Total food and farm products	4,384	709	2,891	1	784	165	548	---	71
Subtotal fish	38	5	32	---	1	0	1	---	---
6134 fish (not shellfish)	12	2	9	---	1	0	1	---	---
6136 shellfish	25	3	23	---	0	0	---	---	---

OAKLAND HARBOR, CA
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Subtotal grain	167	50	74	---	44	2	42	---	---
6241 wheat	2	---	0	---	2	2	---	---	---
6344 corn	15	0	15	---	0	---	0	---	---
6442 rice	146	50	54	---	42	---	42	---	---
6443 barley & rye	2	0	2	---	---	---	---	---	---
6445 oats	3	---	3	---	---	---	---	---	---
6447 sorghum	0	---	0	---	---	---	---	---	---
grains									
Subtotal	18	1	17	---	---	---	---	---	---
oilseeds									
6521 peanuts	0	---	0	---	---	---	---	---	---
6522 soybeans	15	0	15	---	---	---	---	---	---
6534 flaxseed	0	---	0	---	---	---	---	---	---
6590 oilseeds nec	3	1	2	---	---	---	---	---	---
Subtotal	554	80	395	0	78	5	73	---	---
vegetable products									
6653 vegetable oils	28	9	18	0	0	0	0	---	---
6654 vegetables & prod.	526	71	377	0	78	5	72	---	---
Subtotal	495	27	429	---	39	4	35	---	---
processed grain and animal feed									
6746 wheat flour	20	1	2	---	17	0	17	---	---
6747 grain mill products	79	24	55	---	1	0	0	---	---
6781 hay & fodder	158	0	155	---	3	0	3	---	---
6782 animal feed, prep.	237	2	217	---	18	4	15	---	---
Subtotal other agricultural products	3,112	546	1,943	0	622	155	397	---	71
6811 meat, fresh, frozen	566	43	463	---	60	2	58	---	---
6817 meat, prepared	25	1	22	---	2	0	2	---	---
6822 dairy products	77	5	51	---	22	0	21	---	---
6835 fish, prepared	12	8	4	---	---	---	---	---	---
6838 tallow, animal oils	2	1	1	---	0	---	0	---	---
6839 animals & prod. nec	138	7	113	---	18	14	3	---	---
6856 bananas & plantains	0	0	0	---	0	---	0	---	---
6857 fruit & nuts nec	669	7	597	0	64	0	64	---	---
6858 fruit juices	320	149	117	0	54	53	1	---	---
6861 sugar	53	50	2	---	1	0	1	---	---
6865 molasses	143	---	0	---	143	72	---	---	71
6871 coffee	52	41	7	---	4	2	2	---	---
6872 cocoa beans	13	13	0	---	0	---	0	---	---
6885 alcoholic beverages	363	161	157	0	45	0	44	---	---
6887 groceries	57	---	---	---	57	0	57	---	---
6888 water & ice	11	11	0	---	---	---	---	---	---
6889 food products nec	326	43	156	0	127	5	121	---	---
6891 tobacco & products	41	0	38	---	3	2	1	---	---
6893 cotton	210	1	207	---	1	1	---	---	---
6894 natural fibers nec	0	0	0	---	0	---	0	---	---
6899 farm products nec	34	5	7	---	22	1	21	---	---
Total all manufactured equipment, machinery and products	2,164	1,246	408	0	510	134	376	---	---
7110 machinery (not elec)	270	154	89	---	27	6	21	---	---
7120 electrical machinery	437	372	62	---	3	0	2	---	---
7210 vehicles & parts	373	222	62	---	89	20	70	---	---
7220 aircraft & parts	1	0	0	---	0	0	0	---	---
7230 ships & boats	1	0	1	---	0	0	0	---	---
7300 ordnance & access.	6	0	5	---	0	0	0	---	---
7400 manufac. wood prod.	71	26	24	0	21	19	2	---	---
7500 textile products	114	81	30	0	2	0	2	---	---
7600 rubber & plastic pr.	142	79	58	0	6	1	4	---	---
7900 manufac. prod. nec	749	311	76	0	362	87	275	---	---

OAKLAND HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Total unknown or not elsewhere classified	55	17	14	0	24	3	21	---	---
9900 unknown or nec	55	17	14	0	24	3	21	---	---

RICHMOND HARBOR, CA

Section Included: Inner harbor, from southern end of Richmond Long Wharf maneuvering area to the head of Santa Fe Channel, a distance of about 5 miles; outer harbor, from southern end of maneuvering area at Richmond Long Wharf to Point San Pablo and the north side of Point San Pablo; includes a connecting channel (Southampton Channel) to the Richmond Long Wharf maneuvering area and approach areas at Point San Pablo and Point Orient. Controlling Depth: 45.7 feet in Southampton Channel (connecting channel from San Francisco Bay to Richmond Long Wharf maneuvering area); 44.7 feet in maneuvering area to Richmond Long Wharf; 34.8 feet from Richmond Long Wharf maneuvering area to turning basin Point Richmond; 34.8 feet in Point Richmond turning basin; 34.5 feet to Point Potrero; 34.0 feet in turning basin at Point Potrero; Point Potrero (southerly apex only) 28.7 feet; 34.7 feet to Lauritzen Canal then 30.4 feet in Santa Fe Channel to upper turning basin; 30.4 feet in upper turning basin; 27 feet in approach to Point Orient; 26 feet in approach to Point San Pablo; 30.6 feet at Molate Point; and 33.4 feet in West Richmond Channel. Project Depth: 45 feet in connecting channel (Southampton Channel) from San Francisco Bay to Richmond Long Wharf maneuvering area; 45 feet in maneuvering area to Richmond Long Wharf; 35 feet to turning basin at Point Richmond; 35 feet to Point Potrero; 35 feet to Santa Fe Channel; 35 feet in Santa Fe Channel for approximately 2,000 feet then 30 feet in the remainder of Santa Fe Channel and turning basin; 20 feet in channel east of Point San Pablo Channel; 32 feet in approach to Point Orient; 32 feet in approach to Point San Pablo.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	21,431	1990	21,156	1993	24,570	1996	21,803
1988	18,913	1991	19,919	1994	24,094		
1989	25,103	1992	21,042	1995	20,839		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
Total, all commodities	5,367	3,090	2,022	255
Total coal	379	379	---	---
1200 coal coke	379	379	---	---
Total petroleum and petroleum products	3,431	1,839	1,584	8
Subtotal crude petroleum	1,107	1,059	48	---
2100 crude petroleum	1,107	1,059	48	---
Subtotal petroleum products	2,324	780	1,536	8
2211 gasoline	56	18	38	---
2221 kerosene	216	104	112	---
2330 distillate fuel oil	75	---	75	---
2340 residual fuel oil	1,196	166	1,022	8
2350 lube oil & greases	15	---	15	---
2429 naphtha & solvents	591	459	132	---
2430 asphalt, tar & pitch	54	---	54	---
2540 petroleum coke	120	33	87	---
Total chemicals and related products	560	284	28	248
Subtotal fertilizers	15	15	0	---
3110 nitrogenous fert.	10	10	---	---
3190 fert. & mixes nec	6	5	0	---
Subtotal other chemicals and related products	545	269	28	248
3211 acyclic hydrocarbons	22	---	22	---
3212 benzene & toluene	10	10	0	---
3220 alcohols	150	0	0	150
3230 carboxylic acids	0	0	---	---
3240 nitrogen func. comp.	0	0	---	---
3260 organic comp. nec	334	245	0	89
3272 sulphuric acid	0	---	0	---
3274 sodium hydroxide	9	---	---	9
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	0	0	0	---
3286 plastics	1	0	0	---
3291 pesticides	0	---	0	---
3292 starches, gluten, glue	0	0	0	---
3297 chemical additives	4	---	4	---
3299 chem. products nec	14	14	0	---
Total crude materials, inedible except fuels	565	262	303	---
Subtotal forest products, wood and chips	3	3	0	---
4170 wood in the rough	0	---	0	---
4189 lumber	3	3	0	---
Subtotal pulp and waste paper	1	---	1	---
4225 pulp & waste paper	1	---	1	---
Subtotal soil, sand, gravel, rock and stone	173	173	0	---
4323 gypsum	173	173	---	---
4331 sand & gravel	0	---	0	---

RICHMOND HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
Subtotal iron ore and scrap	262	---	262	---
4420 iron & steel scrap	262	---	262	---
Subtotal non-ferrous ores and scrap	126	86	41	---
4650 aluminum ore	86	86	---	---
4680 non-ferrous scrap	0	0	0	---
4690 non-ferrous ores nec	41	---	41	---
Subtotal sulphur, clay and salt	0	---	0	---
4782 clay & refrac. mat.	0	---	0	---
Subtotal other non-metal. min.	0	0	0	---
4900 non-metal. min. nec	0	0	0	---
Total primary manufactured goods	142	139	3	---
Subtotal paper products	5	4	1	---
5110 newsprint	4	4	---	---
5120 paper & paperboard	0	0	0	---
5190 paper products nec	0	0	0	---
Subtotal lime, cement and glass	0	0	0	---
5240 glass & glass prod.	0	0	0	---
5290 misc. mineral prod.	0	0	0	---
Subtotal primary iron and steel products	136	133	2	---
5330 i&s plates & sheets	130	128	2	---
5360 i&s bars & shapes	5	5	0	---
5370 i&s pipe & tube	1	1	---	---
5390 primary i&s nec	0	0	0	---
Subtotal primary non-ferrous metal products	1	1	0	---
5421 copper	0	0	0	---
5422 aluminum	0	0	0	---
5480 fab. metal products	1	1	0	---
Subtotal primary wood products	0	0	0	---
5540 primary wood prod.	0	0	0	---
Total food and farm products	258	160	98	---
Subtotal fish	1	0	0	---
6134 fish (not shellfish)	0	0	0	---
6136 shellfish	1	0	0	---
Subtotal grain	1	---	1	---
6241 wheat	0	---	0	---
6344 corn	0	---	0	---
6442 rice	1	---	1	---
Subtotal oilseeds	1	0	1	---
6590 oilseeds nec	1	0	1	---
Subtotal vegetable products	223	150	74	---
6653 vegetable oils	215	148	67	---
6654 vegetables & prod.	8	2	6	---
Subtotal processed grain and animal feed	4	0	3	---
6747 grain mill products	1	0	1	---
6781 hay & fodder	0	---	0	---
6782 animal feed, prep.	3	0	2	---
Subtotal other agricultural products	29	10	19	---
6811 meat, fresh, frozen	7	3	4	---
6817 meat, prepared	1	0	0	---
6822 dairy products	0	0	0	---
6835 fish, prepared	0	0	0	---
6838 tallow, animal oils	8	---	8	---
6839 animals & prod. nec	1	1	0	---
6856 bananas & plantains	0	---	0	---
6857 fruit & nuts nec	3	0	3	---
6858 fruit juices	1	0	1	---
6871 coffee	0	0	0	---
6872 cocoa beans	0	0	---	---
6885 alcoholic beverages	6	5	1	---
6889 food products nec	2	0	2	---
6891 tobacco & products	0	0	0	---
6893 cotton	0	---	0	---
6899 farm products nec	0	0	0	---
Total all manufactured equipment, machinery and products	31	26	5	---
7110 machinery (not elec)	3	1	3	---
7120 electrical machinery	1	1	0	---
7210 vehicles & parts	23	23	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	1	1	0	---
7600 rubber & plastic pr.	2	1	1	---
7900 manufac. prod. nec	1	1	0	---
Total unknown or not elsewhere classified	1	1	0	---
9900 unknown or nec	1	1	0	---

RICHMOND HARBOR, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	16,435	10,576	2,440	2,415	771	234
Total petroleum and petroleum products	16,066	10,295	2,415	2,372	754	229
Subtotal crude petroleum	10,489	8,683	---	1,806	---	---
2100 crude petroleum	10,489	8,683	---	1,806	---	---
Subtotal petroleum products	5,577	1,613	2,415	565	754	229
2211 gasoline	2,468	634	1,638	125	47	23
2330 distillate fuel oil	893	463	301	121	5	3
2340 residual fuel oil	1,930	502	245	290	702	190
2350 lube oil & greases	271	---	228	29	---	14
2410 petro. jelly & waxes	13	13	---	---	---	---
2540 petroleum coke	2	---	2	---	---	---
2990 petro. products nec	0	---	---	0	---	---
Total chemicals and related products	331	280	16	13	17	4
Subtotal other chemicals and related products	331	280	16	13	17	4
3211 acyclic hydrocarbons	2	---	2	---	---	---
3212 benzene & toluene	26	21	---	---	---	4
3274 sodium hydroxide	142	142	---	---	---	---
3297 chemical additives	130	117	---	13	---	---
3299 chem. products nec	32	---	14	---	17	---
Total crude materials, inedible except fuels	30	---	---	30	0	0
Subtotal forest products, wood and chips	0	---	---	---	0	0
4170 wood in the rough	0	---	---	---	0	0
Subtotal soil, sand, gravel, rock and stone	30	---	---	30	---	---
4331 sand & gravel	30	---	---	30	---	---
Total primary manufactured goods	9	---	9	---	---	---
Subtotal paper products	9	---	9	---	---	---
5190 paper products nec	9	---	9	---	---	---
Total food and farm products	0	---	---	0	---	---
Subtotal fish	0	---	---	0	---	---
6134 fish (not shellfish)	0	---	---	0	---	---

SAN PABLO BAY AND MARE ISLAND STRAIT, CA

Section included: All of San Pablo Bay and Mare Island Strait. Controlling Depth: Pinole Shoal channel 36.3 feet from San Pablo buoy at beginning of channel to buoy 9; 34.3 feet to buoy 11; 35.1 feet to end of channel; Mare Island Strait (the maintained westerly 55% of project width) 36.3 feet to the Navy Ammunition Pier; 35.8 feet to Finger Pier No. 21; 36.0 feet to "A" Street (end of maintained section); 20.5 feet to the end of 26-foot project at causeway. Project Depth: 35 feet in Pinole Shoal Channel and 30 feet in Mare Island Strait, except at upstream end of turning basin, 26 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	34,745	1990	33,982	1993	34,447	1996	28,579
1988	33,323	1991	32,326	1994	32,367		
1989	36,352	1992	36,085	1995	31,265		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through		Imports	Through	
				Upbound	Downbnd		Upbound	Downbnd
Total, all commodities	8,767	244	85	4,582	3,447	22	344	43
Total petroleum and petroleum products	4,602	162	80	2,147	2,059	---	111	43
Subtotal crude petroleum	1,978	54	---	1,858	---	---	66	---
2100 crude petroleum	1,978	54	---	1,858	---	---	66	---
Subtotal petroleum products	2,624	108	80	288	2,059	---	45	43
2211 gasoline	187	95	27	---	65	---	---	---
2221 kerosene	148	---	42	---	105	---	---	---
2330 distillate fuel oil	307	---	11	31	225	---	39	---
2340 residual fuel oil	684	---	---	222	414	---	5	43
2350 lube oil & greases	19	---	---	0	19	---	---	---
2410 petro. jelly & waxes	0	---	---	---	0	---	---	---
2429 naphtha & solvents	322	14	---	35	273	---	---	---
2430 asphalt, tar & pitch	314	---	---	---	314	---	---	---
2540 petroleum coke	643	---	---	---	643	---	---	---
Total chemicals and related products	1,250	80	0	914	1	22	233	---
Subtotal fertilizers	263	---	---	263	0	---	---	---
3110 nitrogenous fert.	102	---	---	102	---	---	---	---
3190 fert. & mixes nec	161	---	---	161	0	---	---	---
Subtotal other chemicals and related products	987	80	0	652	1	22	233	---
3212 benzene & toluene	6	---	---	6	---	---	---	---
3219 other hydrocarbons	0	---	---	---	0	---	---	---
3260 organic comp. nec	754	80	---	623	0	22	30	---
3273 ammonia	213	---	---	14	---	---	199	---
3274 sodium hydroxide	4	---	---	---	---	---	4	---

SAN PABLO BAY AND MARE ISLAND STRAIT, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through		Imports	Through	
				Upbound	Downbnd		Upbound	Downbnd
3275 inorg. elem., oxides, & halogen salts	0	---	---	0	0	---	---	---
3276 metallic salts	6	---	0	5	0	---	---	---
3279 inorganic chem. nec	0	---	---	---	0	---	---	---
3282 pigments & paints	0	---	---	0	---	---	---	---
3285 perfumes & cleansers	0	---	---	0	0	---	---	---
3286 plastics	0	---	0	0	0	---	---	---
3292 starches, gluten, glue	0	---	0	0	0	---	---	---
3299 chem. products nec	4	---	---	4	0	---	---	---
Total crude materials, inedible except fuels	909	---	0	349	560	---	---	---
Subtotal forest products, wood and chips	368	---	---	1	367	---	---	---
4110 rubber & gums	1	---	---	1	---	---	---	---
4161 wood chips	328	---	---	---	328	---	---	---
4170 wood in the rough	37	---	---	---	37	---	---	---
4189 lumber	2	---	---	0	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	336	---	---	336	---	---	---	---
4323 gypsum	336	---	---	336	---	---	---	---
Subtotal iron ore and scrap	38	---	---	---	38	---	---	---
4420 iron & steel scrap	38	---	---	---	38	---	---	---
Subtotal non-ferrous ores and scrap	28	---	0	12	16	---	---	---
4680 non-ferrous scrap	6	---	0	6	0	---	---	---
4690 non-ferrous ores nec	22	---	---	6	16	---	---	---
Subtotal sulphur, clay and salt	138	---	---	---	138	---	---	---
4741 sulphur, (dry)	132	---	---	---	132	---	---	---
4782 clay & refrac. mat.	6	---	---	---	6	---	---	---
Total primary manufactured goods	822	0	2	814	6	---	---	---
Subtotal paper products	3	---	---	2	0	---	---	---
5110 newsprint	2	---	---	2	---	---	---	---
5120 paper & paperboard	0	---	---	0	0	---	---	---
5190 paper products nec	0	---	---	0	0	---	---	---
Subtotal lime, cement and glass	3	---	2	1	0	---	---	---
5240 glass & glass prod.	0	---	---	0	---	---	---	---
5290 misc. mineral prod.	3	---	2	1	0	---	---	---
Subtotal primary iron and steel products	815	---	---	810	5	---	---	---
5330 i&s plates & sheets	800	---	---	800	---	---	---	---
5360 i&s bars & shapes	3	---	---	2	2	---	---	---
5370 i&s pipe & tube	11	---	---	8	3	---	---	---
5390 primary i&s nec	0	---	---	0	0	---	---	---
Subtotal primary non-ferrous metal products	1	0	0	1	1	---	---	---
5421 copper	1	---	---	---	1	---	---	---
5480 fab. metal products	1	0	0	1	0	---	---	---
Subtotal primary wood products	0	---	---	---	0	---	---	---
5540 primary wood prod.	0	---	---	---	0	---	---	---
Total food and farm products	1,053	1	0	324	728	0	---	---
Subtotal fish	1	0	0	1	0	0	---	---
6134 fish (not shellfish)	0	0	0	0	0	0	---	---
6136 shellfish	1	---	---	1	---	---	---	---
Subtotal grain	684	---	---	2	681	---	---	---
6241 wheat	134	---	---	---	134	---	---	---
6442 rice	549	---	---	2	547	---	---	---
Subtotal oilseeds	38	---	---	0	38	---	---	---
6522 soybeans	0	---	---	0	---	---	---	---
6590 oilseeds nec	38	---	---	0	38	---	---	---
Subtotal vegetable products	8	---	---	1	6	---	---	---
6653 vegetable oils	6	---	---	0	6	---	---	---
6654 vegetables & prod.	1	---	---	1	0	---	---	---
Subtotal processed grain and animal feed	1	---	0	1	0	---	---	---
6747 grain mill products	0	---	---	0	0	---	---	---
6782 animal feed, prep.	0	---	0	0	0	---	---	---
Subtotal other agricultural products	322	1	---	319	3	---	---	---
6811 meat, fresh, frozen	1	---	---	---	1	---	---	---
6817 meat, prepared	0	---	---	0	---	---	---	---
6822 dairy products	0	---	---	0	0	---	---	---
6835 fish, prepared	1	---	---	1	---	---	---	---
6839 animals & prod. nec	0	---	---	0	0	---	---	---
6857 fruit & nuts nec	1	---	---	0	1	---	---	---
6858 fruit juices	1	---	---	1	0	---	---	---
6861 sugar	246	---	---	246	---	---	---	---
6865 molasses	68	---	---	68	---	---	---	---
6871 coffee	1	1	---	0	---	---	---	---
6872 cocoa beans	0	---	---	0	---	---	---	---
6885 alcoholic beverages	2	---	---	1	0	---	---	---

SAN PABLO BAY AND MARE ISLAND STRAIT, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through		Imports	Through	
				Upbound	Downbnd		Upbound	Downbnd
6888 water & ice	0	---	---	0	---	---	---	---
6889 food products nec	1	---	---	1	0	---	---	---
6891 tobacco & products	0	---	---	---	0	---	---	---
6893 cotton	0	---	---	---	0	---	---	---
6899 farm products nec	0	---	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	131	0	2	35	94	---	---	---
7110 machinery (not elec)	4	0	0	4	0	---	---	---
7120 electrical machinery	3	0	0	2	0	---	---	---
7210 vehicles & parts	116	---	---	23	92	---	---	---
7230 ships & boats	0	---	---	---	0	---	---	---
7300 ordnance & access.	1	---	---	0	1	---	---	---
7400 manufac. wood prod.	0	0	---	0	---	---	---	---
7500 textile products	3	0	2	2	0	---	---	---
7600 rubber & plastic pr.	1	0	---	1	0	---	---	---
7900 manufac. prod. nec	3	0	0	3	0	---	---	---
Total unknown or not elsewhere classified	0	---	---	0	0	---	---	---
9900 unknown or nec	0	---	---	0	0	---	---	---
Ton-miles (x1000) Foreign & Canadian	87,673	2,435	854	45,822	34,472	217	3,441	433

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	13,311	1,968	1,735	5,815	3,793
Total petroleum and petroleum products	12,315	1,931	1,735	4,881	3,768
Subtotal crude petroleum	5,488	1,530	---	3,674	284
2100 crude petroleum	5,488	1,530	---	3,674	284
Subtotal petroleum products	6,827	402	1,735	1,207	3,483
2211 gasoline	3,203	156	465	305	2,277
2330 distillate fuel oil	2,313	110	1,109	662	432
2340 residual fuel oil	1,053	45	57	240	711
2350 lube oil & greases	166	---	103	---	63
2430 asphalt, tar & pitch	92	92	---	---	---
Total chemicals and related products	589	36	---	542	10
Subtotal fertilizers	134	---	---	134	---
3110 nitrogenous fert.	134	---	---	134	---
Subtotal other chemicals and related products	456	36	---	409	10
3212 benzene & toluene	8	---	---	8	---
3220 alcohols	18	---	---	18	---
3260 organic comp. nec	25	---	---	25	---
3273 ammonia	199	---	---	199	---
3274 sodium hydroxide	36	---	---	34	2
3293 explosives	1	---	---	0	1
3297 chemical additives	165	36	---	124	5
3298 wood & resin chem.	3	---	---	---	3
Total food and farm products	390	---	---	390	---
Subtotal other agricultural products	390	---	---	390	---
6861 sugar	390	---	---	390	---
Total all manufactured equipment, machinery and products	17	---	---	2	15
7300 ordnance & access.	3	---	---	2	1
7900 manufac. prod. nec	14	---	---	---	14
Ton-miles (x1000) Coastwise	132,585	19,206	17,293	58,151	37,935

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	6,500	2	67	100	105	4,971	1,233	3	21
Total petroleum and petroleum products	5,920	2	67	100	105	4,785	839	3	21
Subtotal crude petroleum	4,773	---	20	49	---	4,703	---	---	---
2100 crude petroleum	4,773	---	20	49	---	4,703	---	---	---

SAN PABLO BAY AND MARE ISLAND STRAIT, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal petroleum products	1,148	2	46	50	105	82	839	3	21
2211 gasoline	190	---	---	---	---	45	145	---	---
2330 distillate fuel oil	249	---	46	15	5	---	182	---	---
2340 residual fuel oil	664	2	---	35	70	36	500	---	21
2350 lube oil & greases	40	---	---	---	29	---	11	---	---
2429 naphtha & solvents	3	---	---	---	---	---	---	3	---
2990 petro. products nec	0	---	---	---	---	---	0	---	---
Total chemicals and related products	30	---	---	---	---	17	13	---	---
Subtotal other chemicals and related products	30	---	---	---	---	17	13	---	---
3297 chemical additives	13	---	---	---	---	---	13	---	---
3299 chem. products nec	17	---	---	---	---	17	---	---	---
Total crude materials, inedible except fuels	474	0	---	---	---	94	380	---	---
Subtotal forest products, wood and chips	0	0	---	---	---	0	---	---	---
4170 wood in the rough	0	0	---	---	---	0	---	---	---
Subtotal soil, sand, gravel, rock and stone	372	---	---	---	---	72	301	---	---
4331 sand & gravel	372	---	---	---	---	72	301	---	---
Subtotal marine shells	22	---	---	---	---	22	---	---	---
4515 marine shells	22	---	---	---	---	22	---	---	---
Subtotal other non-metal. min.	80	---	---	---	---	---	80	---	---
4900 non-metal. min. nec	80	---	---	---	---	---	80	---	---
Total primary manufactured goods	5	---	---	---	---	4	1	---	---
Subtotal lime, cement and glass	5	---	---	---	---	4	1	---	---
5290 misc. mineral prod.	5	---	---	---	---	4	1	---	---
Total food and farm products	71	0	---	---	---	71	---	---	---
Subtotal fish	0	0	---	---	---	0	---	---	---
6134 fish (not shellfish)	0	0	---	---	---	0	---	---	---
6136 shellfish	0	0	---	---	---	---	---	---	---
Subtotal other agricultural products	71	---	---	---	---	71	---	---	---
6865 molasses	71	---	---	---	---	71	---	---	---
Ton-miles Internal (x1000)	62,013	14	75	238	981	49,614	11,018	10	62
Tons All Traffic (x1000)				28,579					
Ton-miles All Traffic (x1000)				282,271					

CARQUINEZ STRAIT, CA

Section Included: All of Carquinez Strait from Davis Point on the westerly end to the Benicia-Martinez Bridge at Suisun Point on the easterly end, a distance of about 8 miles. Controlling Depth: 33 feet. Project Depth: 45 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	27,345	1990	26,565	1993	26,046	1996	24,841
1988	27,155	1991	25,700	1994	26,118		
1989	28,117	1992	27,656	1995	26,931		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through		Imports	Exports	Through Upbound
				Upbound	Downbnd			
Total, all commodities	8,417	2,936	1,530	1,646	1,917	140	43	204
Total petroleum and petroleum products	4,360	2,084	1,403	63	656	111	43	---
Subtotal crude petroleum	1,924	1,809	---	49	---	66	---	---
2100 crude petroleum	1,924	1,809	---	49	---	66	---	---
Subtotal petroleum products	2,436	275	1,403	13	656	45	43	---
2211 gasoline	65	---	65	---	---	---	---	---
2221 kerosene	105	---	83	---	22	---	---	---
2330 distillate fuel oil	296	31	84	---	141	39	---	---
2340 residual fuel oil	684	209	414	13	---	5	43	---
2350 lube oil & greases	19	---	19	0	0	---	---	---
2410 petro. jelly & waxes	0	---	0	---	---	---	---	---
2429 naphtha & solvents	308	35	249	---	23	---	---	---
2430 asphalt, tar & pitch	314	---	314	---	---	---	---	---
2540 petroleum coke	643	---	173	---	470	---	---	---
Total chemicals and related products	1,148	602	0	312	0	30	---	204
Subtotal fertilizers	263	0	0	263	---	---	---	---
3110 nitrogenous fert.	102	---	---	102	---	---	---	---
3190 fert. & mixes nec	161	0	0	161	---	---	---	---
Subtotal other chemicals and related products	886	602	0	49	0	30	---	204
3212 benzene & toluene	6	6	---	---	---	---	---	---
3219 other hydrocarbons	0	---	0	---	---	---	---	---
3260 organic comp. nec	653	596	0	26	---	30	---	---
3273 ammonia	213	---	---	14	---	---	---	199
3274 sodium hydroxide	4	---	---	---	---	---	---	4
3275 inorg. elem. oxides, & halogen salts	0	---	---	0	0	---	---	---
3276 metallic salts	5	---	0	5	---	---	---	---
3279 inorganic chem. nec	0	---	0	---	---	---	---	---
3282 pigments & paints	0	0	---	0	---	---	---	---
3285 perfumes & cleansers	0	0	0	---	0	---	---	---
3286 plastics	0	0	0	0	0	---	---	---
3292 starches, gluten, glue	0	0	---	---	0	---	---	---
3299 chem. products nec	4	0	0	4	0	---	---	---
Total crude materials, inedible except fuels	908	1	1	348	558	---	---	---
Subtotal forest products, wood and chips	368	1	---	---	367	---	---	---
4110 rubber & gums	1	1	---	---	---	---	---	---
4161 wood chips	328	---	---	---	328	---	---	---
4170 wood in the rough	37	---	---	---	37	---	---	---
4189 lumber	2	0	---	---	2	---	---	---
4190 forest products nec	0	0	---	---	---	---	---	---
Subtotal pulp and waste paper	1	---	1	---	0	---	---	---
4225 pulp & waste paper	1	---	1	---	0	---	---	---
Subtotal soil, sand, gravel, rock and stone	336	---	---	336	---	---	---	---
4323 gypsum	336	---	---	336	---	---	---	---
Subtotal iron ore and scrap and scrap	38	---	1	---	37	---	---	---
4420 iron & steel scrap	38	---	1	---	37	---	---	---
Subtotal non-ferrous ores and scrap	28	---	0	12	16	---	---	---
4680 non-ferrous scrap	6	---	0	6	---	---	---	---
4690 non-ferrous ores nec	22	---	---	6	16	---	---	---
Subtotal sulphur, clay and salt	138	---	---	---	138	---	---	---
4741 sulphur, (dry)	132	---	---	---	132	---	---	---
4782 clay & refrac. mat.	6	---	---	---	6	---	---	---
Total primary manufactured goods	819	2	0	812	6	---	---	---
Subtotal paper products	3	0	0	2	0	---	---	---
5110 newsprint	2	---	---	2	---	---	---	---
5120 paper & paperboard	0	0	0	---	0	---	---	---
5190 paper products nec	0	0	---	0	0	---	---	---
Subtotal lime, cement and glass	1	1	0	0	---	---	---	---
5240 glass & glass prod.	0	0	---	0	---	---	---	---
5290 misc. mineral prod.	1	1	0	0	---	---	---	---

CARQUINEZ STRAIT, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through		Imports	Exports	Through Upbound
				Upbound	Downbnd			
Subtotal primary iron and steel products	815	1	---	809	5	---	---	---
5330 i&s plates & sheets	800	0	---	800	---	---	---	---
5360 i&s bars & shapes	3	0	---	1	2	---	---	---
5370 i&s pipe & tube	11	0	---	8	3	---	---	---
5390 primary i&s nec	0	0	---	---	0	---	---	---
Subtotal primary non-ferrous metal products	1	0	0	0	1	---	---	---
5421 copper	1	---	---	---	1	---	---	---
5480 fab. metal products	1	0	0	0	---	---	---	---
Subtotal primary wood products	0	---	---	---	0	---	---	---
5540 primary wood prod.	0	---	---	---	0	---	---	---
Total food and farm products	1,052	214	32	110	696	---	---	---
Subtotal fish	1	1	0	---	---	---	---	---
6134 fish (not shellfish)	0	0	0	---	---	---	---	---
6136 shellfish	1	1	---	---	---	---	---	---
Subtotal grain	684	2	30	0	651	---	---	---
6241 wheat	134	---	---	---	134	---	---	---
6442 rice	549	2	30	0	517	---	---	---
Subtotal oilseeds	38	0	---	0	38	---	---	---
6522 soybeans	0	0	---	---	---	---	---	---
6590 oilseeds nec	38	---	---	0	38	---	---	---
Subtotal vegetable products	8	1	1	0	6	---	---	---
6653 vegetable oils	6	0	0	0	6	---	---	---
6654 vegetables & prod.	1	1	0	0	0	---	---	---
Subtotal processed grain and animal feed	1	0	0	0	0	---	---	---
6747 grain mill products	0	0	0	0	0	---	---	---
6782 animal feed, prep.	0	0	---	---	0	---	---	---
Subtotal other agricultural products	321	210	2	109	1	---	---	---
6811 meat, fresh, frozen	1	---	0	---	0	---	---	---
6817 meat, prepared	0	0	---	---	---	---	---	---
6822 dairy products	0	0	0	---	---	---	---	---
6835 fish, prepared	1	1	---	---	---	---	---	---
6839 animals & prod. nec	0	0	0	---	---	---	---	---
6857 fruit & nuts nec	1	---	0	0	0	---	---	---
6858 fruit juices	1	1	0	0	0	---	---	---
6861 sugar	246	206	---	40	---	---	---	---
6865 molasses	68	---	---	68	---	---	---	---
6871 coffee	0	0	---	0	---	---	---	---
6872 cocoa beans	0	0	---	---	---	---	---	---
6885 alcoholic beverages	2	1	0	0	0	---	---	---
6888 water & ice	0	0	---	---	---	---	---	---
6889 food products nec	1	0	0	0	0	---	---	---
6891 tobacco & products	0	---	0	---	---	---	---	---
6893 cotton	0	---	0	---	---	---	---	---
6899 farm products nec	0	0	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	129	33	93	2	1	---	---	---
7110 machinery (not elec)	4	4	0	0	0	---	---	---
7120 electrical machinery	3	2	0	0	0	---	---	---
7210 vehicles & parts	116	23	92	0	0	---	---	---
7230 ships & boats	0	---	0	---	---	---	---	---
7300 ordnance & access.	1	0	1	---	---	---	---	---
7400 manufac. wood prod.	0	0	---	0	---	---	---	---
7500 textile products	2	1	0	0	0	---	---	---
7600 rubber & plastic pr.	1	0	0	0	0	---	---	---
7900 manufac. prod. nec	3	2	0	1	0	---	---	---
Total unknown or not elsewhere classified	0	0	0	---	---	---	---	---
9900 unknown or nec	0	0	0	---	---	---	---	---
Ton-miles (x1000) Foreign & Canadian	58,917	20,554	10,712	11,521	13,418	983	303	1,425

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	9,609	5,255	2,403	560	1,390
Total petroleum and petroleum products	8,649	4,691	2,399	191	1,369
Subtotal crude petroleum	3,958	3,635	21	39	264
2100 crude petroleum	3,958	3,635	21	39	264
Subtotal petroleum products	4,691	1,055	2,378	152	1,105
2211 gasoline	2,582	286	1,564	19	713
2330 distillate fuel oil	1,094	557	196	106	236
2340 residual fuel oil	951	213	554	27	157
2350 lube oil & greases	63	---	63	---	---

CARQUINEZ STRAIT, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total chemicals and related products	553	175	5	367	6
Subtotal fertilizers	134	---	---	134	---
3110 nitrogenous fert.	134	---	---	134	---
Subtotal other chemicals and related products	419	175	5	234	6
3212 benzene & toluene	8	8	---	---	---
3220 alcohols	18	18	---	---	---
3260 organic comp. nec	25	25	---	---	---
3273 ammonia	199	---	---	199	---
3274 sodium hydroxide	36	---	---	34	2
3293 explosives	1	---	---	0	1
3297 chemical additives	128	124	5	---	---
3298 wood & resin chem.	3	---	---	---	3
Total food and farm products	390	390	---	---	---
Subtotal other agricultural products	390	390	---	---	---
6861 sugar	390	390	---	---	---
Total all manufactured equipment, machinery and products	17	---	---	2	15
7300 ordnance & access.	3	---	---	2	1
7900 manufac. prod. nec	14	---	---	---	14
Ton-miles (x1000) Coastwise	60,534	33,070	13,815	3,917	9,731

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	6,816	4,200	326	97	807	835	411	61	78
Total petroleum and petroleum products	6,145	4,131	140	97	680	754	225	40	78
Subtotal crude petroleum	4,816	4,028	---	44	20	724	---	---	---
2100 crude petroleum	4,816	4,028	---	44	20	724	---	---	---
Subtotal petroleum products	1,329	102	140	54	660	30	225	40	78
2211 gasoline	251	45	10	30	111	---	34	21	---
2330 distillate fuel oil	314	15	20	17	183	---	45	---	33
2340 residual fuel oil	729	42	110	7	354	30	146	19	22
2350 lube oil & greases	11	---	---	---	11	---	---	---	---
2990 petro. products nec	23	---	---	---	0	---	---	---	23
Total chemicals and related products	51	17	---	---	13	---	---	20	---
Subtotal other chemicals and related products	51	17	---	---	13	---	---	20	---
3297 chemical additives	33	---	---	---	13	---	---	20	---
3299 chem. products nec	17	17	---	---	---	---	---	---	---
Total crude materials, inedible except fuels	545	52	186	---	114	6	187	---	---
Subtotal forest products, wood and chips	0	0	---	---	---	0	---	---	---
4170 wood in the rough	0	0	---	---	---	0	---	---	---
Subtotal soil, sand, gravel, rock and stone	539	52	186	---	114	---	187	---	---
4331 sand & gravel	539	52	186	---	114	---	187	---	---
Subtotal marine shells	6	---	---	---	---	6	---	---	---
4515 marine shells	6	---	---	---	---	6	---	---	---

CARQUINEZ STRAIT, CA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total primary manufactured goods	4	---	---	---	---	4	---	---	---
Subtotal lime, cement and glass	4	---	---	---	---	4	---	---	---
5290 misc. mineral prod.	4	---	---	---	---	4	---	---	---
Total food and farm products	71	0	---	---	---	71	---	---	---
Subtotal fish	0	0	---	---	---	---	---	---	---
6134 fish (not shellfish)	0	0	---	---	---	---	---	---	---
Subtotal other agricultural products	71	---	---	---	---	71	---	---	---
6865 molasses	71	---	---	---	---	71	---	---	---
Ton-miles Internal (x1000)	42,415	29,000	77	188	3,642	5,844	2,880	316	468
Tons All Traffic (x1000)				24,841					
Ton-miles All Traffic (x1000)				161,866					

SUISUN BAY CHANNEL, CA

Section Included: Suisun Bay Channel from Suisun Point at west end of Benicia-Martinez Bridge to East Reach of Middleground Island thence to mouth of New York Slough. Controlling Depth: 35.0 feet from Suisun Point to Avon Wharf; 35.0 feet to Preston Point; 35.0 feet to Middle Point; 35.0 feet through East Reach Middleground Island, 38.0 feet to mouth of New York Slough, 35.0 feet thru New York Slough. Project Depth: 35 feet from Benicia-Martinez Bridge to Avon Pier, 30 feet for remainder of channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	9,038	1990	8,156	1993	7,133	1996	7,407
1988	8,356	1991	7,289	1994	7,556		
1989	7,508	1992	6,340	1995	7,012		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign				Canadian
		Imports	Exports	Through		Through Upbound
				Upbound	Downbnd	
Total, all commodities	3,766	63	165	1,583	1,752	204
Total petroleum and petroleum products	719	63	165	0	491	---
Subtotal crude petroleum	49	49	---	---	---	---
2100 crude petroleum	49	49	---	---	---	---
Subtotal petroleum products	669	13	165	0	491	---
2221 kerosene	22	---	---	---	22	---
2330 distillate fuel oil	141	---	141	---	---	---
2340 residual fuel oil	13	13	---	---	---	---
2350 lube oil & greases	0	---	---	0	0	---
2429 naphtha & solvents	23	---	23	---	---	---
2540 petroleum coke	470	---	---	---	470	---
Total chemicals and related products	516	---	---	312	0	204
Subtotal fertilizers	263	---	---	263	---	---
3110 nitrogenous fert.	102	---	---	102	---	---
3190 fert. & mixes nec	161	---	---	161	---	---
Subtotal other chemicals and related products	253	---	---	49	0	204
3260 organic comp. nec	26	---	---	26	---	---
3273 ammonia	213	---	---	14	---	199
3274 sodium hydroxide	4	---	---	---	---	4
3275 inorg. elem., oxides, & halogen salts	0	---	---	0	0	---
3276 metallic salts	5	---	---	5	---	---
3282 pigments & paints	0	---	---	0	---	---
3285 perfumes & cleansers	0	---	---	---	0	---
3286 plastics	0	---	---	0	0	---
3292 starches, gluten, glue	0	---	---	---	0	---
3299 chem. products nec	4	---	---	4	0	---
Total crude materials, inedible except fuels	906	---	---	348	558	---
Subtotal forest products, wood and chips	367	---	---	---	367	---
4161 wood chips	328	---	---	---	328	---
4170 wood in the rough	37	---	---	---	37	---
4189 lumber	2	---	---	---	2	---
Subtotal pulp and waste paper	0	---	---	---	0	---
4225 pulp & waste paper	0	---	---	---	0	---
Subtotal soil, sand, gravel, rock and stone	336	---	---	336	---	---
4323 gypsum	336	---	---	336	---	---
Subtotal iron ore and scrap	37	---	---	---	37	---
4420 iron & steel scrap	37	---	---	---	37	---

SUISUN BAY CHANNEL, CA
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian
		Imports	Exports	Through		Through
				Upbound	Downbnd	Upbound
Subtotal non-ferrous ores and scrap	28	---	---	12	16	---
4680 non-ferrous scrap	6	---	---	6	---	---
4690 non-ferrous ores nec	22	---	---	6	16	---
Subtotal sulphur, clay and salt	138	---	---	---	138	---
4741 sulphur, (dry)	132	---	---	---	132	---
4782 clay & refrac. mat.	6	---	---	---	6	---
Total primary manufactured goods	818	---	---	812	6	---
Subtotal paper products	2	---	---	2	0	---
5110 newsprint	2	---	---	2	---	---
5120 paper & paperboard	0	---	---	---	0	---
5190 paper products nec	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	814	---	---	809	5	---
5330 i&s plates & sheets	800	---	---	800	---	---
5360 i&s bars & shapes	3	---	---	1	2	---
5370 i&s pipe & tube	11	---	---	8	3	---
5390 primary i&s nec	0	---	---	---	0	---
Subtotal primary non-ferrous metal products	1	---	---	0	1	---
5421 copper	1	---	---	---	1	---
5480 fab. metal products	0	---	---	0	---	---
Subtotal primary wood products	0	---	---	---	0	---
5540 primary wood prod.	0	---	---	---	0	---
Total food and farm products	806	---	---	110	696	---
Subtotal grain	652	---	---	0	651	---
6241 wheat	134	---	---	---	134	---
6442 rice	517	---	---	0	517	---
Subtotal oilseeds	38	---	---	0	38	---
6590 oilseeds nec	38	---	---	0	38	---
Subtotal vegetable products	6	---	---	0	6	---
6653 vegetable oils	6	---	---	0	6	---
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	110	---	---	109	1	---
6811 meat, fresh, frozen	0	---	---	---	0	---
6857 fruit & nuts nec	0	---	---	0	0	---
6858 fruit juices	0	---	---	0	0	---
6861 sugar	40	---	---	40	---	---
6865 molasses	68	---	---	68	---	---
6871 coffee	0	---	---	0	---	---
6885 alcoholic beverages	0	---	---	0	0	---
6889 food products nec	0	---	---	0	0	---
Total all manufactured equipment, machinery and products	2	---	---	2	1	---
7110 machinery (not elec)	0	---	---	0	0	---
7120 electrical machinery	1	---	---	0	0	---
7210 vehicles & parts	0	---	---	0	0	---
7400 manufac. wood prod.	0	---	---	0	---	---
7500 textile products	0	---	---	0	0	---
7600 rubber & plastic pr.	0	---	---	0	0	---
7900 manufac. prod. nec	1	---	---	1	0	---
Ton-miles (x1000)	53,542	125	329	23,750	26,285	3,053
Foreign & Canadian						

Commodity	Total	Domestic						
		Coastwise			Internal			
		Receipts	Shipments	Through Upbound	Inbound Upbound	Outbound		Through Upbound
Total, all commodities	3,641	192	1,390	367	850	21	738	82
Total petroleum and petroleum products	2,776	191	1,369	---	850	---	365	1
Subtotal crude petroleum	1,070	39	264	---	768	---	---	---
2100 crude petroleum	1,070	39	264	---	768	---	---	---
Subtotal petroleum products	1,706	152	1,105	---	83	---	365	1
products								
2211 gasoline	806	19	713	---	30	---	44	---
2330 distillate fuel oil	424	106	236	---	17	---	65	---
2340 residual fuel oil	476	27	157	---	36	---	255	1
Total chemicals and related products	373	0	6	367	---	---	---	---
Subtotal fertilizers	134	---	---	134	---	---	---	---
3110 nitrogenous fert.	134	---	---	134	---	---	---	---
Subtotal other chemicals and related products	240	0	6	234	---	---	---	---
3273 ammonia	199	---	---	199	---	---	---	---
3274 sodium hydroxide	36	---	2	34	---	---	---	---
3293 explosives	1	0	1	---	---	---	---	---
3298 wood & resin chem.	3	---	3	---	---	---	---	---

SUISUN BAY CHANNEL, CA
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Domestic						
		Coastwise			Internal			
		Receipts	Shipments	Through Upbound	Inbound Upbound	Outbound Upbound	Downbnd	Through Upbound
Total crude materials, inedible except fuels	400	---	---	---	0	21	373	6
Subtotal forest products, wood and chips	0	---	---	---	0	---	---	0
4170 wood in the rough	0	---	---	---	0	---	---	0
Subtotal soil, sand, gravel, rock and stone	394	---	---	---	---	21	373	---
4331 sand & gravel	394	---	---	---	---	21	373	---
Subtotal marine shells	6	---	---	---	---	---	---	6
4515 marine shells	6	---	---	---	---	---	---	6
Total primary manufactured goods	4	---	---	---	---	---	---	4
Subtotal lime, cement and glass	4	---	---	---	---	---	---	4
5290 misc. mineral prod.	4	---	---	---	---	---	---	4
Total food and farm products	71	---	---	---	---	---	---	71
Subtotal other agricultural products	71	---	---	---	---	---	---	71
6865 molasses	71	---	---	---	---	---	---	71
Total all manufactured equipment, machinery and products	17	2	15	---	---	---	---	---
7300 ordnance & access.	3	2	1	---	---	---	---	---
7900 manufac. prod. nec	14	---	14	---	---	---	---	---
Ton-miles (x1000) Domestic	14,692	434	2,513	5,509	1,191	147	3,714	1,185
Tons All Traffic (x1000)		7,407						
Ton-miles All Traffic (x1000)		68,234						

HUMBOLDT HARBOR AND BAY, CA

Section Included: Entrance channel to bay and channels in bay between Arcata Wharf on the north and Fields Landing on the south. Controlling Depth: Bar entrance channel, 45.1 feet; channel between the jetties, 35.0 feet; channel at intersection of Fields Landing and North Bay Channel, 27.5 feet; North Bay Channel, 34.8 feet to Standard Oil Wharf at Bucksport, 34.5 feet for remainder of channel; Samoa Channel, 34.6 feet; 30.0 feet in Samoa Turning Basin; Eureka Channel, 29.3 feet to angle in channel, 11.5 feet to "D" Street, 8.9 feet to head of project; Fields Landing Channel, 26.3 feet to Buhne Point, 29.6 feet at Buhne Point; 28.0 feet to turning basin, 28.5 feet in turning basin, 19.6 feet in southeast corner of turning basin. Project Depth: Entrance channel, 40 feet; North Bay, Samoa, and lower portion of Eureka Channel 30 feet, upper portion of Eureka Channel and Fields Landing Channel, 26 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,495	1990	1,600	1993	994	1996	1,197
1988	3,734	1991	2,301	1994	1,407		
1989	1,763	1992	1,311	1995	1,220		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports	Exports	Total	Coastwise		Internal Receipts
					Receipts	Shipments	
Total, all commodities	1,197	20	560	617	290	318	9
Total petroleum and petroleum products	285	---	---	285	285	---	---
Subtotal petroleum products	285	---	---	285	285	---	---
2211 gasoline	285	---	---	285	285	---	---
Total chemicals and related products	6	0	---	5	5	---	---
Subtotal other chemicals and related products	6	0	---	5	5	---	---
3274 sodium hydroxide	5	---	---	5	5	---	---
3275 inorg. elem., oxides, & halogen salts	0	0	---	---	---	---	---
3292 starches, gluten, glue	0	0	---	---	---	---	---
Total crude materials, inedible except fuels	894	19	557	318	---	318	---
Subtotal forest products, wood and chips	674	19	337	318	---	318	---
4161 wood chips	591	---	273	318	---	318	---
4170 wood in the rough	83	19	63	---	---	---	---
4189 lumber	0	---	0	---	---	---	---
4190 forest products nec	0	---	0	---	---	---	---
Subtotal pulp and waste paper	215	---	215	---	---	---	---
4225 pulp & waste paper	215	---	215	---	---	---	---

HUMBOLDT HARBOR AND BAY, CA
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports	Exports	Total	Coastwise		Internal Receipts
					Receipts	Shipments	
Subtotal soil, sand, gravel, rock and stone	5	---	5	---	---	---	---
4331 sand & gravel	5	---	5	---	---	---	---
Subtotal sulphur, clay and salt	0	---	0	---	---	---	---
4782 clay & refrac. mat.	0	---	0	---	---	---	---
Subtotal other non-metal. min.	0	---	0	---	---	---	---
4900 non-metal. min. nec	0	---	0	---	---	---	---
Total primary manufactured goods	3	---	3	---	---	---	---
Subtotal paper products	3	---	3	---	---	---	---
5120 paper & paperboard	3	---	3	---	---	---	---
Total food and farm products	9	---	0	9	---	---	9
Subtotal fish	9	---	---	9	---	---	9
6134 fish (not shellfish)	7	---	---	7	---	---	7
6136 shellfish	2	---	---	2	---	---	2
Subtotal other agricultural products	0	---	0	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	0	0	0	---	---	---	---
7500 textile products	0	0	---	---	---	---	---
7900 manufac. prod. nec	0	0	0	---	---	---	---

Other Harbors and Waterways 1996

Harbor or Waterway Project	Commodity	Thousand Short Tons
BERKELEY, CA	4170 wood in the rough	0
	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
BODEGA BAY, CA	6134 fish (not shellfish)	2
	6136 shellfish	0
	Total Tons(x1000)	2
CRESCENT CITY HARBOR, CA	6134 fish (not shellfish)	7
	6136 shellfish	6
	Total Tons(x1000)	13
MONTEREY HARBOR, CA	6134 fish (not shellfish)	10
	6136 shellfish	0
	Total Tons(x1000)	10
MOSS LANDING HARBOR, CA	6134 fish (not shellfish)	12
	6136 shellfish	0
	Total Tons(x1000)	12
NAPA RIVER, CA	4331 sand & gravel	20
	4900 non-metal. min. nec	80
	5290 misc. mineral prod.	0
	Total Tons(x1000)	100
	Total Ton-miles(x1000)	679
NOYO RIVER, CA	6134 fish (not shellfish)	5
	6136 shellfish	1
	Total Tons(x1000)	5
	Total Ton-miles(x1000)	5
PETALUMA RIVER, CA	4331 sand & gravel	187
	4515 marine shells	16
	5290 misc. mineral prod.	5
	Total Tons(x1000)	208
	Total Ton-miles(x1000)	2,283
PILLAR POINT HARBOR, CA	6134 fish (not shellfish)	2
	6136 shellfish	0
	Total Tons(x1000)	3
SAN RAFAEL CREEK, CA	No Commerce Reported	
SANTA CRUZ HARBOR, CA	6134 fish (not shellfish)	1
	6136 shellfish	0
	Total Tons(x1000)	1
SUISUN CHANNEL, CA	5290 misc. mineral prod.	4
	Total Tons(x1000)	4
	Total Ton-miles(x1000)	54
Non-project		
OTHER SAN FRANCISCO BAY AREA PORTS, CA (NET)	2100 crude petroleum	12,771
	2211 gasoline	21
	2221 kerosene	116
	2330 distillate fuel oil	28
	2340 residual fuel oil	545

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
OTHER SAN FRANCISCO BAY AREA PORTS, CA (NET) - continued	2350 lube oil & greases	22
	2429 naphtha & solvents	60
	2430 asphalt, tar & pitch	48
	2540 petroleum coke	70
	3220 alcohols	0
	3286 plastics	0
	4170 wood in the rough	0
	4331 sand & gravel	1,032
	4515 marine shells	22
	4741 sulphur, (dry)	61
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	0
	6134 fish (not shellfish)	1
	6136 shellfish	0
	6241 wheat	60
	6442 rice	15
	6653 vegetable oils	0
	6811 meat, fresh, frozen	0
	6857 fruit & nuts nec	0
	6885 alcoholic beverages	0
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	9900 unknown or nec	0
	Total Tons(x1000)	14,873

HILO HARBOR, HI

Section Included: Port of Hilo. Controlling Depth: 34.0 feet. Project Depth: 35 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,366	1990	1,690	1993	1,469	1996	1,442
1988	1,456	1991	1,556	1994	1,455		
1989	1,569	1992	1,588	1995	1,354		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports	Exports	Total	Coastwise	
					Receipts	Shipments
Total, all commodities	1,442	84	1	1,357	951	405
Total coal	74	74	---	---	---	---
1100 coal lignite	74	74	---	---	---	---
Total petroleum and petroleum products	275	2	---	273	273	---
Subtotal petroleum products	275	2	---	273	273	---
2211 gasoline	53	---	---	53	53	---
2330 distillate fuel oil	73	---	---	73	73	---
2340 residual fuel oil	130	---	---	130	130	---
2350 lube oil & greases	0	---	---	0	0	---
2640 liquid natural gas	17	2	---	16	16	---
2990 petro. products nec	2	---	---	2	2	---
Total chemicals and related products	24	4	---	20	18	3
Subtotal fertilizers	19	4	---	15	13	2
3120 phosphatic fert.	4	4	---	---	---	---
3190 fert. & mixes nec	15	---	---	15	13	2
Subtotal other chemicals and related products	5	---	---	5	5	0
3282 pigments & paints	1	---	---	1	1	---
3284 medicines	0	---	---	0	0	0
3285 perfumes & cleansers	3	---	---	3	3	0
3286 plastics	0	---	---	0	0	---
3291 pesticides	0	---	---	0	0	---
3293 explosives	0	---	---	0	0	---
3299 chem. products nec	0	---	---	0	0	---
Total crude materials, inedible except fuels	45	4	0	41	31	9
Subtotal forest products, wood and chips	25	---	---	25	20	5
4170 wood in the rough	0	---	---	0	---	0
4189 lumber	24	---	---	24	19	5
4190 forest products nec	1	---	---	1	1	---
Subtotal pulp and waste paper	1	---	0	0	0	---
4225 pulp & waste paper	1	---	0	0	0	---
Subtotal soil, sand, gravel, rock and stone	7	4	---	3	3	---
4331 sand & gravel	6	4	---	2	2	---
4338 soil & fill dirt	1	---	---	1	1	---
Subtotal iron ore and scrap	11	---	---	11	7	4
4420 iron & steel scrap	11	---	---	11	7	4
Subtotal other non-metal. min.	1	---	---	1	1	---
4900 non-metal. min. nec	1	---	---	1	1	---
Total primary manufactured goods	577	---	---	577	327	250
Subtotal paper products	18	---	---	18	18	0
5110 newsprint	0	---	---	0	0	---
5120 paper & paperboard	1	---	---	1	1	---
5190 paper products nec	17	---	---	17	17	0
Subtotal lime, cement and glass	22	---	---	22	22	---
5220 cement & concrete	17	---	---	17	17	---
5240 glass & glass prod.	0	---	---	0	0	---
5290 misc. mineral prod.	5	---	---	5	5	---
Subtotal primary iron and steel products	1	---	---	1	1	0
5360 i&s bars & shapes	1	---	---	1	1	---
5370 i&s pipe & tube	1	---	---	1	1	0
Subtotal primary non-ferrous metal products	532	---	---	532	281	250
5480 fab. metal products	532	---	---	532	281	250
Subtotal primary wood products	4	---	---	4	4	---
5540 primary wood prod.	4	---	---	4	4	---
Total food and farm products	178	---	---	178	113	65
Subtotal fish	0	---	---	0	0	0
6134 fish (not shellfish)	0	---	---	0	0	0
Subtotal grain	5	---	---	5	5	---
6442 rice	5	---	---	5	5	---
Subtotal vegetable products	13	---	---	13	7	6
6654 vegetables & prod.	13	---	---	13	7	6
Subtotal processed grain and animal feed	6	---	---	6	6	---
6746 wheat flour	1	---	---	1	1	---
6747 grain mill products	0	---	---	0	0	---
6781 hay & fodder	0	---	---	0	0	---
6782 animal feed, prep.	5	---	---	5	5	---
Subtotal other agricultural products	154	---	---	154	95	59
6811 meat, fresh, frozen	10	---	---	10	10	0
6822 dairy products	1	---	---	1	1	---
6839 animals & prod. nec	5	---	---	5	1	4
6857 fruit & nuts nec	1	---	---	1	1	0
6858 fruit juices	3	---	---	3	0	3
6861 sugar	14	---	---	14	0	14
6865 molasses	24	---	---	24	---	24
6871 coffee	0	---	---	0	0	0

HILO HARBOR, HI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports	Exports	Total	Coastwise	
					Receipts	Shipments
6885 alcoholic beverages	11	---	---	11	11	---
6887 groceries	9	---	---	9	9	0
6889 food products nec	72	---	---	72	61	10
6891 tobacco & products	0	---	---	0	0	---
6899 farm products nec	5	---	---	5	1	4
Total all manufactured equipment, machinery and products	268	0	1	267	190	78
7110 machinery (not elec)	4	---	1	4	3	1
7120 electrical machinery	1	---	---	1	1	0
7210 vehicles & parts	118	---	---	118	82	36
7220 aircraft & parts	0	---	---	0	0	0
7230 ships & boats	0	---	---	0	0	0
7400 manufac. wood prod.	2	---	---	2	1	1
7500 textile products	0	---	---	0	0	---
7600 rubber & plastic pr.	1	---	---	1	0	0
7900 manufac. prod. nec	142	0	---	142	102	40
Total unknown or not elsewhere classified	0	---	---	0	0	---
9900 unknown or nec	0	---	---	0	0	---

KAWAIHAE HARBOR, HI

Section Included: Port of Kawaihae. Controlling Depth: 42.0 feet in entrance channel and 36.0 feet in harbor basin. Project Depth: Harbor basin 35 feet; entrance channel 40 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	871	1990	887	1993	655	1996	969
1988	655	1991	745	1994	736		
1989	732	1992	790	1995	873		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Total, all commodities	969	732	237
Total petroleum and petroleum products	14	14	---
Subtotal petroleum products	14	14	---
2211 gasoline	11	11	---
2330 distillate fuel oil	3	3	---
2350 lube oil & greases	0	0	---
2990 petro. products nec	0	0	---
Total chemicals and related products	5	4	1
Subtotal fertilizers	3	3	---
3190 fert. & mixes nec	3	3	---
Subtotal other chemicals and related products	2	1	1
3282 pigments & paints	0	0	---
3284 medicines	0	0	---
3285 perfumes & cleansers	0	0	---
3286 plastics	1	1	---
3291 pesticides	0	0	---
3293 explosives	0	0	---
3299 chem. products nec	1	---	1
Total crude materials, inedible except fuels	34	23	11
Subtotal forest products, wood and chips	14	9	5
4189 lumber	14	8	5
4190 forest products nec	0	0	---
Subtotal pulp and waste paper	0	0	---
4225 pulp & waste paper	0	0	---
Subtotal soil, sand, gravel, rock and stone	17	12	5
4331 sand & gravel	17	12	5
4338 soil & fill dirt	0	0	---
Subtotal iron ore and scrap	3	2	1
4420 iron & steel scrap	3	2	1
Subtotal other non-metal. min.	0	0	---
4900 non-metal. min. nec	0	0	---
Total primary manufactured goods	614	479	135
Subtotal paper products	3	3	0
5110 newsprint	0	0	---
5120 paper & paperboard	0	0	---
5190 paper products nec	2	2	0
Subtotal lime, cement and glass	31	31	0
5220 cement & concrete	25	25	0
5240 glass & glass prod.	0	0	0
5290 misc. mineral prod.	6	6	---
Subtotal primary iron and steel products	1	1	0
5360 i&s bars & shapes	1	1	---
5370 i&s pipe & tube	1	1	0

KAWAIHAE HARBOR, HI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Subtotal primary non-ferrous metal products	577	442	135
5480 fab. metal products	577	442	135
Subtotal primary wood products	2	2	---
5540 primary wood prod.	2	2	---
Total food and farm products	75	51	24
Subtotal fish	0	0	---
6134 fish (not shellfish)	0	0	---
Subtotal grain	1	1	---
6442 rice	1	1	---
Subtotal vegetable products	2	2	---
6654 vegetables & prod.	2	2	---
Subtotal processed grain and animal feed	9	9	---
6746 wheat flour	0	0	---
6747 grain mill products	0	0	---
6781 hay & fodder	1	1	---
6782 animal feed, prep.	7	7	---
Subtotal other agricultural products	63	39	24
6811 meat, fresh, frozen	1	1	---
6822 dairy products	0	0	---
6839 animals & prod. nec	20	3	17
6857 fruit & nuts nec	0	0	---
6865 molasses	2	---	2
6871 coffee	0	0	0
6885 alcoholic beverages	11	11	---
6887 groceries	1	1	---
6889 food products nec	27	22	4
6899 farm products nec	2	0	1
Total all manufactured equipment, machinery and products	227	161	66
7110 machinery (not elec)	2	2	0
7120 electrical machinery	0	0	0
7210 vehicles & parts	137	93	44
7220 aircraft & parts	0	---	0
7300 ordnance & access.	0	0	0
7400 manufac. wood prod.	1	1	0
7500 textile products	0	0	---
7600 rubber & plastic pr.	0	0	---
7900 manufac. prod. nec	86	64	21

KAHULUI HARBOR, MAUI, HI

Section Included: Port of Kahului. Controlling Depth: 34.0 feet. Project Depth: 35 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	2,035	1990	2,409	1993	2,216	1996	2,828
1988	2,157	1991	2,434	1994	2,368		
1989	2,279	1992	2,357	1995	2,586		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Imports	Imports	Total	Coastwise	
				Receipts	Shipments	
Total, all commodities	2,828	67	9	2,752	1,686	1,065
Total coal	61	61	---	---	---	---
1100 coal lignite	61	61	---	---	---	---
Total petroleum and petroleum products	414	1	---	413	413	---
Subtotal petroleum products	414	1	---	413	413	---
2211 gasoline	92	---	---	92	92	---
2330 distillate fuel oil	172	---	---	172	172	---
2340 residual fuel oil	135	---	---	135	135	---
2350 lube oil & greases	1	---	---	1	1	---
2430 asphalt, tar & pitch	0	---	---	0	0	---
2640 liquid natural gas	13	1	---	12	12	---
2990 petro. products nec	1	---	---	1	1	---
Total chemicals and related products	31	0	9	22	22	1
Subtotal fertilizers	23	---	9	14	13	1
3110 nitrogenous fert.	7	---	6	1	1	---
3130 potassic fert.	3	---	3	---	---	---
3190 fert. & mixes nec	13	---	---	13	12	1
Subtotal other chemicals and related products	9	0	---	9	9	0
3274 sodium hydroxide	2	---	---	2	2	---
3275 inorg. elem. oxides, & halogen salts	0	---	---	0	0	---
3281 radioactive material	0	---	---	0	---	0
3282 pigments & paints	1	---	---	1	1	---
3284 medicines	0	---	---	0	0	---
3285 perfumes & cleansers	3	---	---	3	3	---
3286 plastics	2	---	---	2	2	---
3291 pesticides	1	---	---	1	1	---
3292 starches, gluten, glue	0	0	---	---	---	---

KAHULUI HARBOR, MAUI, HI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic		
		Imports	Imports	Total	Coastwise	
					Receipts	Shipments
3293 explosives	0	---	---	0	0	---
3299 chem. products nec	0	---	---	0	---	0
Total crude materials, inedible except fuels	190	4	---	185	145	40
Subtotal forest products, wood and chips	47	---	---	47	34	13
4189 lumber	46	---	---	46	33	13
4190 forest products nec	1	---	---	1	1	---
Subtotal pulp and waste paper	0	---	---	0	0	---
4225 pulp & waste paper	0	---	---	0	0	---
Subtotal soil, sand, gravel, rock and stone	132	4	---	128	110	18
4323 gypsum	3	---	---	---	---	---
4331 sand & gravel	128	2	---	127	108	18
4338 soil & fill dirt	1	---	---	1	1	---
Subtotal iron ore and scrap	10	---	---	10	1	9
4420 iron & steel scrap	10	---	---	10	1	9
Subtotal other non-metal. min.	1	---	---	1	1	---
4900 non-metal. min. nec	1	---	---	1	1	---
Total primary manufactured goods	1,129	0	0	1,129	659	470
Subtotal paper products	20	---	---	20	20	0
5110 newsprint	1	---	---	1	1	---
5120 paper & paperboard	1	---	---	1	1	---
5190 paper products nec	18	---	---	18	18	0
Subtotal lime, cement and glass	57	0	---	56	56	1
5220 cement & concrete	41	---	---	41	40	1
5240 glass & glass prod.	0	---	---	0	0	0
5290 misc. mineral prod.	15	0	---	15	15	---
Subtotal primary iron and steel products	7	0	---	7	7	0
5360 i&s bars & shapes	1	---	---	1	1	0
5370 i&s pipe & tube	6	---	---	6	6	0
5390 primary i&s nec	0	0	---	---	---	---
Subtotal primary non-ferrous metal products	1,039	---	0	1,039	569	469
5480 fab. metal products	1,039	---	0	1,039	569	469
Subtotal primary wood products	6	---	---	6	6	---
5540 primary wood prod.	6	---	---	6	6	---
Total food and farm products	553	1	---	552	150	402
Subtotal fish	0	---	---	0	0	0
6134 fish (not shellfish)	0	---	---	0	0	0
Subtotal grain	3	---	---	3	3	---
6442 rice	3	---	---	3	3	---
Subtotal vegetable products	10	---	---	10	10	0
6654 vegetables & prod.	10	---	---	10	10	0
Subtotal processed grain and animal feed	13	0	---	13	13	---
6746 wheat flour	1	---	---	1	1	---
6747 grain mill products	0	---	---	0	0	---
6781 hay & fodder	1	---	---	1	1	---
6782 animal feed, prep.	11	0	---	11	11	---
Subtotal other agricultural products	526	1	---	526	124	402
6811 meat, fresh, frozen	9	1	---	8	8	---
6822 dairy products	2	0	---	2	2	0
6839 animals & prod. nec	4	0	---	4	2	2
6856 bananas & plantains	0	---	---	0	0	---
6857 fruit & nuts nec	2	---	---	2	2	0
6858 fruit juices	120	---	---	120	0	120
6861 sugar	189	---	---	189	0	189
6865 molasses	84	---	---	84	---	84
6871 coffee	0	---	---	0	0	0
6885 alcoholic beverages	25	0	---	24	24	0
6887 groceries	9	---	---	9	9	---
6889 food products nec	81	---	---	81	75	6
6899 farm products nec	1	---	---	1	1	---
Total all manufactured equipment, machinery and products	450	0	---	450	298	152
7110 machinery (not elec)	7	0	---	7	6	1
7120 electrical machinery	1	---	---	1	1	0
7210 vehicles & parts	223	---	---	223	134	89
7220 aircraft & parts	0	---	---	0	0	0
7230 ships & boats	0	---	---	0	0	0
7300 ordnance & access.	0	---	---	0	---	0
7400 manufac. wood prod.	4	0	---	4	1	3
7500 textile products	0	0	---	0	0	---
7600 rubber & plastic pr.	1	0	---	1	1	0
7900 manufac. prod. nec	213	0	---	213	154	59
Total unknown or not elsewhere classified	1	0	---	1	1	---
9900 unknown or nec	1	0	---	1	1	---

BARBERS POINT HARBOR, OAHU, HI

Section Included: Barbers Point Harbor. Controlling Depth: 42 feet in the entrance channel and 37 feet in the main access channel and basin. Projects Depth: 42 feet in the entrance channel; 38 feet in the deep-draft harbor main access channel and basin; 21 feet in light-draft harbor basin. Deep draft anchorage (foreign and pipeline).

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	7,135	1990	8,034	1993	9,357	1996	8,745
1988	7,511	1991	9,002	1994	9,022		
1989	7,374	1992	8,824	1995	8,233		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			Internal Intra Upbound
		Imports	Exports	Total	Coastwise		
					Receipts	Shipments	
Total, all commodities	8,745	4,545	759	3,441	2,731	702	8
Total coal	544	544	---	---	---	---	---
1100 coal lignite	544	544	---	---	---	---	---
Total petroleum and petroleum products	7,858	3,850	656	3,352	2,706	639	8
Subtotal crude petroleum	6,328	3,640	---	2,688	2,688	---	---
2100 crude petroleum	6,328	3,640	---	2,688	2,688	---	---
Subtotal petroleum products	1,530	210	656	664	17	639	8
2211 gasoline	201	---	74	127	0	126	0
2330 distillate fuel oil	133	---	11	121	---	121	0
2340 residual fuel oil	375	---	---	375	5	365	5
2350 lube oil & greases	14	---	---	14	12	---	2
2429 naphtha & solvents	781	210	571	---	---	---	---
2640 liquid natural gas	27	---	---	27	---	27	---
Total chemicals and related products	0	0	0	---	---	---	---
Subtotal other chemicals and related products	0	0	0	---	---	---	---
3275 inorg. elem. oxides, & halogen salts	0	---	0	---	---	---	---
3281 radioactive material	0	---	0	---	---	---	---
3283 coloring mat. nec	0	0	---	---	---	---	---
3285 perfumes & cleansers	0	0	---	---	---	---	---
3286 plastics	0	0	---	---	---	---	---
3292 starches, gluten, glue	0	0	---	---	---	---	---
Total crude materials, inedible except fuels	128	0	103	24	24	---	---
Subtotal forest products, wood and chips	0	0	---	---	---	---	---
4189 lumber	0	0	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	6	---	---	6	6	---	---
4322 limestone	4	---	---	4	4	---	---
4331 sand & gravel	2	---	---	2	2	---	---
Subtotal iron ore and scrap	121	---	103	18	18	---	---
4420 iron & steel scrap	121	---	103	18	18	---	---
Subtotal marine shells	0	0	---	---	---	---	---
4515 marine shells	0	0	---	---	---	---	---
Subtotal other non-metal. min.	0	0	---	---	---	---	---
4900 non-metal. min. nec	0	0	---	---	---	---	---
Total primary manufactured goods	210	146	---	63	---	63	---
Subtotal paper products	0	0	---	---	---	---	---
5190 paper products nec	0	0	---	---	---	---	---
Subtotal lime, cement and glass	209	146	---	63	---	63	---
5220 cement & concrete	209	145	---	63	---	63	---
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	---	---	---	---	---
5480 fab. metal products	0	0	---	---	---	---	---
Subtotal primary wood products	0	0	---	---	---	---	---
5540 primary wood prod.	0	0	---	---	---	---	---
Total food and farm products	3	3	0	---	---	---	---
Subtotal fish	0	0	---	---	---	---	---
6134 fish (not shellfish)	0	0	---	---	---	---	---
6136 shellfish	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	---	---	---	---	---
Subtotal other agricultural products	2	2	0	---	---	---	---
6811 meat, fresh, frozen	1	1	---	---	---	---	---
6822 dairy products	0	0	---	---	---	---	---
6835 fish, prepared	0	0	---	---	---	---	---
6839 animals & prod. nec	0	0	---	---	---	---	---
6857 fruit & nuts nec	0	0	---	---	---	---	---
6858 fruit juices	1	1	0	---	---	---	---
6872 cocoa beans	0	0	---	---	---	---	---

BARBERS POINT HARBOR, OAHU, HI
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			Internal Intra Upbound
		Imports	Exports	Total	Coastwise		
					Receipts	Shipments	
6885 alcoholic beverages	0	0	---	---	---	---	---
6889 food products nec	0	0	---	---	---	---	---
6899 farm products nec	0	0	---	---	---	---	---
Total all manufactured equipment, machinery and products	3	2	0	0	0	---	---
7110 machinery (not elec)	0	0	---	---	---	---	---
7120 electrical machinery	0	0	---	---	---	---	---
7210 vehicles & parts	0	0	---	0	0	---	---
7400 manufac. wood prod.	0	0	---	---	---	---	---
7500 textile products	0	0	0	---	---	---	---
7600 rubber & plastic pr.	0	0	---	---	---	---	---
7900 manufac. prod. nec	1	1	0	---	---	---	---

HONOLULU HARBOR, OAHU, HI

Section included: Port of Honolulu. Controlling Depth: 45.0 feet in the entrance channel; 40.0 feet in the main harbor basin; 40.0 feet in Kapalama Basin; 40.0 feet in the connecting channel. Project Depth: 45.0 feet in the entrance channel; 40.0 feet in harbor basin, connecting channel; 23.0 feet in Kalihi Channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	9,737	1990	11,341	1993	10,595	1996	12,010
1988	10,655	1991	11,208	1994	11,672		
1989	10,360	1992	11,522	1995	11,545		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intraport
		Imports	Exports	Imports	Total	Coastwise		
						Receipts	Shipments	
Total, all commodities	12,010	1,423	189	48	10,350	5,632	4,612	107
Total coal	60	60	---	---	0	0	---	---
1100 coal lignite	60	60	---	---	---	---	---	---
1200 coal coke	0	---	---	---	0	0	---	---
Total petroleum and petroleum products	2,555	1,226	76	---	1,253	700	448	105
Subtotal crude petroleum	1,206	1,206	---	---	---	---	---	---
2100 crude petroleum	1,206	1,206	---	---	---	---	---	---
Subtotal petroleum products	1,349	20	76	---	1,253	700	448	105
2211 gasoline	405	---	---	---	405	301	95	8
2221 kerosene	3	3	---	---	---	---	---	---
2330 distillate fuel oil	162	---	---	---	162	19	140	3
2340 residual fuel oil	636	---	---	---	636	358	184	93
2350 lube oil & greases	18	0	---	---	18	4	14	---
2429 naphtha & solvents	93	17	76	---	---	---	---	---
2430 asphalt, tar & pitch	0	---	---	---	0	---	0	---
2540 petroleum coke	0	---	---	---	0	0	---	---
2640 liquid natural gas	10	---	0	---	10	1	9	---
2990 petro. products nec	22	---	---	---	22	16	5	---
Total chemicals and related products	249	4	38	1	206	147	59	---
Subtotal fertilizers	82	0	1	1	80	45	35	---
3110 nitrogenous fert.	2	0	1	1	0	0	---	---
3130 potassic fert.	0	---	0	---	0	0	---	---
3190 fert. & mixes nec	80	0	0	---	80	44	35	---
Subtotal other chemicals and related products	167	4	37	---	126	102	24	---
3219 other hydrocarbons	0	---	0	---	0	0	0	---
3220 alcohols	2	0	0	---	2	2	---	---
3230 carboxylic acids	1	0	---	---	1	1	---	---
3240 nitrogen func. comp.	0	0	0	---	0	0	---	---
3250 organo-inorganic comp.	0	0	---	---	0	0	---	---
3260 organic comp. nec	0	0	0	---	0	0	0	---
3273 ammonia	36	---	36	---	---	---	---	---
3274 sodium hydroxide	7	---	---	---	7	7	---	---
3275 inorg. elem., oxides, & halogen salts	2	0	0	---	2	2	0	---
3276 metallic salts	0	---	0	---	0	0	0	---
3279 inorganic chem. nec	0	---	0	---	0	---	0	---
3281 radioactive material	1	---	---	---	1	0	1	---
3282 pigments & paints	24	0	0	---	24	20	4	---
3283 coloring mat. nec	0	0	---	---	0	---	0	---
3284 medicines	6	0	0	---	6	6	1	---
3285 perfumes & cleansers	55	0	0	---	54	46	8	---
3286 plastics	11	1	0	---	10	7	3	---
3291 pesticides	4	0	---	---	4	3	1	---
3292 starches, gluten, glue	1	1	---	---	0	0	---	---

HONOLULU HARBOR, OAHU, HI
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intraport
		Imports	Exports	Imports	Total	Coastwise		
						Receipts	Shipments	
3293 explosives	4	2	---	---	2	1	0	---
3297 chemical additives	0	---	0	---	---	---	---	---
3298 wood & resin chem.	1	---	---	---	1	1	---	---
3299 chem. products nec	11	0	---	---	11	6	5	---
Total crude materials, inedible except fuels	527	5	40	---	482	201	280	2
Subtotal forest products, wood and chips	255	2	1	---	252	164	88	---
4150 fuel wood	1	0	---	---	1	1	---	---
4161 wood chips	0	0	---	---	---	---	---	---
4170 wood in the rough	5	0	0	---	5	5	---	---
4189 lumber	243	2	1	---	241	155	86	---
4190 forest products nec	5	0	0	---	5	3	2	---
Subtotal pulp and waste paper	42	---	34	---	8	8	0	---
4225 pulp & waste paper	42	---	34	---	8	8	0	---
Subtotal soil, sand, gravel, rock and stone	156	---	0	---	156	7	147	2
4310 building stone	1	---	---	---	1	---	1	---
4322 limestone	4	---	---	---	4	---	4	---
4323 gypsum	0	---	0	---	0	0	---	---
4331 sand & gravel	142	---	---	---	142	1	139	2
4338 soil & fill dirt	9	---	---	---	9	6	3	---
Subtotal iron ore and scrap	50	0	2	---	48	7	41	---
4410 iron ore	0	0	---	---	---	---	---	---
4420 iron & steel scrap	50	---	2	---	48	7	41	---
Subtotal marine shells	0	0	---	---	---	---	---	---
4515 marine shells	0	0	---	---	---	---	---	---
Subtotal non-ferrous ores and scrap	2	1	1	---	0	0	0	---
4630 copper ore	0	---	---	---	0	0	---	---
4670 manganese ore	1	1	---	---	---	---	---	---
4680 non-ferrous scrap	1	0	1	---	0	---	0	---
Subtotal sulphur, clay and salt	3	0	3	---	0	0	---	---
4741 sulphur (dry)	3	---	3	---	---	---	---	---
4782 clay & refrac. mat.	0	0	---	---	0	0	---	---
Subtotal other non-metal. min.	18	2	---	---	17	14	3	---
4900 non-metal. min. nec	18	2	---	---	17	14	3	---
Total primary manufactured goods	3,501	41	1	13	3,446	1,635	1,811	---
Subtotal paper products	191	1	0	13	177	125	52	---
5110 newsprint	20	---	---	13	7	4	3	---
5120 paper & paperboard	41	1	0	---	41	34	7	---
5190 paper products nec	130	1	0	---	129	87	42	---
Subtotal lime, cement and glass	235	36	0	---	199	124	75	---
5220 cement & concrete	93	32	0	---	61	21	41	---
5240 glass & glass prod.	5	2	0	---	3	3	1	---
5290 misc. mineral prod.	137	2	0	---	134	100	34	---
Subtotal primary iron and steel products	39	3	0	---	36	23	13	---
5312 pig iron	0	0	---	---	0	0	---	---
5315 ferro alloys	2	2	---	---	---	---	---	---
5320 i&s primary forms	0	---	---	---	0	0	---	---
5330 i&s plates & sheets	1	0	0	---	0	0	---	---
5360 i&s bars & shapes	26	0	0	---	26	22	3	---
5370 i&s pipe & tube	10	0	0	---	10	1	9	---
5390 primary i&s nec	0	0	0	---	0	0	---	---
Subtotal primary non-ferrous metal products	2,971	1	0	---	2,970	1,318	1,652	---
5421 copper	0	0	0	---	0	0	0	---
5422 aluminum	0	0	---	---	0	0	---	---
5429 smelted prod. nec	0	---	---	---	0	0	---	---
5480 fab. metal products	2,971	1	0	---	2,969	1,317	1,652	---
Subtotal primary wood products	65	0	0	---	64	45	19	---
5540 primary wood prod.	65	0	0	---	64	45	19	---
Total food and farm products	2,506	48	30	35	2,394	1,546	848	---
Subtotal fish	8	4	0	---	3	2	1	---
6134 fish (not shellfish)	5	2	0	---	3	2	1	---
6136 shellfish	2	2	0	---	0	---	0	---
Subtotal grain	92	3	1	35	53	40	13	---
6241 wheat	35	---	---	35	0	0	---	---
6344 corn	0	---	0	---	0	0	---	---
6442 rice	57	3	1	---	53	40	13	---
6447 sorghum grains	0	---	---	---	0	0	---	---
Subtotal oilseeds	0	0	---	---	0	0	---	---
6522 soybeans	0	0	---	---	0	0	---	---
6590 oilseeds nec	0	0	---	---	0	0	---	---
Subtotal vegetable products	223	6	0	---	217	186	31	---
6653 vegetable oils	1	0	0	---	0	0	0	---
6654 vegetables & prod.	222	6	0	---	216	186	31	---
Subtotal processed grain and animal feed	207	2	2	---	203	163	40	---
6746 wheat flour	54	0	2	---	52	48	5	---
6747 grain mill products	5	2	0	---	3	3	0	---

HONOLULU HARBOR, OAHU, HI
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intraport
		Imports	Exports	Imports	Total	Coastwise		
						Receipts	Shipments	
6781 hay & fodder	29	---	---	---	29	27	2	---
6782 animal feed, prep.	119	0	1	---	118	86	32	---
Subtotal other agricultural products	1,977	33	26	0	1,918	1,154	764	---
6811 meat, fresh, frozen	138	6	1	---	131	109	22	---
6817 meat, prepared	3	0	0	---	3	3	0	---
6822 dairy products	37	0	0	---	37	32	5	---
6835 fish, prepared	2	2	0	---	1	---	1	---
6838 tallow, animal oils	0	---	---	---	0	0	---	---
6839 animals & prod. nec	60	0	11	---	49	35	14	---
6856 bananas & plantains	11	---	---	---	11	10	1	---
6857 fruit & nuts nec	109	2	0	---	106	101	5	---
6858 fruit juices	302	2	3	---	297	126	170	---
6861 sugar	30	0	0	---	30	2	28	---
6865 molasses	313	---	---	---	313	169	144	---
6871 coffee	7	0	0	---	7	5	2	---
6872 cocoa beans	0	---	---	---	0	0	---	---
6885 alcoholic beverages	232	16	0	0	215	150	66	---
6887 groceries	107	---	---	---	107	75	32	---
6888 water & ice	0	---	0	---	---	---	---	---
6889 food products nec	573	3	12	---	558	292	266	---
6891 tobacco & products	4	0	0	---	3	3	0	---
6894 natural fibers nec	0	---	0	---	---	---	---	---
6899 farm products nec	50	0	---	---	50	42	8	---
Total all manufactured equipment, machinery and products	2,585	39	4	0	2,543	1,382	1,161	---
7110 machinery (not elec)	113	4	2	---	108	72	36	---
7120 electrical machinery	28	2	0	---	26	21	5	---
7210 vehicles & parts	894	18	1	---	875	380	495	---
7220 aircraft & parts	0	---	0	---	0	0	0	---
7230 ships & boats	2	0	0	---	2	1	1	---
7300 ordnance & access.	1	0	0	---	1	0	0	---
7400 manufac. wood prod.	59	1	0	0	58	19	40	---
7500 textile products	17	2	0	---	15	10	5	---
7600 rubber & plastic pr.	25	4	0	---	21	16	5	---
7900 manufac. prod. nec	1,446	8	0	0	1,438	863	575	---
Total unknown or not elsewhere classified	26	0	0	---	26	21	4	---
9900 unknown or nec	26	0	0	---	26	21	4	---

NAWILIWILI HARBOR, KAUAI, HI

Section Included: Port of Nawiliwili. Controlling Depth: 41.0 feet in the outer channel; 41.0 feet in the inner channel; 34.0 feet in the harbor basin.
Project Depth: 40 feet in the channel; 35 feet in the harbor basin.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	916	1990	959	1993	1,283	1996	1,203
1988	876	1991	1,005	1994	1,151		
1989	1,038	1992	1,143	1995	1,130		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Canadian Imports	Domestic		
			Total	Coastwise	
				Receipts	Shipments
Total, all commodities	1,203	7	1,197	599	598
Total petroleum and petroleum products	21	---	21	21	---
Subtotal petroleum products	21	---	21	21	---
2211 gasoline	9	---	9	9	---
2330 distillate fuel oil	3	---	3	3	---
2350 lube oil & greases	1	---	1	1	---
2640 liquid natural gas	8	---	8	8	---
2990 petro. products nec	0	---	0	0	---
Total chemicals and related products	19	7	13	11	1
Subtotal fertilizers	15	7	8	7	1
3110 nitrogenous fert.	3	3	---	---	---
3130 potassic fert.	3	3	---	---	---
3190 fert. & mixes nec	8	---	8	7	1
Subtotal other chemicals and related products	5	---	5	5	0
3282 pigments & paints	0	---	0	0	---
3284 medicines	0	---	0	0	---
3285 perfumes & cleansers	0	---	0	0	---
3286 plastics	0	---	0	0	---
3291 pesticides	0	---	0	0	---
3293 explosives	0	---	0	0	---
3299 chem. products nec	3	---	3	3	0

NAWILIWILI HARBOR, KAUAI, HI
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic		
		Imports	Total	Coastwise	
				Receipts	Shipments
Total crude materials, inedible except fuels	27	---	27	23	4
Subtotal forest products, wood and chips	13	---	13	12	1
4189 lumber	13	---	13	12	1
4190 forest products nec	0	---	0	0	---
Subtotal pulp and waste paper	0	---	0	0	---
4225 pulp & waste paper	0	---	0	0	---
Subtotal soil, sand, gravel, rock and stone	10	---	10	10	---
4331 sand & gravel	10	---	10	10	---
4338 soil & fill dirt	0	---	0	0	---
Subtotal iron ore and scrap	3	---	3	---	3
4420 iron & steel scrap	3	---	3	---	3
Subtotal other non-metal. min.	0	---	0	0	---
4900 non-metal. min. nec	0	---	0	0	---
Total primary manufactured goods	598	---	598	310	287
Subtotal paper products	4	---	4	4	---
5110 newsprint	1	---	1	1	---
5120 paper & paperboard	0	---	0	0	---
5190 paper products nec	2	---	2	2	---
Subtotal lime, cement and glass	23	---	23	23	---
5220 cement & concrete	19	---	19	19	---
5240 glass & glass prod.	0	---	0	0	---
5290 misc. mineral prod.	4	---	4	4	---
Subtotal primary iron and steel products	2	---	2	2	0
5360 i&s bars & shapes	1	---	1	1	0
5370 i&s pipe & tube	1	---	1	1	0
Subtotal primary non-ferrous metal products	567	---	567	280	287
5480 fab. metal products	567	---	567	280	287
Subtotal primary wood products	2	---	2	2	---
5540 primary wood prod.	2	---	2	2	---
Total food and farm products	300	---	300	73	227
Subtotal fish	0	---	0	0	---
6134 fish (not shellfish)	0	---	0	0	---
Subtotal grain	2	---	2	2	---
6442 rice	2	---	2	2	---
Subtotal vegetable products	4	---	4	4	0
6654 vegetables & prod.	4	---	4	4	0
Subtotal processed grain and animal feed	4	---	4	4	---
6746 wheat flour	0	---	0	0	---
6781 hay & fodder	0	---	0	0	---
6782 animal feed, prep.	3	---	3	3	---
Subtotal other agricultural products	290	---	290	63	227
6811 meat, fresh, frozen	3	---	3	3	---
6822 dairy products	1	---	1	1	---
6839 animals & prod. nec	3	---	3	1	2
6857 fruit & nuts nec	1	---	1	1	---
6858 fruit juices	0	---	0	0	0
6861 sugar	160	---	160	0	160
6865 molasses	60	---	60	---	60
6871 coffee	1	---	1	0	1
6885 alcoholic beverages	9	---	9	9	---
6887 groceries	5	---	5	5	---
6889 food products nec	46	---	46	43	4
6899 farm products nec	1	---	1	0	0
Total all manufactured equipment, machinery and products	239	---	239	161	78
7110 machinery (not elec)	3	---	3	2	0
7120 electrical machinery	0	---	0	0	0
7210 vehicles & parts	123	---	123	75	48
7220 aircraft & parts	0	---	0	---	0
7230 ships & boats	0	---	0	0	0
7300 ordnance & access.	0	---	0	0	0
7400 manufac. wood prod.	2	---	2	1	1
7500 textile products	0	---	0	0	---
7600 rubber & plastic pr.	0	---	0	0	0
7900 manufac. prod. nec	111	---	111	83	28

Other Harbors and Waterways 1996

Harbor or Waterway Project	Commodity	Thousand Short Tons
HANA HARBOR, MAUI, HI	No Commerce Reported	
KAILUA HARBOR, OAHU, HI	No Commerce Reported	
KALAUPAPA HARBOR, MOLOKAI, HI	No Commerce Reported	
KAUNAKAKAI HARBOR, MOLOKAI, HI	3190 fert. & mixes nec	0
	3299 chem. products nec	0
	4189 lumber	15
	5190 paper products nec	0
	5220 cement & concrete	2
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	1
	5480 fab. metal products	87
	6839 animals & prod. nec	6
	6889 food products nec	6
	7210 vehicles & parts	43
7300 ordnance & access.	1	
7400 manufac. wood prod.	0	
7900 manufac. prod. nec	43	
	Total Tons(x1000)	205
PORT ALLEN HARBOR, KAUAI, HI	No Commerce Reported	
WAKE ISLAND HARBOR, WAKE ISLAND	No Commerce Reported	
WELLS HARBOR, MIDWAY ISLAND	No Commerce Reported	

COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNEWICK, WA

Section Included: Columbia River and Tributaries, McNary Lock and Dam to Kennewick, WA. Controlling Depth: 20 feet. Project Depth: 14 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	6,424	1990	6,359	1993	7,218	1996	7,705
1988	7,819	1991	6,772	1994	7,927		
1989	6,073	1992	6,415	1995	8,582		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Coastwise	
		Shipments	Through Upbound
Total, all commodities	45	41	3
Total chemicals and related products	41	41	---
Subtotal fertilizers	41	41	---
3110 nitrogenous fert.	41	41	---
Total crude materials, inedible except fuels	3	---	3
Subtotal forest products, wood and chips	0	---	0
4189 lumber	0	---	0
Subtotal other non-metal. min.	3	---	3
4900 non-metal. min. nec	3	---	3
Total primary manufactured goods	0	---	0
Subtotal lime, cement and glass	0	---	0
5290 misc. mineral prod.	0	---	0
Total all manufactured equipment, machinery and products	0	---	0
7400 manufac. wood prod.	0	---	0
Ton-miles (x1000)	1,482	1,360	122
Coastwise			

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	7,660	404	7	18	1,529	1,731	3,944	27	
Total petroleum and petroleum products	2,021	313	---	1	2	1,697	8	---	
Subtotal petroleum products	2,021	313	---	1	2	1,697	8	---	
2211 gasoline	1,150	2	---	---	2	1,139	8	---	
2330 distillate fuel oil	871	311	---	1	---	558	---	---	
2429 naphtha & solvents	0	---	---	---	---	---	0	---	
Total chemicals and related products	161	76	7	16	6	27	1	27	
Subtotal fertilizers	68	6	7	10	6	11	1	27	
3110 nitrogenous fert.	68	6	7	10	6	11	1	27	
Subtotal other chemicals and related products	93	70	---	6	0	16	---	---	
3273 ammonia	64	42	---	6	---	16	---	---	
3274 sodium hydroxide	28	28	---	---	---	---	---	---	
3275 inorg. elem. oxides, & halogen salts	0	---	---	---	0	---	---	---	
Total crude materials, inedible except fuels	547	---	---	---	4	0	543	---	
Subtotal forest products, wood and chips	530	---	---	---	4	---	526	---	
4161 wood chips	300	---	---	---	---	---	300	---	
4170 wood in the rough	219	---	---	---	4	---	215	---	
4189 lumber	1	---	---	---	0	---	1	---	
4190 forest products nec	10	---	---	---	---	---	10	---	
Subtotal pulp and waste paper	15	---	---	---	---	---	15	---	
4225 pulp & waste paper	15	---	---	---	---	---	15	---	
Subtotal sulphur, clay and salt	2	---	---	---	0	---	2	---	
4782 clay & refrac. mat.	2	---	---	---	0	---	2	---	
Subtotal other non-metal. min.	0	---	---	---	0	0	0	---	
4900 non-metal. min. nec	0	---	---	---	0	0	0	---	
Total primary manufactured goods	20	2	---	---	0	0	18	---	
Subtotal paper products	13	---	---	---	---	0	13	---	
5190 paper products nec	13	---	---	---	---	0	13	---	
Subtotal lime, cement and glass	0	---	---	---	---	0	0	---	
5240 glass & glass prod.	0	---	---	---	---	---	0	---	
5290 misc. mineral prod.	0	---	---	---	---	0	0	---	

COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK AND DAM TO KENNEWICK, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Internal						
		Inbound		Outbound		Through		Intra
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Downbnd
Subtotal primary non-ferrous metal products	7	2	---	---	0	0	4	---
5422 aluminum	0	---	---	---	---	0	---	---
5480 fab. metal products	7	2	---	---	0	0	4	---
Total food and farm products	4,885	---	---	---	1,516	0	3,369	---
Subtotal grain	4,797	---	---	---	1,464	---	3,334	---
6241 wheat	4,607	---	---	---	1,457	---	3,150	---
6344 corn	4	---	---	---	4	---	0	---
6443 barley & rye	187	---	---	---	3	---	184	---
Subtotal vegetable products	34	---	---	---	9	---	25	---
6654 vegetables & prod.	34	---	---	---	9	---	25	---
Subtotal processed grain and animal feed	44	---	---	---	34	0	10	---
6747 grain mill products	8	---	---	---	0	0	8	---
6781 hay & fodder	36	---	---	---	34	---	2	---
6782 animal feed, prep.	0	---	---	---	0	---	---	---
Subtotal other agricultural products	9	---	---	---	9	0	1	---
6839 animals & prod. nec	8	---	---	---	8	---	---	---
6857 fruit & nuts nec	0	---	---	---	0	---	---	---
6889 food products nec	0	---	---	---	---	---	0	---
6899 farm products nec	0	---	---	---	---	0	0	---
Total all manufactured equipment, machinery and products	25	14	---	---	1	6	5	---
7110 machinery (not elec)	0	---	---	---	0	---	---	---
7230 ships & boats	0	---	---	---	---	---	0	---
7600 rubber & plastic pr.	0	---	---	---	0	---	0	---
7800 empty containers	25	14	---	---	1	6	5	---
7900 manufac. prod. nec	0	---	---	---	---	0	0	---
Total waste and scrap nec	1	---	---	---	1	---	0	---
8900 waste and scrap nec	1	---	---	---	1	---	0	---
Ton-miles (x1000)	242,237	3,422	233	89	39,075	60,579	138,042	797
Internal								
Tons All Traffic (x1000)		7,705						
Ton-miles All Traffic (x1000)		243,718						

SNAKE RIVER, OR, WA AND ID

Section Included: Mouth of Snake River to Johnson Bar Landing. Controlling Depth: 14 feet from mouth to Ice Harbor Lock Approach Channel; 14 feet in Ice Harbor Approach Channel; 14 feet within Ice Harbor pool; 14 feet in Lower Monumental approach channel; 14 feet within lower monumental pool; 14 feet in Little Goose Approach Channel; 14 feet within Little Goose Pool; 14 feet in Lower Granite Approach Channel; 14 feet within Lower Granite Pool; about 3 feet from head of Lower Granite Pool to Johnson Bar Landing. Project Depth: 14 feet from mouth to the Ice Harbor approach channel; 14 feet in Ice Harbor Channel; 14 feet within Ice Harbor pool; 14 feet in Lower Monumental Approach channel; 14 feet within Lower Monumental Pool; 14 feet in Little Goose Approach Channel; 14 feet in Little Goose channel; 14 feet within Little Goose pool; 14 feet in Lower Granite approach channel; 14 feet in Lower Granite Channel; 14 feet within Lower Granite Pool; 2 feet to Johnson Bar Landing.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	4,645	1990	4,804	1993	5,339	1996	5,707
1988	7,125	1991	5,053	1994	5,929		
1989	5,930	1992	4,719	1995	6,804		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Domestic						
		Coastwise	Internal					
		Through	Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound
Total, all commodities	5,707	3	1,742	2	3,189	6	763	2
Total petroleum and petroleum products	1,709	---	1,699	---	8	---	0	2
Subtotal petroleum products	1,709	---	1,699	---	8	---	0	2
2211 gasoline	1,148	---	1,139	---	8	---	---	1
2330 distillate fuel oil	561	---	559	---	---	---	---	1
2429 naphtha & solvents	0	---	---	---	---	---	0	---
Total chemicals and related products	52	---	44	---	9	---	---	---
Subtotal fertilizers	30	---	21	---	9	---	---	---
3110 nitrogenous fert.	30	---	21	---	9	---	---	---
Subtotal other chemicals and related products	22	---	22	---	---	---	---	---
3273 ammonia	22	---	22	---	---	---	---	---

SNAKE RIVER, OR, WA AND ID
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Domestic							
		Coastwise	Internal						
		Through	Inbound		Outbound		Through		Intra
		Upbound	Upbound	Upbound	Downbnd	Upbound	Downbnd	Upbound	
Total crude materials, inedible except fuels	548	3	---	2	464	0	79	---	
Subtotal forest products, wood and chips	528	---	---	2	464	---	62	---	
4161 wood chips	300	---	---	---	239	---	61	---	
4170 wood in the rough	217	---	---	2	215	---	1	---	
4189 lumber	1	---	---	---	---	---	1	---	
4190 forest products nec	10	---	---	---	10	---	---	---	
Subtotal pulp and waste paper	15	---	---	---	---	---	15	---	
4225 pulp & waste paper	15	---	---	---	---	---	15	---	
Subtotal sulphur, clay and salt	2	---	---	---	---	---	2	---	
4782 clay & refrac. mat.	2	---	---	---	---	---	2	---	
Subtotal other non-metal. min.	4	3	---	---	---	0	0	---	
4900 non-metal. min. nec	4	3	---	---	---	0	0	---	
Total primary manufactured goods	18	---	---	---	---	0	18	---	
Subtotal paper products	13	---	---	---	---	0	13	---	
5190 paper products nec	13	---	---	---	---	0	13	---	
Subtotal lime, cement and glass	0	---	---	---	---	0	0	---	
5240 glass & glass prod.	0	---	---	---	---	0	0	---	
5290 misc. mineral prod.	0	---	---	---	---	0	0	---	
Subtotal primary non-ferrous metal products	5	---	---	---	---	0	4	---	
5422 aluminum	0	---	---	---	---	0	---	---	
5480 fab. metal products	5	---	---	---	---	0	4	---	
Total food and farm products	3,369	---	---	---	2,708	0	661	---	
Subtotal grain	3,334	---	---	---	2,708	---	625	---	
6241 wheat	3,150	---	---	---	2,545	---	605	---	
6344 corn	0	---	---	---	---	---	0	---	
6443 barley & rye	184	---	---	---	163	---	20	---	
Subtotal vegetable products	25	---	---	---	---	---	25	---	
6654 vegetables & prod.	25	---	---	---	---	---	25	---	
Subtotal processed grain and animal feed	10	---	---	---	---	0	10	---	
6747 grain mill products	8	---	---	---	---	0	8	---	
6781 hay & fodder	2	---	---	---	---	---	2	---	
Subtotal other agricultural products	1	---	---	---	---	0	1	---	
6889 food products nec	0	---	---	---	---	---	0	---	
6899 farm products nec	0	---	---	---	---	0	0	---	
Total all manufactured equipment, machinery and products	11	---	---	---	---	6	5	---	
7230 ships & boats	0	---	---	---	---	---	0	---	
7600 rubber & plastic pr.	0	---	---	---	---	---	0	---	
7800 empty containers	11	---	---	---	---	6	5	---	
7900 manufac. prod. nec	0	---	---	---	---	0	0	---	
Total waste and scrap nec	0	---	---	---	---	---	0	---	
8900 waste and scrap nec	0	---	---	---	---	---	0	---	
Ton-miles (x1000)	375,875	493	18,099	13	244,695	921	111,369	284	
Tons All Traffic (x1000)			5,707						
Ton-miles All Traffic (x1000)			375,876						

TOTAL WATERBORNE COMMERCE, COLUMBIA RIVER BASIN, OR, WA, AND ID

Freight Traffic, 1996
(thousand short tons)

Locality	*Foreign		Domestic				Total	Percent	Through Traffic
	Imports	Exports	Coastwise		Internal				
			Receipts	Shipmnts	Receipts	Intraport			
CHINOOK CHANNEL, WA	---	---	---	---	2	---	2	0.00	---
CLATSKANIE RIVER, OR	---	---	---	---	---	---	---	0.00	---
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER	4,232	27,139	4,047	577	11,547	1,653	49,196	74.57	3,363
COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR	---	---	---	---	1,409	---	1,409	2.14	7,652
COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK	---	---	---	41	1,958	27	2,026	3.07	5,678
COLUMBIA RIVER AT BAKERS BAY, WA	---	---	---	---	10	---	10	0.01	---
COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES	---	---	56	---	1,775	461	2,292	3.47	8,441
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS	---	---	---	---	---	---	0.00	---	---
COWLITZ RIVER, WA	---	---	---	---	0	---	0	0.00	---
DEEP RIVER, WA	---	---	---	---	---	---	---	0.00	---
ELOKOMIN SLOUGH, WA	---	---	---	---	---	---	---	0.00	---
GRAYS RIVER, WA	---	---	---	---	---	---	---	0.00	---
LAKE RIVER, WA	---	---	---	---	---	5	5	0.01	---
LEWIS RIVER, WA	---	---	---	---	---	---	---	0.00	---
MULTNOMAH CHANNEL, OR	---	---	13	---	1,770	---	1,783	2.70	---
OREGON SLOUGH (NORTH PORTLAND HARBOR), OR	260	2,387	---	---	281	---	2,928	4.44	---
SKAMOKAWA (STEAMBOAT) SLOUGH, WA	---	---	---	---	0	---	0	0.00	---
SKAMOKAWA CREEK, WA	---	---	---	---	---	---	---	0.00	---
SKIPANON CHANNEL, OR	---	---	13	---	13	---	25	0.04	---
SNAKE RIVER, OR, WA AND ID	---	---	0	---	4,933	2	4,935	7.48	772
WESTPORT SLOUGH, OR	---	---	---	---	---	---	---	0.00	---
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER	---	---	---	---	1,070	290	1,360	2.06	---
YOUNGS BAY AND YOUNGS RIVER, OR	---	---	---	---	---	---	---	0.00	---
TOTAL (UNADJUSTED)	4,492	29,526	4,130	618	24,766	2,438	65,971	---	25,906
PERCENT (UNADJUSTED)	6.81	44.76	6.26	0.94	37.54	3.70	---	100.00	---
NET VOLUME OF TONNAGE FOR THE BASIN**	4,492	29,526	4,130	618	12,783	2,438	53,988	---	3
PERCENT (ADJUSTED)	8.32	54.69	7.65	1.15	23.68	4.52	---	100.00	---

* Through traffic not credited as such to total tonnage for Basin, but credited to projects or rivers where shipped or received.
** Adjusted to net volume by excluding duplication of internal traffic moved between the separate waterways of the Basin.

COLUMBIA RIVER ENTRANCE, OR AND WA

Section Included: Columbia River at mouth, OR and WA. Controlling Depth: 56 feet left outside quarter, 58 feet left inside, 46 feet right inside, and 41 feet right outside at mlw. Sand Island range: 47 feet left outside, 54 feet left inside, 50 feet right inside, and 48 feet right outside at mlw. Project Depth: 55/48 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	32,532	1990	38,472	1993	37,459	1996	38,799
1988	39,194	1991	37,000	1994	37,065		
1989	41,439	1992	38,174	1995	44,041		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Total	Domestic		Internal
		Through		Through			Coastwise		
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
Total, all commodities	38,799	3,703	29,399	790	126	4,781	4,133	618	29
Total coal	1	---	1	---	---	---	---	---	---
1100 coal lignite	1	---	1	---	---	---	---	---	---
Total petroleum and petroleum products	4,525	350	567	64	94	3,451	3,269	182	---
Subtotal crude petroleum	256	187	---	---	0	69	69	---	---
2100 crude petroleum	256	187	---	---	0	69	69	---	---
Subtotal petroleum products	4,269	163	567	64	93	3,382	3,200	182	---
2211 gasoline	2,051	54	---	49	---	1,949	1,911	38	---
2330 distillate fuel oil	650	---	13	8	---	629	588	41	---
2340 residual fuel oil	506	---	---	7	12	487	395	92	---

COLUMBIA RIVER ENTRANCE, OR AND WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Coastwise		Internal Through
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
2350 lube oil & greases	88	0	5	---	---	83	83	---	---
2410 petro. jelly & waxes	2	---	2	---	---	---	---	---	---
2429 naphtha & solvents	3	---	0	---	---	3	---	3	---
2430 asphalt, tar & pitch	323	92	0	---	---	232	224	8	---
2540 petroleum coke	646	18	546	---	81	---	---	---	---
2640 liquid natural gas	0	---	0	---	---	---	---	---	---
Total chemicals and related products	3,707	176	3,093	19	32	388	191	196	---
Subtotal fertilizers	467	56	257	---	---	153	96	57	---
3110 nitrogenous fert.	227	46	28	---	---	152	96	56	---
3130 potassic fert.	200	---	200	---	---	---	---	---	---
3190 fert. & mixes nec	40	10	29	---	---	1	---	1	---
Subtotal other chemicals and related products	3,240	119	2,836	19	32	235	96	139	---
3211 acyclic hydrocarbons	0	---	0	---	---	---	---	---	---
3212 benzene & toluene	71	20	---	---	---	51	51	---	---
3219 other hydrocarbons	0	---	0	---	---	---	---	---	---
3220 alcohols	91	79	2	3	---	6	---	6	---
3230 carboxylic acids	11	0	10	---	---	---	---	---	---
3240 nitrogen func. comp.	9	0	9	---	---	---	---	---	---
3250 organo-inorganic comp.	1	0	1	---	---	---	---	---	---
3260 organic comp. nec	3	0	3	---	---	---	---	---	---
3271 sulphur (liquid)	0	---	0	---	---	---	---	---	---
3272 sulphuric acid	0	0	---	---	---	---	---	---	---
3273 ammonia	61	0	0	16	---	45	45	---	---
3274 sodium hydroxide	209	---	70	---	17	121	---	121	---
3275 inorg. elem., oxides, & halogen salts	13	2	9	0	1	---	---	---	---
3276 metallic salts	2,645	8	2,624	---	13	---	---	---	---
3279 inorganic chem. nec	1	1	0	---	---	---	---	---	---
3281 radioactive material	3	---	3	---	---	---	---	---	---
3282 pigments & paints	2	0	2	---	---	---	---	---	---
3283 coloring mat. nec	0	0	0	---	---	---	---	---	---
3284 medicines	5	0	5	---	---	---	---	---	---
3285 perfumes & cleansers	12	2	10	---	---	---	---	---	---
3286 plastics	51	5	45	0	0	1	---	1	---
3291 pesticides	1	0	0	---	---	---	---	---	---
3292 starches, gluten, glue	16	0	16	---	---	---	---	---	---
3293 explosives	0	0	---	---	---	---	---	---	---
3297 chemical additives	4	0	4	---	---	---	---	---	---
3298 wood & resin chem.	16	---	5	---	---	11	---	11	---
3299 chem. products nec	14	1	13	---	---	---	---	---	---
Total crude materials, inedible except fuels	7,560	1,807	4,180	700	0	873	656	217	---
Subtotal forest products, wood and chips	3,973	19	3,207	92	0	655	437	217	---
4110 rubber & gums	0	---	0	---	---	---	---	---	---
4150 fuel wood	90	---	2	88	---	---	---	---	---
4161 wood chips	608	---	227	4	---	377	372	5	---
4170 wood in the rough	2,532	---	2,464	---	---	68	65	3	---

COLUMBIA RIVER ENTRANCE, OR AND WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Coastwise		Internal
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	Through Upbound
4189 lumber	742	19	514	0	0	209	0	209	---
4190 forest products nec	0	0	0	---	---	---	---	---	---
Subtotal pulp and waste paper	386	52	334	---	---	---	---	---	---
4225 pulp & waste paper	386	52	334	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	658	1	4	567	---	87	87	---	---
4310 building stone	0	---	0	0	---	---	---	---	---
4322 limestone	567	---	0	567	---	---	---	---	---
4323 gypsum	2	---	2	---	---	---	---	---	---
4327 phosphate rock	0	---	0	---	---	---	---	---	---
4331 sand & gravel	89	1	1	---	---	87	87	---	---
Subtotal iron ore and scrap	118	0	118	---	---	---	---	---	---
4420 iron & steel scrap	118	0	118	---	---	---	---	---	---
Subtotal non-ferrous ores and scrap	1,523	1,177	305	41	---	---	---	---	---
4630 copper ore	226	---	226	---	---	---	---	---	---
4650 aluminum ore	1,212	1,171	0	41	---	---	---	---	---
4680 non-ferrous scrap	55	0	55	---	---	---	---	---	---
4690 non-ferrous ores nec	30	6	24	---	---	---	---	---	---
Subtotal sulphur, clay and salt	190	10	180	---	---	---	---	---	---
4741 sulphur, (dry)	0	0	0	---	---	---	---	---	---
4782 clay & refrac. mat.	190	10	180	---	---	---	---	---	---
Subtotal slag	1	---	1	---	---	---	---	---	---
4860 slag	1	---	1	---	---	---	---	---	---
Subtotal other non-metal. min.	711	548	32	---	---	131	131	---	---
4900 non-metal. min. nec	711	548	32	---	---	131	131	---	---
Total primary manufactured goods	1,991	919	1,029	5	0	38	16	22	---
Subtotal paper products	772	5	758	0	---	9	---	9	---
5110 newsprint	445	0	444	---	---	1	---	1	---
5120 paper & paperboard	310	4	306	0	---	---	---	---	---
5190 paper products nec	17	1	8	---	---	8	---	8	---
Subtotal lime, cement and glass	487	416	55	0	---	16	16	0	---
5210 lime	0	---	0	---	---	---	---	---	---
5220 cement & concrete	423	406	2	---	---	15	15	---	---
5240 glass & glass prod.	7	1	6	---	---	0	---	0	---
5290 misc. mineral prod.	56	9	46	0	---	1	1	---	---
Subtotal primary iron and steel products	498	451	31	4	---	11	---	11	---
5312 pig iron	104	104	0	---	---	---	---	---	---
5315 ferro alloys	55	49	6	---	---	---	---	---	---
5320 i&s primary forms	32	32	1	---	---	---	---	---	---
5330 i&s plates & sheets	110	93	17	---	---	0	---	0	---
5360 i&s bars & shapes	39	26	2	---	---	11	---	11	---
5370 i&s pipe & tube	55	54	1	0	---	---	---	---	---
5390 primary i&s nec	103	94	4	4	---	---	---	---	---
Subtotal primary non-ferrous metal products	83	20	62	0	---	1	---	1	---
5421 copper	5	0	5	---	---	0	---	0	---
5422 aluminum	45	1	44	---	---	---	---	---	---
5429 smelted prod. nec	5	2	4	---	---	---	---	---	---
5480 fab. metal products	28	16	10	0	---	1	---	1	---

COLUMBIA RIVER ENTRANCE, OR AND WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Coastwise		Internal Through
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
Subtotal primary wood products	152	27	123	---	0	1	---	1	---
5540 primary wood prod.	152	27	123	---	0	1	---	1	---
Total food and farm products	20,372	68	20,273	2	---	29	---	---	29
Subtotal fish	34	0	4	0	---	29	---	---	29
6134 fish (not shellfish)	25	0	4	0	---	21	---	---	21
6136 shellfish	9	0	1	---	---	8	---	---	8
Subtotal grain	18,577	3	18,574	---	---	---	---	---	---
6241 wheat	13,099	---	13,099	---	---	---	---	---	---
6344 corn	4,738	---	4,738	---	---	---	---	---	---
6442 rice	3	3	0	---	---	---	---	---	---
6443 barley & rye	592	---	592	---	---	---	---	---	---
6445 oats	0	---	0	---	---	---	---	---	---
6447 sorghum grains	144	---	144	---	---	---	---	---	---
Subtotal oilseeds	296	---	296	---	---	---	---	---	---
6522 soybeans	284	---	284	---	---	---	---	---	---
6590 oilseeds nec	13	---	13	---	---	---	---	---	---
Subtotal vegetable products	311	44	267	0	---	---	---	---	---
6653 vegetable oils	50	37	13	0	---	---	---	---	---
6654 vegetables & prod.	261	7	254	0	---	---	---	---	---
Subtotal processed grain and animal feed	937	0	937	---	---	---	---	---	---
6746 wheat flour	2	0	2	---	---	---	---	---	---
6747 grain mill products	59	0	59	---	---	---	---	---	---
6781 hay & fodder	324	---	324	---	---	---	---	---	---
6782 animal feed, prep.	552	---	552	---	---	---	---	---	---
Subtotal other agricultural products	217	21	195	1	---	---	---	---	---
6811 meat, fresh, frozen	17	0	17	---	---	---	---	---	---
6817 meat, prepared	5	---	5	---	---	---	---	---	---
6822 dairy products	14	---	14	---	---	---	---	---	---
6835 fish, prepared	1	1	0	---	---	---	---	---	---
6838 tallow, animal oils	0	---	0	---	---	---	---	---	---
6839 animals & prod. nec	40	0	39	---	---	---	---	---	---
6856 bananas & plantains	0	0	---	---	---	---	---	---	---
6857 fruit & nuts nec	7	1	6	---	---	---	---	---	---
6858 fruit juices	26	8	18	0	---	---	---	---	---
6861 sugar	0	---	0	---	---	---	---	---	---
6865 molasses	13	---	13	---	---	---	---	---	---
6871 coffee	0	0	0	---	---	---	---	---	---
6872 cocoa beans	0	0	0	---	---	---	---	---	---
6885 alcoholic beverages	16	10	6	1	---	---	---	---	---
6888 water & ice	1	0	0	0	---	---	---	---	---
6889 food products nec	39	1	38	0	---	---	---	---	---
6891 tobacco & products	9	---	9	---	---	---	---	---	---
6893 cotton	14	---	14	---	---	---	---	---	---
6894 natural fibers nec	0	0	---	---	---	---	---	---	---
6899 farm products nec	15	0	15	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	627	379	245	0	1	2	1	1	---
7110 machinery (not elec)	58	10	46	0	1	1	1	0	---
7120 electrical machinery	39	13	26	0	---	---	---	---	---
7210 vehicles & parts	366	292	74	0	---	0	---	0	---
7220 aircraft & parts	0	0	0	---	---	---	---	---	---
7230 ships & boats	1	0	0	---	---	0	---	0	---

COLUMBIA RIVER ENTRANCE, OR AND WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Through		Through		Total	Coastwise		Internal Through
		Upbound	Downbnd	Upbound	Downbnd		Upbound	Downbnd	
7300 ordnance & access.	0	---	0	---	---	---	---	---	
7400 manufac. wood prod.	30	5	25	0	---	0	0	---	
7500 textile products	21	10	11	0	---	---	---	---	
7600 rubber & plastic pr.	29	8	21	0	0	---	---	---	
7900 manufac. prod. nec	82	41	41	0	0	0	---	0	
Total unknown or not elsewhere classified	16	4	12	0	0	---	---	---	
9900 unknown or nec	16	4	12	0	0	---	---	---	

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)

Section Included: Mouth to International Boundary, a distance of 745 miles. Controlling Depth: 38 feet or better between mouth of Columbia River and mouth of Willamette River; 38 feet to lower turning basin, Vancouver, WA; other channel depths range from 15 to 4 feet. Project Depth: 55/48 feet across entrance bar; 40 feet from mouth of Columbia River to mouth of Willamette River; 40 feet from mouth of Willamette River to Vancouver; Other Project Depths range from 27 to 7 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	45,726	1990	51,438	1993	51,243	1996	51,181
1988	53,829	1991	50,446	1994	50,912		
1989	54,459	1992	51,641	1995	57,124		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Total, all commodities	34,018	1,353	15,954	2,350	13,446	81	82	708	44
Total coal	1	---	---	---	1	---	---	---	---
1100 coal lignite	1	---	---	---	1	---	---	---	---
Total petroleum and petroleum products	1,074	37	515	313	52	4	81	60	12
Subtotal crude petroleum	187	---	---	187	---	---	---	---	0
2100 crude petroleum	187	---	---	187	---	---	---	---	0
Subtotal petroleum products	888	37	515	127	52	4	81	60	12
2211 gasoline	102	---	---	54	---	4	---	45	---
2330 distillate fuel oil	21	---	---	---	13	---	---	8	---
2340 residual fuel oil	19	---	---	---	---	---	---	7	12
2350 lube oil & greases	5	0	0	---	4	---	---	---	---
2410 petro. jelly & waxes	2	---	0	---	2	---	---	---	---
2429 naphtha & solvents	0	---	---	---	0	---	---	---	---
2430 asphalt, tar & pitch	92	18	0	73	0	---	---	---	---
2540 petroleum coke	646	18	514	---	32	---	81	---	---
2640 liquid natural gas	0	---	---	---	0	---	---	---	---
Total chemicals and related products	3,319	100	650	76	2,443	---	0	19	32
Subtotal fertilizers	314	52	240	5	17	---	---	---	---
3110 nitrogenous fert.	75	42	28	5	0	---	---	---	---
3130 potassic fert.	200	---	188	---	12	---	---	---	---
3190 fert. & mixes nec	39	10	23	---	5	---	---	---	---

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Subtotal other chemicals and related products	3,006	48	410	71	2,425	---	0	19	32
3211 acyclic hydrocarbons	0	---	---	---	0	---	---	---	---
3212 benzene & toluene	20	20	---	---	---	---	---	---	---
3219 other hydrocarbons	0	---	0	---	0	---	---	---	---
3220 alcohols	85	22	0	57	2	---	---	3	---
3230 carboxylic acids	11	---	0	0	10	---	---	---	---
3240 nitrogen func. comp.	9	---	0	0	9	---	---	---	---
3250 organo-inorganic comp.	1	---	0	0	1	---	---	---	---
3260 organic comp. nec	3	---	0	0	3	---	---	---	---
3271 sulphur (liquid)	0	---	---	---	0	---	---	---	---
3272 sulphuric acid	0	---	---	0	---	---	---	---	---
3273 ammonia	16	---	---	0	0	---	---	16	---
3274 sodium hydroxide	88	---	60	---	10	---	---	---	17
3275 inorg. elem., oxides, & halogen salts	13	---	0	2	9	---	---	0	1
3276 metallic salts	2,645	6	341	2	2,283	---	---	---	13
3279 inorganic chem. nec	1	---	---	1	0	---	---	---	---
3281 radioactive material	3	---	3	---	0	---	---	---	---
3282 pigments & paints	2	---	0	0	2	---	---	---	---
3283 coloring mat. nec	0	---	---	0	0	---	---	---	---
3284 medicines	5	---	0	0	5	---	---	---	---
3285 perfumes & cleansers	12	---	0	2	10	---	---	---	---
3286 plastics	51	---	2	5	43	---	0	0	0
3291 pesticides	1	---	0	0	0	---	---	---	---
3292 starches, gluten, glue	16	---	0	0	16	---	---	---	---
3293 explosives	0	---	---	0	---	---	---	---	---
3297 chemical additives	4	---	0	0	4	---	---	---	---
3298 wood & resin chem.	5	---	1	---	4	---	---	---	---
3299 chem. products nec	14	---	0	1	13	---	---	---	---
Total crude materials, inedible except fuels	6,687	988	3,101	819	1,079	77	0	623	---
Subtotal forest products, wood and chips	3,318	7	2,552	12	655	77	0	15	---
4110 rubber & gums	0	---	0	---	0	---	---	---	---
4150 fuel wood	90	---	---	---	2	77	---	11	---
4161 wood chips	231	---	78	---	149	---	---	4	---
4170 wood in the rough	2,464	---	2,273	---	191	---	---	---	---
4189 lumber	533	7	201	12	313	---	0	0	---
4190 forest products nec	0	---	0	0	0	---	---	---	---
Subtotal pulp and waste paper	386	52	117	0	217	---	---	---	---
4225 pulp & waste paper	386	52	117	0	217	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	571	---	0	1	4	---	---	567	---
4310 building stone	0	---	---	---	0	---	---	0	---
4322 limestone	567	---	0	---	0	---	---	567	---
4323 gypsum	2	---	---	---	2	---	---	---	---
4327 phosphate rock	0	---	---	---	0	---	---	---	---
4331 sand & gravel	2	---	0	1	1	---	---	---	---
Subtotal iron ore and scrap	118	---	0	0	118	---	---	---	---
4420 iron & steel scrap	118	---	0	0	118	---	---	---	---
Subtotal non-ferrous ores and scrap	1,523	842	250	336	55	---	---	41	---
4630 copper ore	226	---	226	---	0	---	---	---	---

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
4650 aluminum ore	1,212	836	0	335	0	---	---	41	---
4680 non-ferrous scrap	55	---	0	0	54	---	---	---	---
4690 non-ferrous ores nec	30	6	24	---	0	---	---	---	---
Subtotal sulphur, clay and salt	190	10	162	0	18	---	---	---	---
4741 sulphur, (dry)	0	---	---	0	0	---	---	---	---
4782 clay & refrac. mat.	190	10	162	---	18	---	---	---	---
Subtotal slag	1	---	---	---	1	---	---	---	---
4860 slag	1	---	---	---	1	---	---	---	---
Subtotal other non-metal. min.	580	76	20	471	12	---	---	---	---
4900 non-metal. min. nec	580	76	20	471	12	---	---	---	---
Total primary manufactured goods	1,952	186	400	733	629	0	0	5	---
Subtotal paper products	763	0	361	5	397	---	---	0	---
5110 newsprint	444	---	354	0	91	---	---	---	---
5120 paper & paperboard	310	0	7	4	298	---	---	0	---
5190 paper products nec	9	0	0	1	8	---	---	---	---
Subtotal lime, cement and glass	471	24	7	391	48	---	---	0	---
5210 lime	0	---	---	---	0	---	---	---	---
5220 cement & concrete	408	24	---	381	2	---	---	---	---
5240 glass & glass prod.	7	---	0	1	6	---	---	---	---
5290 misc. mineral prod.	56	0	6	9	39	---	---	0	---
Subtotal primary iron and steel products	487	137	1	314	30	0	---	4	---
5312 pig iron	104	---	---	104	0	---	---	---	---
5315 ferro alloys	55	8	0	41	6	---	---	---	---
5320 i&s primary forms	32	13	0	19	0	---	---	---	---
5330 i&s plates & sheets	110	52	0	40	17	---	---	---	---
5360 i&s bars & shapes	28	13	---	12	2	---	---	---	---
5370 i&s pipe & tube	55	43	0	11	1	0	---	0	---
5390 primary i&s nec	103	8	0	87	4	---	---	4	---
Subtotal primary non-ferrous metal products	82	0	21	19	41	---	---	0	---
5421 copper	5	---	0	0	5	---	---	---	---
5422 aluminum	45	---	20	1	23	---	---	---	---
5429 smelted prod. nec	5	0	0	2	4	---	---	---	---
5480 fab. metal products	26	0	0	16	10	---	---	0	---
Subtotal primary wood products	150	24	10	3	112	---	0	---	---
5540 primary wood prod.	150	24	10	3	112	---	0	---	---
Total food and farm products	20,343	12	11,271	56	9,002	0	---	1	---
Subtotal fish	5	0	0	0	4	0	---	0	---
6134 fish (not shellfish)	4	0	0	0	4	0	---	0	---
6136 shellfish	1	---	---	0	1	---	---	---	---
Subtotal grain	18,577	---	10,782	3	7,791	---	---	---	---
6241 wheat	13,099	---	5,831	---	7,268	---	---	---	---
6344 corn	4,738	---	4,669	---	69	---	---	---	---
6442 rice	3	---	---	3	0	---	---	---	---
6443 barley & rye	592	---	138	---	454	---	---	---	---
6445 oats	0	---	---	---	0	---	---	---	---
6447 sorghum grains	144	---	144	---	---	---	---	---	---
Subtotal oilseeds	296	---	209	---	87	---	---	---	---
6522 soybeans	284	---	204	---	79	---	---	---	---
6590 oilseeds nec	13	---	5	---	8	---	---	---	---

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Imports	Exports	Through		Imports	Exports	Through	
				Upbound	Downbnd			Upbound	Downbnd
Subtotal vegetable products	311	12	12	32	255	---	---	0	---
6653 vegetable oils	50	12	6	25	6	---	---	0	---
6654 vegetables & prod.	261	---	5	7	249	---	---	0	---
Subtotal processed grain and animal feed	937	---	263	0	674	---	---	---	---
6746 wheat flour	2	---	---	0	2	---	---	---	---
6747 grain mill products	59	---	6	0	53	---	---	---	---
6781 hay & fodder	324	---	8	---	316	---	---	---	---
6782 animal feed, prep.	552	---	248	---	304	---	---	---	---
Subtotal other agricultural products	217	0	4	21	191	---	---	1	---
6811 meat, fresh, frozen	17	---	1	0	16	---	---	---	---
6817 meat, prepared	5	---	0	---	5	---	---	---	---
6822 dairy products	14	---	0	---	14	---	---	---	---
6835 fish, prepared	1	0	---	1	0	---	---	---	---
6838 tallow, animal oils	0	---	---	---	0	---	---	---	---
6839 animals & prod. nec	40	---	1	0	38	---	---	---	---
6856 bananas & plantains	0	---	---	0	---	---	---	---	---
6857 fruit & nuts nec	7	0	0	1	6	---	---	---	---
6858 fruit juices	26	---	0	8	18	---	---	0	---
6861 sugar	0	---	---	---	0	---	---	---	---
6865 molasses	13	---	---	---	13	---	---	---	---
6871 coffee	0	0	---	0	0	---	---	---	---
6872 cocoa beans	0	---	---	0	0	---	---	---	---
6885 alcoholic beverages	16	0	0	10	6	---	---	1	---
6888 water & ice	1	---	---	0	0	---	---	0	---
6889 food products nec	39	---	1	1	38	---	---	0	---
6891 tobacco & products	9	---	---	---	9	---	---	---	---
6893 cotton	14	---	0	---	14	---	---	---	---
6894 natural fibers nec	0	---	---	0	---	---	---	---	---
6899 farm products nec	15	0	0	0	14	---	---	---	---
Total all manufactured equipment, machinery and products	625	29	14	350	231	0	0	0	0
7110 machinery (not elec)	57	0	1	10	45	---	0	0	0
7120 electrical machinery	39	0	1	13	25	---	---	0	---
7210 vehicles & parts	366	26	6	266	68	---	---	0	---
7220 aircraft & parts	0	---	---	0	0	---	---	---	---
7230 ships & boats	1	0	---	0	0	---	---	---	---
7300 ordnance & access.	0	---	---	---	0	---	---	---	---
7400 manufac. wood prod.	30	2	1	2	24	---	---	0	---
7500 textile products	21	0	1	10	9	0	---	0	---
7600 rubber & plastic pr.	29	0	2	8	19	---	---	0	0
7900 manufac. prod. nec	82	0	1	41	40	0	0	0	0
Total unknown or not elsewhere classified	16	2	3	2	9	---	---	0	0
9900 unknown or nec	16	2	3	2	9	---	---	0	0
Ton-miles Foreign & Canadian (x1000)	3,117,265	122,899	1,305,147	238,337	1,367,576	1,788	5,459	71,613	4,446

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	4,751	638	347	3,495	271
Total petroleum and petroleum products	3,451	52	26	3,217	156
Subtotal crude petroleum	69	---	---	69	---
2100 crude petroleum	69	---	---	69	---
Subtotal petroleum products	3,382	52	26	3,147	156
2211 gasoline	1,949	42	6	1,869	31
2330 distillate fuel oil	629	---	11	588	30
2340 residual fuel oil	487	10	8	384	83
2350 lube oil & greases	83	---	---	83	---
2429 naphtha & solvents	3	---	---	---	3
2430 asphalt, tar & pitch	232	---	---	224	8
Total chemicals and related products	388	51	110	140	86
Subtotal fertilizers	153	---	57	96	---
3110 nitrogenous fert.	152	---	56	96	---
3190 fert. & mixes nec	1	---	1	---	---
Subtotal other chemicals and related products	235	51	53	45	86
3212 benzene & toluene	51	51	---	---	---
3220 alcohols	6	---	---	---	6
3273 ammonia	45	---	---	45	---
3274 sodium hydroxide	121	---	42	---	79
3286 plastics	1	---	---	---	1
3298 wood & resin chem.	11	---	11	---	---
Total crude materials, inedible except fuels	873	533	204	123	13
Subtotal forest products, wood and chips	655	405	204	32	13
4161 wood chips	377	372	5	---	---
4170 wood in the rough	68	33	---	32	3
4189 lumber	209	---	199	0	10
Subtotal soil, sand, gravel, rock and stone	87	---	---	87	---
4331 sand & gravel	87	---	---	87	---
Subtotal other non-metal. min.	131	128	---	3	---
4900 non-metal. min. nec	131	128	---	3	---
Total primary manufactured goods	38	1	7	15	16
Subtotal paper products	9	---	6	---	2
5110 newsprint	1	---	1	---	---
5190 paper products nec	8	---	6	---	2
Subtotal lime, cement and glass	16	1	---	15	0
5220 cement & concrete	15	---	---	15	---
5240 glass & glass prod.	0	---	---	---	0
5290 misc. mineral prod.	1	1	---	0	---
Subtotal primary iron and steel products	11	---	---	---	11
5330 i&s plates & sheets	0	---	---	---	0
5360 i&s bars & shapes	11	---	---	---	11
Subtotal primary non-ferrous metal products	1	---	---	---	1
5421 copper	0	---	---	---	0
5480 fab. metal products	1	---	---	---	1
Subtotal primary wood products	1	---	0	---	1
5540 primary wood prod.	1	---	0	---	1
Total all manufactured equipment, machinery and products	2	1	---	0	1
7110 machinery (not elec)	1	1	---	---	0
7210 vehicles & parts	0	---	---	---	0
7230 ships & boats	0	---	---	---	0
7400 manufac. wood prod.	0	---	---	0	0
7900 manufac. prod. nec	0	---	---	---	0
Ton-miles (x1000)	456,059	39,841	36,219	352,642	27,357
Coastwise					

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	12,411	1,106	2,028	350	1,818	1,819	2,211	816	2,265
Total petroleum and petroleum products	2,608	623	207	53	10	1,697	8	9	2
Subtotal petroleum products	2,608	623	207	53	10	1,697	8	9	2
2211 gasoline	1,157	4	---	18	5	1,122	8	---	---
2330 distillate fuel oil	876	313	---	25	---	534	---	4	---
2340 residual fuel oil	545	290	196	10	2	40	---	5	2
2350 lube oil & greases	27	16	11	---	---	1	---	---	0
2429 naphtha & solvents	0	---	---	---	---	---	0	---	---
2540 petroleum coke	3	---	0	---	2	---	---	---	---

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total chemicals and related products	196	76	9	18	0	26	---	29	39
Subtotal fertilizers	103	6	9	11	---	10	---	29	39
3110 nitrogenous fert.	103	6	9	11	---	10	---	29	39
Subtotal other chemicals and related products	93	70	---	6	0	16	---	---	---
3273 ammonia	64	42	---	6	---	16	---	---	---
3274 sodium hydroxide	28	28	---	---	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	---	---	0	---	---	---	---
Total crude materials, inedible except fuels	2,796	355	615	1	213	78	7	555	972
Subtotal forest products, wood and chips	1,825	92	578	---	1	---	5	372	777
4150 fuel wood	20	6	14	---	---	---	---	---	---
4161 wood chips	1,220	86	341	---	1	---	---	352	441
4170 wood in the rough	574	---	217	---	0	---	1	20	336
4189 lumber	1	---	---	---	0	---	1	---	---
4190 forest products nec	10	---	7	---	---	---	3	---	---
Subtotal pulp and waste paper	68	1	37	1	---	---	---	22	8
4225 pulp & waste paper	68	1	37	1	---	---	---	22	8
Subtotal soil, sand, gravel, rock and stone	897	262	---	---	210	78	---	162	186
4331 sand & gravel	897	262	---	---	210	78	---	162	186
Subtotal iron ore and scrap	3	---	---	---	3	---	---	---	---
4420 iron & steel scrap	3	---	---	---	3	---	---	---	---
Subtotal sulphur, clay and salt	2	---	---	---	0	---	2	---	---
4782 clay & refrac. mat.	2	---	---	---	0	---	2	---	---
Subtotal other non-metal. min. min. nec	0	---	---	---	0	0	0	---	---
4900 non-metal. min. nec	0	---	---	---	0	0	0	---	---
Total primary manufactured goods	580	4	2	278	268	1	18	8	1
Subtotal paper products	571	2	2	278	268	0	13	8	1
5120 paper & paperboard	558	2	2	278	268	---	---	8	1
5190 paper products nec	13	---	---	---	---	0	13	---	---
Subtotal lime, cement and glass	0	---	---	---	---	0	0	---	---
5240 glass & glass prod.	0	---	---	---	---	---	0	---	---
5290 misc. mineral prod.	0	---	---	---	---	0	0	---	---
Subtotal primary iron and steel products	0	---	---	---	0	---	---	0	---
5360 i&s bars & shapes	0	---	---	---	0	---	---	0	---
Subtotal primary non-ferrous metal products	9	2	---	---	0	1	4	1	---
5422 aluminum	0	---	---	---	---	0	---	---	---
5480 fab. metal products	9	2	---	---	0	1	4	1	---
Total food and farm products	5,855	22	1,196	---	1,234	11	2,173	8	1,211
Subtotal fish	29	18	---	---	---	11	---	---	---
6134 fish (not shellfish)	21	12	---	---	---	9	---	---	---
6136 shellfish	8	6	---	---	---	2	---	---	---

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal grain	5,729	4	1,196	---	1,172	---	2,138	8	1,211
6241 wheat	5,524	4	1,163	---	1,154	---	1,986	8	1,208
6344 corn	4	---	---	---	4	---	0	---	---
6443 barley & rye	201	---	32	---	15	---	151	---	3
Subtotal	34	---	---	---	9	---	25	---	---
vegetable products									
6654 vegetables & prod.	34	---	---	---	9	---	25	---	---
Subtotal	54	---	---	---	44	0	10	---	---
processed grain and animal feed									
6747 grain mill products	8	---	---	---	0	0	8	---	---
6781 hay & fodder	47	---	---	---	44	---	2	---	---
6782 animal feed, prep.	0	---	---	---	0	---	---	---	---
Subtotal other agricultural products	9	---	---	---	9	0	1	---	---
6839 animals & prod. nec	8	---	---	---	8	---	---	---	---
6857 fruit & nuts nec	0	---	---	---	0	---	---	---	---
6889 food products nec	0	---	---	---	---	---	0	---	---
6899 farm products nec	0	---	---	---	---	0	0	---	---
Total all manufactured equipment, machinery and products	169	21	---	---	92	6	5	5	41
7110 machinery (not elec)	0	---	---	---	0	---	---	---	---
7230 ships & boats	0	---	---	---	---	---	0	---	---
7600 rubber & plastic pr.	0	---	---	---	0	---	0	---	---
7800 empty containers	142	21	---	---	64	6	5	5	41
7900 manufac. prod. nec	28	---	---	---	27	0	0	---	---
Total waste and scrap nec	206	5	---	---	1	---	0	201	---
8900 waste and scrap nec	206	5	---	---	1	---	0	201	---
Ton-miles Internal (x1000)	2,006,824	86,568	403,030	27,087	241,041	375,132	490,576	53,163	330,227
Tons All Traffic (x1000)			51,181						
Ton-miles All Traffic (x1000)			5,580,148						

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR

Section Included: Columbia River from mouth to the mouth of Willamette River; Willamette River from mouth to Broadway Bridge at Portland, OR, a distance of 113 miles; Columbia River from mouth of Willamette River to Interstate Bridge, Vancouver, WA, a distance of 5 miles. Controlling Depth: Mouth of Columbia River to mouth of Willamette and up the Willamette to Broadway Bridge in Portland, 38 feet; in the reach of Columbia River from the mouth of Willamette River to the lower turning basin at Vancouver, WA, 38 feet. Project Depth: 40 feet in main channel from mouth of Columbia River to Broadway Bridge at Portland, OR; 40 feet in Columbia River from mouth of Willamette River to Railroad Bridge, Vancouver, WA; 35 feet from Railroad Bridge to Interstate Bridge, Vancouver, WA.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	45,662	1990	51,479	1993	50,566	1996	52,559
1988	53,694	1991	50,622	1994	50,703		
1989	54,756	1992	50,890	1995	58,446		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through		Imports	Exports	Through Upbound
				Upbound	Downbnd			
Total, all commodities	34,018	3,462	27,013	241	2,386	770	126	19
Total coal	1	---	---	---	1	---	---	---
1100 coal lignite	1	---	---	---	1	---	---	---

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through		Imports	Exports	Through Upbound
				Upbound	Downbnd			
Total petroleum and petroleum products	1,074	350	559	---	7	64	94	---
Subtotal crude petroleum	187	187	---	---	---	---	0	---
2100 crude petroleum	187	187	---	---	---	---	0	---
Subtotal petroleum products	888	163	559	---	7	64	93	---
2211 gasoline	102	54	---	---	---	49	---	---
2330 distillate fuel oil	21	---	13	---	---	8	---	---
2340 residual fuel oil	19	---	---	---	---	7	12	---
2350 lube oil & greases	5	0	0	---	4	---	---	---
2410 petro. jelly & waxes	2	---	0	---	2	---	---	---
2429 naphtha & solvents	0	---	---	---	0	---	---	---
2430 asphalt, tar & pitch	92	92	0	---	0	---	---	---
2540 petroleum coke	646	18	546	---	0	---	81	---
2640 liquid natural gas	0	---	---	---	0	---	---	---
Total chemicals and related products	3,319	164	2,944	12	149	16	32	3
Subtotal fertilizers	314	56	253	---	4	---	---	---
3110 nitrogenous fert.	75	46	28	---	0	---	---	---
3130 potassic fert.	200	---	200	---	---	---	---	---
3190 fert. & mixes nec	39	10	24	---	4	---	---	---
Subtotal other chemicals and related products	3,006	107	2,691	12	144	16	32	3
3211 acyclic hydrocarbons	0	---	---	---	0	---	---	---
3212 benzene & toluene	20	20	---	---	---	---	---	---
3219 other hydrocarbons	0	---	0	---	0	---	---	---
3220 alcohols	85	79	0	1	2	---	---	3
3230 carboxylic acids	11	0	0	0	10	---	---	---
3240 nitrogen func. comp.	9	0	0	0	8	---	---	---
3250 organo-inorganic comp.	1	---	0	0	1	---	---	---
3260 organic comp. nec	3	---	0	0	3	---	---	---
3271 sulphur (liquid)	0	---	---	---	0	---	---	---
3272 sulphuric acid	0	---	---	0	---	---	---	---
3273 ammonia	16	---	---	0	0	16	---	---
3274 sodium hydroxide	88	---	70	---	0	---	17	---
3275 inorg. elem., oxides, & halogen salts	13	0	1	2	9	---	1	0
3276 metallic salts	2,645	8	2,607	0	17	---	13	---
3279 inorganic chem. nec	1	---	---	1	0	---	---	---
3281 radioactive material	3	---	3	---	0	---	---	---
3282 pigments & paints	2	---	0	0	2	---	---	---
3283 coloring mat. nec	0	---	---	0	0	---	---	---
3284 medicines	5	---	0	0	5	---	---	---
3285 perfumes & cleansers	12	0	1	2	9	---	---	---
3286 plastics	51	1	3	4	42	---	0	0
3291 pesticides	1	---	0	0	0	---	---	---
3292 starches, gluten, glue	16	0	3	0	14	---	---	---
3293 explosives	0	0	---	0	---	---	---	---
3297 chemical additives	4	---	0	0	4	---	---	---
3298 wood & resin chem.	5	---	2	---	3	---	---	---
3299 chem. products nec	14	0	0	1	13	---	---	---
Total crude materials, inedible except fuels	6,687	1,803	3,610	4	570	686	0	14
Subtotal forest products, wood and chips	3,318	16	2,913	3	293	78	0	14
4110 rubber & gums	0	---	0	---	0	---	---	---
4150 fuel wood	90	---	---	---	2	77	---	11
4161 wood chips	231	---	226	---	0	1	---	3
4170 wood in the rough	2,464	---	2,446	---	18	---	---	---
4189 lumber	533	16	241	3	273	---	0	0
4190 forest products nec	0	---	0	0	0	---	---	---
Subtotal pulp and waste paper	386	52	153	0	181	---	---	---
4225 pulp & waste paper	386	52	153	0	181	---	---	---
Subtotal soil, sand, gravel, rock and stone	571	0	0	1	4	567	---	0
4310 building stone	0	---	---	---	0	---	---	0
4322 limestone	567	---	0	---	0	567	---	---
4323 gypsum	2	---	---	---	2	---	---	---
4327 phosphate rock	0	---	---	---	0	---	---	---
4331 sand & gravel	2	0	0	1	1	---	---	---
Subtotal iron ore and scrap	118	---	100	0	18	---	---	---
4420 iron & steel scrap	118	---	100	0	18	---	---	---
Subtotal non-ferrous ores and scrap	1,523	1,177	251	---	54	41	---	---
4630 copper ore	226	---	226	---	---	---	---	---
4650 aluminum ore	1,212	1,171	0	---	0	41	---	---
4680 non-ferrous scrap	55	0	1	---	54	---	---	---
4690 non-ferrous ores nec	30	6	24	---	0	---	---	---
Subtotal sulphur, clay and salt	190	10	173	0	7	---	---	---
4741 sulphur, (dry)	0	---	---	0	0	---	---	---
4782 clay & refrac. mat.	190	10	173	---	7	---	---	---
Subtotal slag	1	---	---	---	1	---	---	---
4860 slag	1	---	---	---	1	---	---	---
Subtotal other non-metal. min.	580	548	21	0	11	---	---	---
4900 non-metal. min. nec	580	548	21	0	11	---	---	---

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through		Imports	Exports	Through Upbound
				Upbound	Downbnd			
Total primary manufactured goods	1,952	884	458	35	571	4	0	1
Subtotal paper products	763	1	402	4	357	---	---	0
5110 newsprint	444	---	354	0	90	---	---	---
5120 paper & paperboard	310	1	45	3	260	---	---	0
5190 paper products nec	9	0	2	1	7	---	---	---
Subtotal lime, cement and glass	471	409	17	7	38	---	---	0
5210 lime	0	---	---	---	0	---	---	---
5220 cement & concrete	408	406	---	---	2	---	---	---
5240 glass & glass prod.	7	0	1	1	6	---	---	---
5290 misc. mineral prod.	56	3	16	6	30	---	---	0
Subtotal primary iron and steel products	487	444	2	7	30	4	---	0
5312 pig iron	104	104	---	---	0	---	---	---
5315 ferro alloys	55	49	0	0	6	---	---	---
5320 i&s primary forms	32	32	0	---	0	---	---	---
5330 i&s plates & sheets	110	92	1	1	16	---	---	---
5360 i&s bars & shapes	28	25	0	1	2	---	---	---
5370 i&s pipe & tube	55	53	0	1	0	0	---	0
5390 primary i&s nec	103	90	0	4	4	4	---	---
Subtotal primary non-ferrous metal products	82	3	23	16	40	---	---	0
5421 copper	5	---	0	0	5	---	---	---
5422 aluminum	45	1	21	1	22	---	---	---
5429 smelted prod. nec	5	0	0	1	3	---	---	---
5480 fab. metal products	26	3	1	14	9	---	---	0
Subtotal primary wood products	150	26	15	1	107	---	0	---
5540 primary wood prod.	150	26	15	1	107	---	0	---
Total food and farm products	20,343	50	19,386	18	887	0	---	1
Subtotal fish	5	0	0	---	4	0	---	0
6134 fish (not shellfish)	4	0	0	---	3	0	---	0
6136 shellfish	1	0	---	---	1	---	---	---
Subtotal grain	18,577	---	18,519	3	54	---	---	---
6241 wheat	13,099	---	13,062	---	38	---	---	---
6344 corn	4,738	---	4,722	---	16	---	---	---
6442 rice	3	---	0	3	---	---	---	---
6443 barley & rye	592	---	592	---	0	---	---	---
6445 oats	0	---	---	---	0	---	---	---
6447 sorghum grains	144	---	144	---	---	---	---	---
Subtotal oilseeds	296	---	268	---	28	---	---	---
6522 soybeans	284	---	263	---	20	---	---	---
6590 oilseeds nec	13	---	5	---	8	---	---	---
Subtotal vegetable products	311	38	38	6	230	---	---	0
6653 vegetable oils	50	37	12	0	0	---	---	0
6654 vegetables & prod.	261	1	25	5	229	---	---	0
Subtotal processed grain and animal feed	937	0	526	0	411	---	---	---
6746 wheat flour	2	---	1	0	1	---	---	---
6747 grain mill products	59	0	20	0	39	---	---	---
6781 hay & fodder	324	---	24	---	300	---	---	---
6782 animal feed, prep.	552	---	481	---	71	---	---	---
Subtotal other agricultural products	217	12	34	9	160	---	---	1
6811 meat, fresh, frozen	17	0	3	---	14	---	---	---
6817 meat, prepared	5	---	1	---	4	---	---	---
6822 dairy products	14	---	2	---	12	---	---	---
6835 fish, prepared	1	0	0	1	0	---	---	---
6838 tallow, animal oils	0	---	---	---	0	---	---	---
6839 animals & prod. nec	40	---	4	0	36	---	---	---
6856 bananas & plantains	0	0	---	0	---	---	---	---
6857 fruit & nuts nec	7	0	1	1	5	---	---	---
6858 fruit juices	26	6	3	2	15	---	---	0
6861 sugar	0	---	---	---	0	---	---	---
6865 molasses	13	---	13	---	---	---	---	---
6871 coffee	0	0	0	0	0	---	---	---
6872 cocoa beans	0	---	---	0	0	---	---	---
6885 alcoholic beverages	16	6	0	4	5	---	---	1
6888 water & ice	1	0	0	0	0	---	---	0
6889 food products nec	39	0	4	1	34	---	---	0
6891 tobacco & products	9	---	1	---	8	---	---	---
6893 cotton	14	---	0	---	14	---	---	---
6894 natural fibers nec	0	---	---	0	---	---	---	---
6899 farm products nec	15	0	2	0	12	---	---	---
Total all manufactured equipment, machinery and products	625	208	49	171	196	0	1	0
7110 machinery (not elec)	57	1	13	9	33	---	1	0
7120 electrical machinery	39	2	3	12	23	---	---	0
7210 vehicles & parts	366	196	23	96	52	---	---	0
7220 aircraft & parts	0	---	---	0	0	---	---	---
7230 ships & boats	1	0	0	0	0	---	---	---
7300 ordnance & access.	0	---	0	---	0	---	---	---
7400 manufac. wood prod.	30	3	2	2	23	---	---	0
7500 textile products	21	2	2	8	9	0	---	0
7600 rubber & plastic pr.	29	0	3	7	18	---	---	0
7900 manufac. prod. nec	82	4	3	36	38	0	0	0

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Imports	Exports	Through		Imports	Exports	Through Upbound
				Upbound	Downbnd			
Total unknown or not elsewhere classified	16	2	6	2	6	---	---	0
9900 unknown or nec	16	2	6	2	6	---	---	0
Ton-miles (x1000) Foreign & Canadian	3,270,173	359,127	2,543,796	25,310	250,581	78,952	10,380	2,028

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	4,751	4,047	577	86	41
Total petroleum and petroleum products	3,451	3,269	182	---	---
Subtotal crude petroleum	69	69	---	---	---
2100 crude petroleum	69	69	---	---	---
Subtotal petroleum products	3,382	3,200	182	---	---
2211 gasoline	1,949	1,911	38	---	---
2330 distillate fuel oil	629	588	41	---	---
2340 residual fuel oil	487	395	92	---	---
2350 lube oil & greases	83	83	---	---	---
2429 naphtha & solvents	3	---	3	---	---
2430 asphalt, tar & pitch	232	224	8	---	---
Total chemicals and related products	388	191	155	---	41
Subtotal fertilizers	153	96	16	---	41
3110 nitrogenous fert.	152	96	15	---	41
3190 fert. & mixes nec	1	---	1	---	---
Subtotal other chemicals and related products	235	96	139	---	---
3212 benzene & toluene	51	51	---	---	---
3220 alcohols	6	---	6	---	---
3273 ammonia	45	45	---	---	---
3274 sodium hydroxide	121	---	121	---	---
3286 plastics	1	---	1	---	---
3298 wood & resin chem.	11	---	11	---	---
Total crude materials, inedible except fuels	873	571	217	85	---
Subtotal forest products, wood and chips	655	356	217	81	---
4161 wood chips	377	323	5	49	---
4170 wood in the rough	68	33	3	32	---
4189 lumber	209	---	209	0	---
Subtotal soil, sand, gravel, rock and stone	87	87	---	---	---
4331 sand & gravel	87	87	---	---	---
Subtotal other non-metal. min.	131	128	---	3	---
4900 non-metal. min. nec	131	128	---	3	---
Total primary manufactured goods	38	16	22	0	---
Subtotal paper products	9	---	9	---	---
5110 newsprint	1	---	1	---	---
5190 paper products nec	8	---	8	---	---
Subtotal lime, cement and glass	16	16	0	0	---
5220 cement & concrete	15	15	---	---	---
5240 glass & glass prod.	0	---	0	---	---
5290 misc. mineral prod.	1	1	---	0	---
Subtotal primary iron and steel products	11	---	11	---	---
5330 i&s plates & sheets	0	---	0	---	---
5360 i&s bars & shapes	11	---	11	---	---
Subtotal primary non-ferrous metal products	1	---	1	---	---
5421 copper	0	---	0	---	---
5480 fab. metal products	1	---	1	---	---
Subtotal primary wood products	1	---	1	---	---
5540 primary wood prod.	1	---	1	---	---
Total all manufactured equipment, machinery and products	2	---	1	1	---
7110 machinery (not elec)	1	---	0	1	---
7210 vehicles & parts	0	---	0	---	---
7230 ships & boats	0	---	0	---	---
7400 manufac. wood prod.	0	---	0	0	---
7900 manufac. prod. nec	0	---	0	---	---
Ton-miles (x1000) Coastwise	475,663	410,971	52,473	7,851	4,368

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	13,789	5,068	3,918	255	2,306	460	129	1,197	456
Total petroleum and petroleum products	2,908	11	1	45	2,027	---	0	615	208
Subtotal petroleum products	2,908	11	1	45	2,027	---	0	615	208
2211 gasoline	1,209	10	---	18	1,123	---	---	59	---
2330 distillate fuel oil	919	---	---	27	842	---	---	50	---
2340 residual fuel oil	741	1	1	---	61	---	---	480	197
2350 lube oil & greases	36	---	---	---	1	---	---	24	11
2429 naphtha & solvents	0	---	---	---	---	---	0	---	---
2540 petroleum coke	3	1	---	---	---	---	---	2	0
Total chemicals and related products	140	---	1	28	97	---	0	7	6
Subtotal fertilizers	53	---	1	28	11	---	---	7	6
3110 nitrogenous fert.	53	---	1	28	11	---	---	7	6
Subtotal other chemicals and related products	86	---	---	---	86	---	0	---	---
3273 ammonia	58	---	---	---	58	---	---	---	---
3274 sodium hydroxide	28	---	---	---	28	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	---	---	---	---	0	---	---
Total crude materials, inedible except fuels	4,136	1,377	1,481	173	173	420	3	270	240
Subtotal forest products, wood and chips	996	18	642	135	---	79	1	97	24
4150 fuel wood	20	---	14	---	---	6	---	---	---
4161 wood chips	810	14	484	129	---	73	---	91	20
4170 wood in the rough	155	1	137	7	---	---	---	6	5
4189 lumber	1	0	---	---	---	---	1	---	---
4190 forest products nec	10	3	7	---	---	---	---	---	---
Subtotal pulp and waste paper	97	---	19	38	1	---	---	9	30
4225 pulp & waste paper	97	---	19	38	1	---	---	9	30
Subtotal soil, sand, gravel, rock and stone	3,038	1,357	819	---	172	340	---	164	186
4331 sand & gravel	3,038	1,357	819	---	172	340	---	164	186
Subtotal iron ore and scrap	3	3	---	---	---	---	---	---	---
4420 iron & steel scrap	3	3	---	---	---	---	---	---	---
Subtotal sulphur, clay and salt	2	---	---	---	---	---	2	---	---
4782 clay & refrac. mat.	2	---	---	---	---	---	2	---	---
Subtotal other non-metal. min.	0	---	---	---	---	0	0	---	---
4900 non-metal. min. nec	0	---	---	---	---	0	0	---	---
Total primary manufactured goods	607	268	29	8	3	2	18	278	2
Subtotal paper products	599	268	29	8	2	0	13	278	2
5120 paper & paperboard	586	268	29	8	2	---	---	278	2
5190 paper products nec	13	---	---	---	---	0	13	---	---
Subtotal lime, cement and glass	0	---	---	---	---	0	0	---	---
5240 glass & glass prod.	0	---	---	---	---	---	0	---	---

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
5290 misc. mineral prod.	0	---	---	---	---	0	0	---	---
Subtotal primary iron and steel products	0	0	---	---	---	---	---	---	---
5360 i&s bars & shapes	0	0	---	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	8	---	---	---	1	2	5	---	---
5422 aluminum	0	---	---	---	---	0	---	---	---
5480 fab. metal products	8	---	---	---	1	2	5	---	---
Total food and farm products	5,868	3,335	2,407	---	---	12	87	28	---
Subtotal fish	29	17	---	---	---	12	---	---	---
6134 fish (not shellfish)	21	11	---	---	---	9	---	---	---
6136 shellfish	8	6	---	---	---	2	---	---	---
Subtotal grain	5,742	3,305	2,407	---	---	---	2	28	---
6241 wheat	5,537	3,137	2,371	---	---	---	---	28	---
6344 corn	4	2	---	---	---	---	2	---	---
6443 barley & rye	201	166	36	---	---	---	---	---	---
Subtotal vegetable products	34	---	---	---	---	---	34	---	---
6654 vegetables & prod.	34	---	---	---	---	---	34	---	---
Subtotal processed grain and animal feed	54	13	---	---	---	0	42	---	---
6747 grain mill products	8	---	---	---	---	0	8	---	---
6781 hay & fodder	47	13	---	---	---	---	34	---	---
6782 animal feed, prep.	0	---	---	---	---	---	0	---	---
Subtotal other agricultural products	9	---	---	---	---	0	9	---	---
6839 animals & prod. nec	8	---	---	---	---	---	8	---	---
6857 fruit & nuts nec	0	---	---	---	---	---	0	---	---
6889 food products nec	0	---	---	---	---	---	0	---	---
6899 farm products nec	0	---	---	---	---	0	0	---	---
Total all manufactured equipment, machinery and products	124	76	---	1	6	21	21	---	---
7110 machinery (not elec)	0	---	---	---	---	---	0	---	---
7230 ships & boats	0	---	---	---	---	---	0	---	---
7600 rubber & plastic pr.	0	---	---	---	---	---	0	---	---
7800 empty containers	97	48	---	1	6	21	20	---	---
7900 manufac. prod. nec	28	27	---	---	---	0	0	---	---
Total waste and scrap nec	6	---	---	---	---	5	1	---	---
8900 waste and scrap nec	6	---	---	---	---	5	1	---	---
Ton-miles Internal (x1000)	194,804	50,506	57,428	13,124	27,848	4,548	0	26,907	14,443
Tons All Traffic (x1000)				52,559					
Ton-miles All Traffic (x1000)				3,940,648					

PORT OF ASTORIA, OR

Section Included: (Statistics for that section of the port with frontage on the Columbia River are also included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR, and statistics for portion of port with frontage on Youngs Bay are also included in statistics for Youngs Bay and Youngs River, OR) Controlling Depth: 38 feet in Columbia River and 6 feet in Youngs Bay. Project Depth: 40 feet in Columbia River and 10 feet in Youngs Bay.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,240	1990	966	1993	412	1996	324
1988	1,097	1991	660	1994	1,354		
1989	1,124	1992	721	1995	985		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise	Internal	
					Receipts	Receipts	Shipments	
Total, all commodities	324	3	150	73	97	1	72	24
Total petroleum and petroleum products	56	---	---	---	56	1	45	10
Subtotal petroleum products	56	---	---	---	56	1	45	10
2340 residual fuel oil	54	---	---	---	54	1	43	10
2350 lube oil & greases	2	---	---	---	2	---	2	---
Total chemicals and related products	7	3	1	---	3	---	---	3
Subtotal fertilizers	3	---	---	---	3	---	---	3
3110 nitrogenous fert.	3	---	---	---	3	---	---	3
Subtotal other chemicals and related products	4	3	1	---	---	---	---	---
3220 alcohols	3	3	---	---	---	---	---	---
3230 carboxylic acids	0	---	0	---	---	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---	---	---
3250 organo-inorganic comp.	0	---	0	---	---	---	---	---
3260 organic comp. nec	0	---	0	---	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	---	---	---	---
3276 metallic salts	0	---	0	---	---	---	---	---
3282 pigments & paints	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	0	---	0	---	---	---	---	---
3299 chem. products nec	0	---	0	---	---	---	---	---
Total crude materials, inedible except fuels	152	---	58	73	20	---	10	11
Subtotal forest products, wood and chips	130	---	57	73	---	---	---	---
4150 fuel wood	73	---	---	73	---	---	---	---
4170 wood in the rough	56	---	56	---	---	---	---	---
4189 lumber	1	---	1	---	---	---	---	---
4190 forest products nec	0	---	0	---	---	---	---	---
Subtotal pulp and waste paper	21	---	0	---	20	---	10	11
4225 pulp & waste paper	21	---	0	---	20	---	10	11
Subtotal iron ore and scrap	0	---	0	---	---	---	---	---
4420 iron & steel scrap	0	---	0	---	---	---	---	---
Subtotal sulphur, clay and salt	0	---	0	---	---	---	---	---
4782 clay & refrac. mat.	0	---	0	---	---	---	---	---
Subtotal other non-metal. min.	0	---	0	---	---	---	---	---
4900 non-metal. min. nec	0	---	0	---	---	---	---	---
Total primary manufactured goods	3	0	2	---	1	1	---	---
Subtotal paper products	1	---	1	---	---	---	---	---
5110 newsprint	0	---	0	---	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---	---
5190 paper products nec	0	---	0	---	---	---	---	---
Subtotal lime, cement and glass	1	0	0	---	1	1	---	---
5240 glass & glass prod.	0	---	0	---	---	---	---	---
5290 misc. mineral prod.	1	0	0	---	1	1	---	---
Subtotal primary non-ferrous metal products	0	0	0	---	---	---	---	---
5422 aluminum	0	---	0	---	---	---	---	---
5429 smelted prod. nec	0	---	0	---	---	---	---	---
5480 fab. metal products	0	0	0	---	---	---	---	---
Subtotal primary wood products	1	---	1	---	---	---	---	---
5540 primary wood prod.	1	---	1	---	---	---	---	---
Total food and farm products	104	0	87	0	17	---	17	---
Subtotal fish	17	0	---	0	17	---	17	---
6134 fish (not shellfish)	12	0	---	0	11	---	11	---

PORT OF ASTORIA, OR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
6136 shellfish	6	---	---	---	6	---	---	6	---
Subtotal grain	86	---	86	---	---	---	---	---	---
6241 wheat	23	---	23	---	---	---	---	---	---
6344 corn	54	---	54	---	---	---	---	---	---
6447 sorghum grains	9	---	9	---	---	---	---	---	---
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	0	---	0	---	---	---	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---	---	---	---
6858 fruit juices	0	---	0	---	---	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	2	0	2	---	---	---	---	---	---
7110 machinery (not elec)	0	0	0	---	---	---	---	---	---
7120 electrical machinery	0	---	0	---	---	---	---	---	---
7210 vehicles & parts	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	---	---	---	---	---	---

PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA

Section Included: (Included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR) Ports included: Bradwood, Wauna, Beaver Point, Rainier and Prescott, OR and Knappton, WA. Controlling Depth: 38 feet. Project Depth: 40 feet at low water in main channel.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	881	1990	875	1993	945	1996	882
1988	810	1991	883	1994	901		
1989	872	1992	987	1995	1,003		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	882	318	2	256	306
Total petroleum and petroleum products	3	---	---	3	---
Subtotal petroleum products	3	---	---	3	---
2340 residual fuel oil	3	---	---	3	---
Total chemicals and related products	4	---	2	2	---
Subtotal fertilizers	4	---	2	2	---
3110 nitrogenous fert.	3	---	1	2	---
3190 fert. & mixes nec	1	---	1	---	---
Total crude materials, inedible except fuels	587	318	---	249	20
Subtotal forest products, wood and chips	538	318	---	220	---
4150 fuel wood	14	---	---	14	---
4161 wood chips	503	318	---	184	---
4170 wood in the rough	22	---	---	22	---
Subtotal pulp and waste paper	49	---	---	29	20
4225 pulp & waste paper	49	---	---	29	20
Total primary manufactured goods	288	---	---	2	286
Subtotal paper products	288	---	---	2	286
5120 paper & paperboard	288	---	---	2	286

PORT OF LONGVIEW, WA

Section Included: (Included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR) Controlling Depth: 39 feet in channel and 39 feet in turning basin. Project Depth: 40 foot channel in Columbia River and 6,000 foot turning basin at low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	8,082	1990	8,681	1993	5,476	1996	5,163
1988	9,003	1991	7,806	1994	6,442		
1989	8,023	1992	6,309	1995	6,167		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	4,298	492	3,720	4	82
Total petroleum and petroleum products	569	14	469	4	81
Subtotal petroleum products	569	14	469	4	81
2211 gasoline	4	---	---	4	---
2350 lube oil & greases	0	---	0	---	---
2430 asphalt, tar & pitch	14	14	---	---	---
2540 petroleum coke	551	---	469	---	81
Total chemicals and related products	501	14	488	---	0
Subtotal fertilizers	249	9	239	---	---
3110 nitrogenous fert.	37	9	28	---	---
3130 potassic fert.	188	---	188	---	---
3190 fert. & mixes nec	23	---	23	---	---
Subtotal other chemicals and related products	253	4	248	---	0
3212 benzene & toluene	4	4	---	---	---
3219 other hydrocarbons	0	---	0	---	---
3220 alcohols	0	---	0	---	---
3230 carboxylic acids	0	---	0	---	---
3240 nitrogen func. comp.	0	---	0	---	---
3250 organo-inorganic comp.	0	---	0	---	---
3260 organic comp. nec	0	---	0	---	---
3274 sodium hydroxide	60	---	60	---	---
3275 inorg. elem. oxides, & halogen salts	0	---	0	---	---
3276 metallic salts	187	---	187	---	---
3282 pigments & paints	0	---	0	---	---
3284 medicines	0	---	0	---	---
3285 perfumes & cleansers	0	---	0	---	---
3286 plastics	1	---	1	---	0
3291 pesticides	0	---	0	---	---
3297 chemical additives	0	---	0	---	---
3299 chem. products nec	0	---	0	---	---
Total crude materials, inedible except fuels	2,703	432	2,271	---	0
Subtotal forest products, wood and chips	2,222	0	2,221	---	0
4161 wood chips	78	---	78	---	---
4170 wood in the rough	2,089	---	2,089	---	---
4189 lumber	55	0	54	---	0
Subtotal pulp and waste paper	38	7	31	---	---
4225 pulp & waste paper	38	7	31	---	---
Subtotal non-ferrous ores and scrap	338	338	0	---	---
4650 aluminum ore	332	332	---	---	---
4680 non-ferrous scrap	0	---	0	---	---
4690 non-ferrous ores nec	6	6	---	---	---
Subtotal sulphur, clay and salt	18	10	8	---	---
4782 clay & refrac. mat.	18	10	8	---	---
Subtotal other non-metal. min.	87	76	10	---	---
4900 non-metal. min. nec	87	76	10	---	---
Total primary manufactured goods	340	29	310	---	0
Subtotal paper products	303	---	303	---	---
5110 newsprint	301	---	301	---	---
5120 paper & paperboard	2	---	2	---	---
5190 paper products nec	0	---	0	---	---
Subtotal lime, cement and glass	30	24	6	---	---
5220 cement & concrete	24	24	---	---	---
5290 misc. mineral prod.	6	0	6	---	---
Subtotal primary iron and steel products	4	4	---	---	---
5330 i&s plates & sheets	1	1	---	---	---
5360 i&s bars & shapes	0	0	---	---	---
5370 i&s pipe & tube	3	3	---	---	---
Subtotal primary non-ferrous metal products	0	0	0	---	---
5422 aluminum	0	---	0	---	---
5480 fab. metal products	0	0	0	---	---
Subtotal primary wood products	2	1	1	---	0
5540 primary wood prod.	2	1	1	---	0
Total food and farm products	178	0	178	---	---
Subtotal grain	90	---	90	---	---
6241 wheat	83	---	83	---	---
6344 corn	7	---	7	---	---
Subtotal oilseeds	5	---	5	---	---
6590 oilseeds nec	5	---	5	---	---
Subtotal vegetable products	1	---	1	---	---
6654 vegetables & prod.	1	---	1	---	---
Subtotal processed grain and animal feed	80	---	80	---	---
6747 grain mill products	0	---	0	---	---
6781 hay & fodder	1	---	1	---	---
6782 animal feed, prep.	79	---	79	---	---

PORT OF LONGVIEW, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal other agricultural products	1	0	1	---	---
6811 meat, fresh, frozen	1	---	1	---	---
6839 animals & prod. nec	0	---	0	---	---
6857 fruit & nuts nec	0	0	0	---	---
6858 fruit juices	0	---	0	---	---
6885 alcoholic beverages	0	---	0	---	---
6889 food products nec	0	---	0	---	---
6893 cotton	0	---	0	---	---
Total all manufactured equipment, machinery and products	4	3	1	---	0
7110 machinery (not elec)	0	0	0	---	0
7120 electrical machinery	0	---	0	---	---
7210 vehicles & parts	3	3	0	---	---
7400 manufac. wood prod.	1	0	0	---	---
7500 textile products	0	0	0	---	---
7600 rubber & plastic pr.	0	0	0	---	---
7900 manufac. prod. nec	0	0	0	---	---
Total unknown or not elsewhere classified	3	---	3	---	---
9900 unknown or nec	3	---	3	---	---

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	865	133	125	597	8	2
Total petroleum and petroleum products	135	---	4	128	3	---
Subtotal petroleum products	135	---	4	128	3	---
2330 distillate fuel oil	4	---	4	---	---	---
2340 residual fuel oil	124	---	---	121	3	---
2350 lube oil & greases	6	---	---	6	---	---
2540 petroleum coke	0	---	---	0	---	---
Total chemicals and related products	47	---	42	5	---	---
Subtotal fertilizers	5	---	---	5	---	---
3110 nitrogenous fert.	5	---	---	5	---	---
Subtotal other chemicals and related products	42	---	42	---	---	---
3274 sodium hydroxide	42	---	42	---	---	---
Total crude materials, inedible except fuels	675	133	72	464	4	2
Subtotal forest products, wood and chips	547	5	72	464	4	2
4161 wood chips	428	5	---	423	---	---
4170 wood in the rough	44	---	---	38	4	2
4189 lumber	72	---	72	---	---	---
4190 forest products nec	3	---	---	3	---	---
Subtotal other non-metal. min.	128	128	---	---	---	---
4900 non-metal. min. nec	128	128	---	---	---	---
Total primary manufactured goods	7	---	7	---	---	---
Subtotal paper products	6	---	6	---	---	---
5110 newsprint	1	---	1	---	---	---
5190 paper products nec	6	---	6	---	---	---
Subtotal primary wood products	0	---	0	---	---	---
5540 primary wood prod.	0	---	0	---	---	---
Total food and farm products	0	---	---	0	---	---
Subtotal fish	0	---	---	0	---	---
6134 fish (not shellfish)	0	---	---	0	---	---
Total all manufactured equipment, machinery and products	1	---	---	---	1	---
7800 empty containers	1	---	---	---	1	---

PORT OF KALAMA, WA

Section Included: (Included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR) Controlling Depth: 37 feet. Project Depth: 40 feet at low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	6,326	1990	6,255	1993	6,501	1996	8,223
1988	7,521	1991	5,881	1994	5,351		
1989	7,013	1992	6,676	1995	11,347		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise		Internal	
					Receipts	Shipments	Receipts	Shipments
Total, all commodities	8,223	17	7,208	997	51	49	889	8
Total petroleum and petroleum products	14	---	9	5	---	---	5	---
Subtotal petroleum products	14	---	9	5	---	---	5	---
2340 residual fuel oil	3	---	---	3	---	---	3	---
2350 lube oil & greases	2	---	---	2	---	---	2	---
2540 petroleum coke	9	---	9	---	---	---	---	---
Total chemicals and related products	111	15	42	53	51	2	---	---
Subtotal other chemicals and related products	111	15	42	53	51	2	---	---
3212 benzene & toluene	66	15	---	51	51	---	---	---
3276 metallic salts	42	---	42	---	---	---	---	---
3286 plastics	0	---	0	---	---	---	---	---
3292 starches, gluten, glue	0	---	0	---	---	---	---	---
3298 wood & resin chem.	2	---	---	2	---	2	---	---
3299 chem. products nec	0	---	0	---	---	---	---	---
Total crude materials, inedible except fuels	121	---	73	47	---	47	---	---
Subtotal forest products, wood and chips	115	---	68	47	---	47	---	---
4170 wood in the rough	67	---	67	---	---	---	---	---
4189 lumber	48	---	0	47	---	47	---	---
Subtotal pulp and waste paper	0	---	0	---	---	---	---	---
4225 pulp & waste paper	0	---	0	---	---	---	---	---
Subtotal non-ferrous ores and scrap	0	---	0	---	---	---	---	---
4680 non-ferrous scrap	0	---	0	---	---	---	---	---
Subtotal sulphur, clay and salt	6	---	6	---	---	---	---	---
4782 clay & refrac. mat.	6	---	6	---	---	---	---	---
Subtotal other non-metal. min.	0	---	0	---	---	---	---	---
4900 non-metal. min. nec	0	---	0	---	---	---	---	---
Total primary manufactured goods	0	0	0	---	---	---	---	---
Subtotal paper products	0	0	---	---	---	---	---	---
5190 paper products nec	0	0	---	---	---	---	---	---
Subtotal primary iron and steel products	0	0	---	---	---	---	---	---
5370 i&s pipe & tube	0	0	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	0	0	0	---	---	---	---	---
5480 fab. metal products	0	0	0	---	---	---	---	---
Total food and farm products	7,973	---	7,082	891	---	---	883	8
Subtotal grain	7,639	---	6,747	891	---	---	883	8
6241 wheat	2,844	---	1,988	856	---	---	848	8
6344 corn	4,496	---	4,496	---	---	---	---	---
6443 barley & rye	174	---	138	36	---	---	36	---
6447 sorghum grains	125	---	125	---	---	---	---	---
Subtotal oilseeds	155	---	155	---	---	---	---	---
6522 soybeans	155	---	155	---	---	---	---	---
6590 oilseeds nec	0	---	0	---	---	---	---	---
Subtotal vegetable products	6	---	6	---	---	---	---	---
6653 vegetable oils	6	---	6	---	---	---	---	---
6654 vegetables & prod.	1	---	1	---	---	---	---	---
Subtotal processed grain and animal feed	173	---	173	---	---	---	---	---
6747 grain mill products	6	---	6	---	---	---	---	---
6781 hay & fodder	0	---	0	---	---	---	---	---
6782 animal feed, prep.	168	---	168	---	---	---	---	---
Subtotal other agricultural products	0	---	0	---	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---	---
6899 farm products nec	0	---	0	---	---	---	---	---

PORT OF KALAMA, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise		Internal	
					Receipts	Shipments	Receipts	Shipments
Total all manufactured equipment, machinery and products	4	2	2	---	---	---	---	---
7110 machinery (not elec)	0	---	0	---	---	---	---	---
7120 electrical machinery	0	0	0	---	---	---	---	---
7210 vehicles & parts	4	2	2	---	---	---	---	---
7400 manufac. wood prod.	0	---	0	---	---	---	---	---
7900 manufac. prod. nec	0	0	---	---	---	---	---	---

MULTNOMAH CHANNEL, OR

Section Included: A side channel from the Willamette River near Portland, OR, to the Columbia River near St. Helens, OR, a distance of about 22 miles. Controlling Depth: 18 feet in a 300-foot channel at north end; 8 feet in a 250-foot channel at south end; 8 to 50 feet in remainder of channel. Project Depth: 25 feet deep and 5,000 feet long at the Columbia River end; 25 feet deep and 9,500 feet long at the Willamette River end.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,182	1990	1,740	1993	1,570	1996	1,783
1988	866	1991	1,550	1994	1,360		
1989	1,597	1992	1,405	1995	1,616		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise Receipts	Internal		Outbound
			Upbound	Downbnd	
Total, all commodities	1,783	13	172	14	1,583
Total petroleum and petroleum products	14	---	---	14	---
Subtotal petroleum products	14	---	---	14	---
2340 residual fuel oil	14	---	---	14	---
Total crude materials, inedible except fuels	1,769	13	172	---	1,583
Subtotal forest products, wood and chips	13	13	---	---	---
4170 wood in the rough	13	13	---	---	---
Subtotal soil, sand, gravel, rock and stone	1,756	---	172	---	1,583
4331 sand & gravel	1,756	---	172	---	1,583
Ton-miles (x1000)	37,423	317	344	341	36,420
Tons All Traffic (x1000)					1,783
Ton-miles All Traffic (x1000)					37,423

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR

Section Included: From deep water in the Columbia River to a point above the Portland Union Stock Yards, a distance of nearly 4 miles. Controlling Depth: 10 feet. Project Depth: 20 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	2,016	1990	2,101	1993	3,089	1996	2,928
1988	2,163	1991	2,182	1994	3,730		
1989	2,284	1992	2,794	1995	3,592		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Imports	Domestic		
		Imports	Exports		Total	Internal	
				Upbound		Downbnd	
Total, all commodities	2,928	241	2,386	19	281	250	31
Total coal	1	---	1	---	---	---	---
1100 coal lignite	1	---	1	---	---	---	---
Total petroleum and petroleum products	52	---	7	---	44	42	2
Subtotal petroleum products	52	---	7	---	44	42	2
2340 residual fuel oil	43	---	---	---	43	41	2
2350 lube oil & greases	5	---	4	---	1	1	---
2410 petro. jelly & waxes	2	---	2	---	---	---	---
2429 naphtha & solvents	0	---	0	---	0	0	---
2430 asphalt, tar & pitch	0	---	0	---	---	---	---
2540 petroleum coke	0	---	0	---	---	---	---

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Internal	
						Inbound	Outbound
					Upbound	Downbnd	
2640 liquid natural gas	0	---	0	---	---	---	---
Total chemicals and related products	164	12	149	3	0	0	---
Subtotal fertilizers	4	---	4	---	---	---	---
3110 nitrogenous fert.	0	---	0	---	---	---	---
3190 fert. & mixes nec	4	---	4	---	---	---	---
Subtotal other chemicals and related products	159	12	144	3	0	0	---
3211 acyclic hydrocarbons	0	---	0	---	---	---	---
3219 other hydrocarbons	0	---	0	---	---	---	---
3220 alcohols	6	1	2	3	---	---	---
3230 carboxylic acids	10	0	10	---	---	---	---
3240 nitrogen func. comp.	8	0	8	---	---	---	---
3250 organo-inorganic comp.	1	0	1	---	---	---	---
3260 organic comp. nec	3	0	3	---	---	---	---
3271 sulphur (liquid)	0	---	0	---	---	---	---
3272 sulphuric acid	0	0	---	---	---	---	---
3273 ammonia	0	0	0	---	---	---	---
3274 sodium hydroxide	0	---	0	---	---	---	---
3275 inorg. elem. oxides, & halogen salts	11	2	9	0	0	0	---
3276 metallic salts	18	0	17	---	---	---	---
3279 inorganic chem. nec	1	1	0	---	---	---	---
3281 radioactive material	0	---	0	---	---	---	---
3282 pigments & paints	2	0	2	---	---	---	---
3283 coloring mat. nec	0	0	0	---	---	---	---
3284 medicines	5	0	5	---	---	---	---
3285 perfumes & cleansers	11	2	9	---	---	---	---
3286 plastics	47	4	42	0	---	---	---
3291 pesticides	0	0	0	---	---	---	---
3292 starches, gluten, glue	14	0	14	---	---	---	---
3293 explosives	0	0	---	---	---	---	---
3297 chemical additives	4	0	4	---	---	---	---
3298 wood & resin chem.	3	---	3	---	---	---	---
3299 chem. products nec	14	1	13	---	---	---	---
Total crude materials, inedible except fuels	669	4	570	14	81	81	0
Subtotal forest products, wood and chips	311	3	293	14	1	1	---
4110 rubber & gums	0	---	0	---	---	---	---
4150 fuel wood	13	---	2	11	---	---	---
4161 wood chips	3	---	0	3	---	---	---
4170 wood in the rough	18	---	18	---	---	---	---
4189 lumber	277	3	273	0	1	1	---
4190 forest products nec	0	0	0	---	---	---	---
Subtotal pulp and waste paper	181	0	181	---	---	---	---
4225 pulp & waste paper	181	0	181	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	82	1	4	0	78	78	---
4310 building stone	0	---	0	0	---	---	---
4322 limestone	0	---	0	---	---	---	---
4323 gypsum	2	---	2	---	---	---	---
4327 phosphate rock	0	---	0	---	---	---	---
4331 sand & gravel	80	1	1	---	78	78	---
Subtotal iron ore and scrap	18	0	18	---	---	---	---
4420 iron & steel scrap	18	0	18	---	---	---	---
Subtotal non-ferrous ores and scrap	54	---	54	---	---	---	---
4650 aluminum ore	0	---	0	---	---	---	---
4680 non-ferrous scrap	54	---	54	---	---	---	---
4690 non-ferrous ores nec	0	---	0	---	---	---	---
Subtotal sulphur, clay and salt	9	0	7	---	2	2	---
4741 sulphur, (dry)	0	0	0	---	---	---	---
4782 clay & refrac. mat.	9	---	7	---	2	2	---
Subtotal slag	1	---	1	---	---	---	---
4860 slag	1	---	1	---	---	---	---
Subtotal other non-metal. min.	11	0	11	---	0	0	0
4900 non-metal. min. nec	11	0	11	---	0	0	0
Total primary manufactured goods	627	35	571	1	21	19	2
Subtotal paper products	374	4	357	0	13	13	0
5110 newsprint	90	0	90	---	---	---	---
5120 paper & paperboard	263	3	260	0	---	---	---
5190 paper products nec	21	1	7	---	13	13	0
Subtotal lime, cement and glass	45	7	38	0	0	0	0
5210 lime	0	---	0	---	---	---	---
5220 cement & concrete	2	---	2	---	---	---	---
5240 glass & glass prod.	6	1	6	---	0	0	---
5290 misc. mineral prod.	36	6	30	0	0	0	0
Subtotal primary iron and steel products	36	7	30	0	---	---	---
5312 pig iron	0	---	0	---	---	---	---
5315 ferro alloys	7	0	6	---	---	---	---
5320 i&s primary forms	0	---	0	---	---	---	---
5330 i&s plates & sheets	17	1	16	---	---	---	---
5360 i&s bars & shapes	2	1	2	---	---	---	---
5370 i&s pipe & tube	1	1	0	0	---	---	---
5390 primary i&s nec	8	4	4	---	---	---	---
Subtotal primary non-ferrous metal products	64	16	40	0	8	6	2
5421 copper	5	0	5	---	---	---	---
5422 aluminum	23	1	22	---	0	---	0
5429 smelted prod. nec	5	1	3	---	---	---	---

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Imports	Total	Internal	
						Upbound	Outbound
5480 fab. metal products	31	14	9	0	8	6	2
Subtotal primary wood products	108	1	107	---	---	---	---
5540 primary wood prod.	108	1	107	---	---	---	---
Total food and farm products	993	18	887	1	87	87	0
Subtotal fish	4	---	4	0	---	---	---
6134 fish (not shellfish)	4	---	3	0	---	---	---
6136 shellfish	1	---	1	---	---	---	---
Subtotal grain	59	3	54	---	2	2	---
6241 wheat	38	---	38	---	---	---	---
6344 corn	18	---	16	---	2	2	---
6442 rice	3	3	---	---	---	---	---
6443 barley & rye	0	---	0	---	---	---	---
6445 oats	0	---	0	---	---	---	---
Subtotal oilseeds	28	---	28	---	---	---	---
6522 soybeans	20	---	20	---	---	---	---
6590 oilseeds nec	8	---	8	---	---	---	---
Subtotal vegetable products	269	6	230	0	34	34	---
6653 vegetable oils	1	0	0	0	---	---	---
6654 vegetables & prod.	269	5	229	0	34	34	---
Subtotal processed grain and animal feed	453	0	411	---	42	42	0
6746 wheat flour	1	0	1	---	---	---	---
6747 grain mill products	46	0	39	---	8	8	0
6781 hay & fodder	334	---	300	---	34	34	---
6782 animal feed, prep.	72	---	71	---	0	0	---
Subtotal other agricultural products	180	9	160	1	9	9	0
6811 meat, fresh, frozen	14	---	14	---	---	---	---
6817 meat, prepared	4	---	4	---	---	---	---
6822 dairy products	12	---	12	---	---	---	---
6835 fish, prepared	1	1	0	---	---	---	---
6838 tallow, animal oils	0	---	0	---	---	---	---
6839 animals & prod. nec	44	0	36	---	8	8	---
6856 bananas & plantains	0	0	---	---	---	---	---
6857 fruit & nuts nec	6	1	5	---	0	0	---
6858 fruit juices	17	2	15	0	---	---	---
6861 sugar	0	---	0	---	---	---	---
6871 coffee	0	0	0	---	---	---	---
6872 cocoa beans	0	0	0	---	---	---	---
6885 alcoholic beverages	10	4	5	1	---	---	---
6888 water & ice	1	0	0	0	---	---	---
6889 food products nec	36	1	34	0	0	0	---
6891 tobacco & products	8	---	8	---	---	---	---
6893 cotton	14	---	14	---	---	---	---
6894 natural fibers nec	0	0	---	---	---	---	---
6899 farm products nec	13	0	12	---	0	0	0
Total all manufactured equipment, machinery and products	409	171	196	0	42	21	21
7110 machinery (not elec)	42	9	33	0	0	0	---
7120 electrical machinery	34	12	23	0	---	---	---
7210 vehicles & parts	148	96	52	0	---	---	---
7220 aircraft & parts	0	0	0	---	---	---	---
7230 ships & boats	0	0	0	---	0	0	---
7300 ordnance & access.	0	---	0	---	---	---	---
7400 manufac. wood prod.	25	2	23	0	---	---	---
7500 textile products	17	8	9	0	---	---	---
7600 rubber & plastic pr.	26	7	18	0	0	0	---
7800 empty containers	42	---	---	---	42	20	21
7900 manufac. prod. nec	74	36	38	0	0	0	0
Total waste and scrap nec	6	---	---	---	6	1	5
8900 waste and scrap nec	6	---	---	---	6	1	5
Total unknown or not elsewhere classified	8	2	6	0	---	---	---
9900 unknown or nec	8	2	6	0	---	---	---

PORT OF VANCOUVER, WA

Section Included: (Statistics for that section of the port below Interstate Bridge are also included in the statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR, and statistics for section above Interstate Bridge are also included in statistics for Columbia River from Vancouver, WA, to the Dalles, OR). Controlling Depth: 35 feet at low water for that section of the port below Railroad Bridge and 14 feet for that section of the port above Interstate Bridge. Project Depth: 40 feet at low water in the lower turning basin and 35 feet at low water in the upper turning basin.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	4,275	1990	7,073	1993	7,380	1996	7,704
1988	3,375	1991	6,485	1994	6,281		
1989	3,459	1992	6,839	1995	7,535		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
Total, all commodities	5,719	841	4,875	4
Total petroleum and petroleum products	59	23	37	---
Subtotal petroleum products	59	23	37	---
2350 lube oil & greases	0	0	0	---
2410 petro. jelly & waxes	0	---	0	---
2430 asphalt, tar & pitch	4	4	0	---
2540 petroleum coke	55	18	37	---
Total chemicals and related products	186	68	119	---
Subtotal fertilizers	43	42	0	---
3110 nitrogenous fert.	32	32	---	---
3190 fert. & mixes nec	10	10	0	---
Subtotal other chemicals and related products	144	25	119	---
3219 other hydrocarbons	0	---	0	---
3220 alcohols	19	19	0	---
3230 carboxylic acids	0	---	0	---
3240 nitrogen func. comp.	0	---	0	---
3260 organic comp. nec	0	---	0	---
3275 inorg. elem. oxides, & halogen salts	0	---	0	---
3276 metallic salts	118	6	112	---
3281 radioactive material	3	---	3	---
3282 pigments & paints	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	0	---	0	---
3298 wood & resin chem.	1	---	1	---
3299 chem. products nec	0	---	0	---
Total crude materials, inedible except fuels	1,258	556	699	4
Subtotal forest products, wood and chips	217	7	206	4
4110 rubber & gums	0	---	0	---
4150 fuel wood	4	---	---	4
4170 wood in the rough	61	---	61	---
4189 lumber	152	7	145	---
Subtotal pulp and waste paper	130	45	85	---
4225 pulp & waste paper	130	45	85	---
Subtotal soil, sand, gravel, rock and stone	0	---	0	---
4322 limestone	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	753	504	250	---
4630 copper ore	226	---	226	---
4650 aluminum ore	504	504	0	---
4680 non-ferrous scrap	0	---	0	---
4690 non-ferrous ores nec	24	---	24	---
Subtotal sulphur, clay and salt	147	---	147	---
4782 clay & refrac. mat.	147	---	147	---
Subtotal other non-metal. min.	10	---	10	---
4900 non-metal. min. nec	10	---	10	---
Total primary manufactured goods	244	156	88	0
Subtotal paper products	57	0	57	---
5110 newsprint	52	---	52	---
5120 paper & paperboard	5	0	5	---
5190 paper products nec	0	---	0	---
Subtotal lime, cement and glass	1	---	1	---
5240 glass & glass prod.	0	---	0	---
5290 misc. mineral prod.	1	---	1	---
Subtotal primary iron and steel products	133	132	1	0
5315 ferro alloys	8	8	0	---
5320 i&s primary forms	13	13	0	---
5330 i&s plates & sheets	52	51	0	---
5360 i&s bars & shapes	13	13	---	---
5370 i&s pipe & tube	40	40	0	0
5390 primary i&s nec	8	8	0	---
Subtotal primary non-ferrous metal products	21	0	20	---
5421 copper	0	---	0	---
5422 aluminum	20	---	20	---
5429 smelted prod. nec	0	0	---	---
5480 fab. metal products	0	0	0	---
Subtotal primary wood products	32	24	8	---
5540 primary wood prod.	32	24	8	---

PORT OF VANCOUVER, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Imports	Exports	Imports
Total food and farm products	3,936	12	3,924	0
Subtotal fish	0	---	0	0
6134 fish (not shellfish)	0	---	0	0
Subtotal grain	3,859	---	3,859	---
6241 wheat	3,738	---	3,738	---
6344 corn	112	---	112	---
6447 sorghum grains	10	---	10	---
Subtotal oilseeds	50	---	50	---
6522 soybeans	50	---	50	---
6590 oilseeds nec	0	---	0	---
Subtotal vegetable products	15	12	4	---
6653 vegetable oils	12	12	1	---
6654 vegetables & prod.	3	---	3	---
Subtotal processed grain and animal feed	9	---	9	---
6747 grain mill products	0	---	0	---
6781 hay & fodder	8	---	8	---
6782 animal feed, prep.	1	---	1	---
Subtotal other agricultural products	3	0	3	---
6811 meat, fresh, frozen	1	---	1	---
6817 meat, prepared	0	---	0	---
6822 dairy products	0	---	0	---
6835 fish, prepared	0	0	---	---
6839 animals & prod. nec	1	---	1	---
6857 fruit & nuts nec	0	---	0	---
6858 fruit juices	0	---	0	---
6871 coffee	0	0	---	---
6885 alcoholic beverages	0	0	0	---
6889 food products nec	1	---	1	---
6899 farm products nec	0	0	0	---
Total all manufactured equipment, machinery and products	33	25	8	0
7110 machinery (not elec)	1	0	1	---
7120 electrical machinery	1	0	1	---
7210 vehicles & parts	26	22	4	---
7230 ships & boats	0	0	---	---
7400 manufac. wood prod.	3	2	0	---
7500 textile products	0	0	0	0
7600 rubber & plastic pr.	1	0	1	---
7900 manufac. prod. nec	1	0	1	0
Total unknown or not elsewhere classified	2	2	0	---
9900 unknown or nec	2	2	0	---

Commodity	Total	Domestic				
		Coastwise		Internal		Intraport
		Receipts	Shipments	Receipts	Shipments	
Total, all commodities	1,984	46	22	1,754	160	2
Total petroleum and petroleum products	298	46	22	177	52	2
Subtotal petroleum products	298	46	22	177	52	2
2211 gasoline	73	42	6	3	21	---
2330 distillate fuel oil	40	---	7	6	27	---
2340 residual fuel oil	182	4	8	165	3	2
2350 lube oil & greases	3	---	---	3	0	---
2540 petroleum coke	0	---	---	---	0	---
Total chemicals and related products	7	---	---	7	---	---
Subtotal fertilizers	7	---	---	7	---	---
3110 nitrogenous fert.	7	---	---	7	---	---
Total crude materials, inedible except fuels	140	---	---	35	105	---
Subtotal forest products, wood and chips	26	---	---	20	7	---
4170 wood in the rough	23	---	---	16	7	---
4190 forest products nec	3	---	---	3	---	---
Subtotal pulp and waste paper	15	---	---	15	---	---
4225 pulp & waste paper	15	---	---	15	---	---
Subtotal soil, sand, gravel, rock and stone	99	---	---	---	99	---
4331 sand & gravel	99	---	---	---	99	---
Total food and farm products	1,538	---	---	1,536	3	---
Subtotal grain	1,538	---	---	1,536	3	---
6241 wheat	1,538	---	---	1,536	3	---
Total all manufactured equipment, machinery and products	0	---	---	---	0	---
7800 empty containers	0	---	---	---	0	---

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR

Section Included: Columbia River between Vancouver, WA, and the Dalles, OR, a distance of about 85 miles. Controlling Depth: 15 feet between Vancouver and the Dalles. Project Depth: 27 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	9,236	1990	9,735	1993	10,843	1996	10,733
1988	12,375	1991	10,210	1994	11,277		
1989	9,246	1992	10,671	1995	11,626		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Coastwise		
		Receipts	Through	
			Upbound	Downbnd
Total, all commodities	101	56	3	41
Total chemicals and related products	41	---	---	41
Subtotal fertilizers	41	---	---	41
3110 nitrogenous fert.	41	---	---	41
Total crude materials, inedible except fuels	59	55	3	---
Subtotal forest products, wood and chips	55	55	0	---
4161 wood chips	49	49	---	---
4170 wood in the rough	7	7	---	---
4189 lumber	0	---	0	---
Subtotal other non-metal. min.	3	---	3	---
4900 non-metal. min. nec	3	---	3	---
Total primary manufactured goods	0	---	0	---
Subtotal lime, cement and glass	0	---	0	---
5290 misc. mineral prod.	0	---	0	---
Total all manufactured equipment, machinery and products	1	1	0	---
7110 machinery (not elec)	1	1	---	---
7400 manufac. wood prod.	0	---	0	---
Ton-miles (x1000)	4,468	670	296	3,503
Coastwise				

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	10,632	530	414	206	626	2,148	6,248	140	322
Total petroleum and petroleum products	2,026	6	---	---	1	2,010	10	---	---
Subtotal petroleum products	2,026	6	---	---	1	2,010	10	---	---
2211 gasoline	1,150	---	---	---	---	1,141	10	---	---
2330 distillate fuel oil	869	---	---	---	---	869	---	---	---
2340 residual fuel oil	6	6	---	---	---	---	---	---	---
2429 naphtha & solvents	0	---	---	---	---	---	0	---	---
2540 petroleum coke	1	---	---	---	1	---	---	---	---
Total chemicals and related products	133	22	6	---	---	103	1	---	---
Subtotal fertilizers	46	22	6	---	---	17	1	---	---
3110 nitrogenous fert.	46	22	6	---	---	17	1	---	---
Subtotal other chemicals and related products	86	---	---	---	---	86	0	---	---
3273 ammonia	58	---	---	---	---	58	---	---	---
3274 sodium hydroxide	28	---	---	---	---	28	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	---	---	---	---	0	---	---

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total crude materials, inedible except fuels	1,986	491	366	---	238	0	429	140	322
Subtotal forest products, wood and chips	1,654	215	366	---	235	---	377	140	322
4150 fuel wood	6	6	---	---	---	---	---	---	---
4161 wood chips	1,074	202	169	---	119	---	344	132	108
4170 wood in the rough	562	7	197	---	115	---	22	8	214
4189 lumber	1	---	---	---	0	---	1	---	---
4190 forest products nec	10	---	---	---	---	---	10	---	---
Subtotal pulp and waste paper	29	14	---	---	0	---	15	---	---
4225 pulp & waste paper	29	14	---	---	0	---	15	---	---
Subtotal soil, sand, gravel, rock and stone	298	262	---	---	---	---	35	---	---
4331 sand & gravel	298	262	---	---	---	---	35	---	---
Subtotal iron ore and scrap	3	---	---	---	3	---	---	---	---
4420 iron & steel scrap	3	---	---	---	3	---	---	---	---
Subtotal sulphur, clay and salt	2	---	---	---	---	---	2	---	---
4782 clay & refrac. mat.	2	---	---	---	---	---	2	---	---
Subtotal other non-metal. min.	0	---	---	---	---	0	0	---	---
4900 non-metal. min. nec	0	---	---	---	---	0	0	---	---
Total primary manufactured goods	299	10	---	1	268	2	18	0	---
Subtotal paper products	291	10	---	---	268	0	13	---	---
5120 paper & paperboard	278	10	---	---	268	---	---	---	---
5190 paper products nec	13	---	---	---	---	0	13	---	---
Subtotal lime, cement and glass	0	---	---	---	---	0	0	---	---
5240 glass & glass prod.	0	---	---	---	---	---	0	---	---
5290 misc. mineral prod.	0	---	---	---	---	0	0	---	---
Subtotal primary iron and steel products	0	---	---	---	0	---	---	0	---
5360 i&s bars & shapes	0	---	---	---	0	---	---	0	---
Subtotal primary non-ferrous metal products	8	---	---	1	---	2	5	---	---
5422 aluminum	0	---	---	---	---	0	---	---	---
5480 fab. metal products	8	---	---	1	---	2	5	---	---
Total food and farm products	5,812	1	---	---	118	0	5,694	---	---
Subtotal fish	1	1	---	---	---	---	---	---	---
6134 fish (not shellfish)	1	1	---	---	---	---	---	---	---
Subtotal grain	5,714	---	---	---	118	---	5,596	---	---
6241 wheat	5,509	---	---	---	118	---	5,391	---	---
6344 corn	4	---	---	---	---	---	4	---	---
6443 barley & rye	201	---	---	---	---	---	201	---	---
Subtotal vegetable products	34	---	---	---	---	---	34	---	---
6654 vegetables & prod.	34	---	---	---	---	---	34	---	---
Subtotal processed grain and animal feed	54	---	---	---	---	0	54	---	---
6747 grain mill products	8	---	---	---	---	0	8	---	---
6781 hay & fodder	47	---	---	---	---	---	47	---	---
6782 animal feed, prep.	0	---	---	---	---	---	0	---	---

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal other agricultural products	9	---	---	---	---	0	9	---	---
6839 animals & prod. nec	8	---	---	---	---	---	8	---	---
6857 fruit & nuts nec	0	---	---	---	---	---	0	---	---
6889 food products nec	0	---	---	---	---	---	0	---	---
6899 farm products nec	0	---	---	---	---	0	0	---	---
Total all manufactured equipment, machinery and products	169	---	41	4	1	28	95	---	---
7110 machinery (not elec)	0	---	---	---	---	---	0	---	---
7230 ships & boats	0	---	---	---	---	---	0	---	---
7600 rubber & plastic pr.	0	---	---	---	---	---	0	---	---
7800 empty containers	142	---	41	4	---	28	69	---	---
7900 manufac. prod. nec	28	---	---	---	1	0	26	---	---
Total waste and scrap nec	206	---	---	201	---	5	1	---	---
8900 waste and scrap nec	206	---	---	201	---	5	1	---	---
Ton-miles Internal (x1000)	798,271	6,142	22,955	17,059	29,412	182,620	531,062	282	8,740
Tons All Traffic (x1000)			10,733						
Ton-miles All Traffic (x1000)			802,739						

COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO McNARY LOCK AND DAM, OR AND WA

Section Included: Columbia River between the Dalles Dam and McNary Lock and Dam, a distance of about 91 miles. Controlling Depth: within the Dalles and John Day Pools, 14 feet. Project Depth: 14 feet at adopted low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	6,972	1990	7,392	1993	8,469	1996	9,061
1988	8,846	1991	7,665	1994	9,246		
1989	7,071	1992	7,580	1995	9,802		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Domestic						
		Coastwise		Internal			Through	
		Through		Inbound		Outbound	Through	
		Upbound	Downbnd	Upbound	Downbnd	Downbnd	Upbound	Downbnd
Total, all commodities	9,061	3	41	219	1	1,189	2,135	5,472
Total petroleum and petroleum products	2,020	---	---	---	---	---	2,010	10
Subtotal petroleum products	2,020	---	---	---	---	---	2,010	10
2211 gasoline	1,150	---	---	---	---	---	1,141	10
2330 distillate fuel oil	869	---	---	---	---	---	869	---
2429 naphtha & solvents	0	---	---	---	---	---	---	0
Total chemicals and related products	152	---	41	---	---	---	103	7
Subtotal fertilizers	66	---	41	---	---	---	17	7
3110 nitrogenous fert.	66	---	41	---	---	---	17	7
Subtotal other chemicals and related products	86	---	---	---	---	---	86	0
3273 ammonia	58	---	---	---	---	---	58	---
3274 sodium hydroxide	28	---	---	---	---	---	28	---
3275 inorg. elem. oxides, & halogen salts	0	---	---	---	---	---	---	0
Total crude materials, inedible except fuels	800	3	---	---	1	250	0	546
Subtotal forest products, wood and chips	744	0	---	---	1	215	---	529
4161 wood chips	514	---	---	---	1	215	---	299
4170 wood in the rough	219	---	---	---	---	---	---	219
4189 lumber	1	0	---	---	---	---	---	1

COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO MCNARY LOCK AND DAM, OR AND WA
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Domestic						
		Coastwise		Inbound		Internal		Through
		Through		Upbound	Downbnd	Downbnd	Upbound	
		Upbound	Downbnd					
4190 forest products nec	10	---	---	---	---	---	---	10
Subtotal pulp and waste paper	15	---	---	---	---	---	---	15
4225 pulp & waste paper	15	---	---	---	---	---	---	15
Subtotal soil, sand, gravel, rock and stone	35	---	---	---	---	35	---	---
4331 sand & gravel	35	---	---	---	---	35	---	---
Subtotal sulphur, clay and salt	2	---	---	---	---	---	---	2
4782 clay & refrac. mat.	2	---	---	---	---	---	---	2
Subtotal other non-metal. min.	4	3	---	---	---	---	0	0
4900 non-metal. min. nec	4	3	---	---	---	---	0	0
Total primary manufactured goods	21	0	---	1	---	---	2	18
Subtotal paper products	13	---	---	---	---	---	0	13
5190 paper products nec	13	---	---	---	---	---	0	13
Subtotal lime, cement and glass	0	0	---	---	---	---	0	0
5240 glass & glass prod.	0	---	---	---	---	---	---	0
5290 misc. mineral prod.	0	0	---	---	---	---	0	0
Subtotal primary non-ferrous metal products	8	---	---	1	---	---	2	5
5422 aluminum	0	---	---	---	---	---	0	---
5480 fab. metal products	8	---	---	1	---	---	2	5
Total food and farm products	5,694	---	---	---	---	809	0	4,885
Subtotal grain	5,596	---	---	---	---	799	---	4,797
6241 wheat	5,391	---	---	---	---	784	---	4,607
6344 corn	4	---	---	---	---	---	---	4
6443 barley & rye	201	---	---	---	---	15	---	187
Subtotal vegetable products	34	---	---	---	---	---	---	34
6654 vegetables & prod.	34	---	---	---	---	---	---	34
Subtotal processed grain and animal feed	54	---	---	---	---	10	0	44
6747 grain mill products	8	---	---	---	---	---	0	8
6781 hay & fodder	47	---	---	---	---	10	---	36
6782 animal feed, prep.	0	---	---	---	---	---	---	0
Subtotal other agricultural products	9	---	---	---	---	---	0	9
6839 animals & prod. nec	8	---	---	---	---	---	---	8
6857 fruit & nuts nec	0	---	---	---	---	---	---	0
6889 food products nec	0	---	---	---	---	---	---	0
6899 farm products nec	0	---	---	---	---	---	0	0
Total all manufactured equipment, machinery and products	168	0	---	12	---	131	19	6
7110 machinery (not elec)	0	---	---	---	---	---	---	0
7230 ships & boats	0	---	---	---	---	---	---	0
7400 manufac. wood prod.	0	0	---	---	---	---	---	---
7600 rubber & plastic pr.	0	---	---	---	---	---	---	0
7800 empty containers	142	---	---	12	---	104	19	5
7900 manufac. prod. nec	26	---	---	---	---	26	0	0
Total waste and scrap nec	206	---	---	206	---	---	---	1
8900 waste and scrap nec	206	---	---	206	---	---	---	1
Ton-miles (x1000)	842,809	341	4,039	17,069	23	75,837	209,246	536,254
Tons All Traffic (x1000)		9,061						
Ton-miles All Traffic (x1000)		842,809						

PORT OF PORTLAND, OR

Section Included: (Statistics for that section of Portland Harbor below Ross Island Bridge are also included in statistics for Columbia and Lower Willamette Rivers below Vancouver, WA, and Portland, OR, and statistics for section above Ross Island Bridge are also included in statistics for Willamette River above Portland and Yamhill River, OR). Controlling depth: 28 feet from mouth to Broadway Bridge; 20 feet at low water above Ross Island Bridge to Lake Oswego; 9 feet to Oregon City. Project Depth: 40 feet at low water below Broadway Bridge; 30 feet from Broadway Bridge to foot of Ross Island, maintained by port of Portland; 8 feet at low water above foot of Ross Island. Statistics for section of Oregon Slough (North Portland Harbor), OR, are also included. Controlling Depth: 10 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	26,813	1990	27,475	1993	29,804	1996	29,734
1988	31,971	1991	29,299	1994	30,164		
1989	30,030	1992	28,227	1995	31,256		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	16,548	2,350	13,446	708	44
Total coal	1	---	1	---	---
1100 coal lignite	1	---	1	---	---
Total petroleum and petroleum products	438	313	52	60	12
Subtotal crude petroleum	187	187	---	---	0
2100 crude petroleum	187	187	---	---	0
Subtotal petroleum products	251	127	52	60	12
2211 gasoline	99	54	---	45	---
2330 distillate fuel oil	21	---	13	8	---
2340 residual fuel oil	19	---	---	7	12
2350 lube oil & greases	4	---	4	---	---
2410 petro. jelly & waxes	2	---	2	---	---
2429 naphtha & solvents	0	---	0	---	---
2430 asphalt, tar & pitch	73	73	0	---	---
2540 petroleum coke	32	---	32	---	---
2640 liquid natural gas	0	---	0	---	---
Total chemicals and related products	2,570	76	2,443	19	32
Subtotal fertilizers	22	5	17	---	---
3110 nitrogenous fert.	5	5	0	---	---
3130 potassic fert.	12	---	12	---	---
3190 fert. & mixes nec	5	---	5	---	---
Subtotal other chemicals and related products	2,547	71	2,425	19	32
3211 acyclic hydrocarbons	0	---	0	---	---
3219 other hydrocarbons	0	---	0	---	---
3220 alcohols	62	57	2	3	---
3230 carboxylic acids	10	0	10	---	---
3240 nitrogen func. comp.	9	0	9	---	---
3250 organo-inorganic comp.	1	0	1	---	---
3260 organic comp. nec	3	0	3	---	---
3271 sulphur (liquid)	0	---	0	---	---
3272 sulphuric acid	0	0	---	---	---
3273 ammonia	16	0	0	16	---
3274 sodium hydroxide	28	---	10	---	17
3275 inorg. elem., oxides, & halogen salts	12	2	9	0	1
3276 metallic salts	2,298	2	2,283	---	13
3279 inorganic chem. nec	1	1	0	---	---
3281 radioactive material	0	---	0	---	---
3282 pigments & paints	2	0	2	---	---
3283 coloring mat. nec	0	0	0	---	---
3284 medicines	5	0	5	---	---
3285 perfumes & cleansers	12	2	10	---	---
3286 plastics	49	5	43	0	0
3291 pesticides	0	0	0	---	---
3292 starches, gluten, glue	16	0	16	---	---
3293 explosives	0	0	---	---	---
3297 chemical additives	4	0	4	---	---
3298 wood & resin chem.	4	---	4	---	---
3299 chem. products nec	14	1	13	---	---
Total crude materials, inedible except fuels	2,522	819	1,079	623	---
Subtotal forest products, wood and chips	682	12	655	15	---
4110 rubber & gums	0	---	0	---	---
4150 fuel wood	13	---	2	11	---
4161 wood chips	153	---	149	4	---
4170 wood in the rough	191	---	191	---	---
4189 lumber	325	12	313	0	---
4190 forest products nec	0	0	0	---	---
Subtotal pulp and waste paper	217	0	217	---	---
4225 pulp & waste paper	217	0	217	---	---
Subtotal soil, sand, gravel, rock and stone	571	1	4	567	---
4310 building stone	0	---	0	0	---
4322 limestone	567	---	0	567	---
4323 gypsum	2	---	2	---	---
4327 phosphate rock	0	---	0	---	---
4331 sand & gravel	2	1	1	---	---
Subtotal iron ore and scrap	118	0	118	---	---
4420 iron & steel scrap	118	0	118	---	---
Subtotal non-ferrous ores and scrap	431	336	55	41	---
4630 copper ore	0	---	0	---	---
4650 aluminum ore	377	335	0	41	---
4680 non-ferrous scrap	54	0	54	---	---

PORT OF PORTLAND, OR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
4690 non-ferrous ores nec	0	---	0	---	---
Subtotal sulphur, clay and salt	18	0	18	---	---
4741 sulphur, (dry)	0	0	0	---	---
4782 clay & refrac. mat.	18	---	18	---	---
Subtotal slag	1	---	1	---	---
4860 slag	1	---	1	---	---
Subtotal other non-metal. min.	483	471	12	---	---
4900 non-metal. min. nec	483	471	12	---	---
Total primary manufactured goods	1,366	733	629	5	---
Subtotal paper products	402	5	397	0	---
5110 newsprint	91	0	91	---	---
5120 paper & paperboard	302	4	298	0	---
5190 paper products nec	9	1	8	---	---
Subtotal lime, cement and glass	439	391	48	0	---
5210 lime	0	---	0	---	---
5220 cement & concrete	384	381	2	---	---
5240 glass & glass prod.	7	1	6	---	---
5290 misc. mineral prod.	49	9	39	0	---
Subtotal primary iron and steel products	349	314	30	4	---
5312 pig iron	104	104	0	---	---
5315 ferro alloys	48	41	6	---	---
5320 i&s primary forms	19	19	0	---	---
5330 i&s plates & sheets	57	40	17	---	---
5360 i&s bars & shapes	15	12	2	---	---
5370 i&s pipe & tube	11	11	1	0	---
5390 primary i&s nec	95	87	4	4	---
Subtotal primary non-ferrous metal products	61	19	41	0	---
5421 copper	5	0	5	---	---
5422 aluminum	25	1	23	---	---
5429 smelted prod. nec	5	2	4	---	---
5480 fab. metal products	26	16	10	0	---
Subtotal primary wood products	115	3	112	---	---
5540 primary wood prod.	115	3	112	---	---
Total food and farm products	9,060	56	9,002	1	---
Subtotal fish	5	0	4	0	---
6134 fish (not shellfish)	4	0	4	0	---
6136 shellfish	1	0	1	---	---
Subtotal grain	7,794	3	7,791	---	---
6241 wheat	7,268	---	7,268	---	---
6344 corn	69	---	69	---	---
6442 rice	3	3	0	---	---
6443 barley & rye	454	---	454	---	---
6445 oats	0	---	0	---	---
Subtotal oilseeds	87	---	87	---	---
6522 soybeans	79	---	79	---	---
6590 oilseeds nec	8	---	8	---	---
Subtotal vegetable products	287	32	255	0	---
6653 vegetable oils	32	25	6	0	---
6654 vegetables & prod.	256	7	249	0	---
Subtotal processed grain and animal feed	674	0	674	---	---
6746 wheat flour	2	0	2	---	---
6747 grain mill products	53	0	53	---	---
6781 hay & fodder	316	---	316	---	---
6782 animal feed, prep.	304	---	304	---	---
Subtotal other agricultural products	212	21	191	1	---
6811 meat, fresh, frozen	16	0	16	---	---
6817 meat, prepared	5	---	5	---	---
6822 dairy products	14	---	14	---	---
6835 fish, prepared	1	1	0	---	---
6838 tallow, animal oils	0	---	0	---	---
6839 animals & prod. nec	38	0	38	---	---
6856 bananas & plantains	0	0	---	---	---
6857 fruit & nuts nec	7	1	6	---	---
6858 fruit juices	26	8	18	0	---
6861 sugar	0	---	0	---	---
6865 molasses	13	---	13	---	---
6871 coffee	0	0	0	---	---
6872 cocoa beans	0	0	0	---	---
6885 alcoholic beverages	16	10	6	1	---
6888 water & ice	1	0	0	0	---
6889 food products nec	39	1	38	0	---
6891 tobacco & products	9	---	9	---	---
6893 cotton	14	---	14	---	---
6894 natural fibers nec	0	0	---	---	---
6899 farm products nec	15	0	14	---	---
Total all manufactured equipment, machinery and products	582	350	231	0	0
7110 machinery (not elec)	55	10	45	0	0
7120 electrical machinery	38	13	25	0	---
7210 vehicles & parts	334	266	68	0	---
7220 aircraft & parts	0	0	0	---	---
7230 ships & boats	0	0	0	---	---
7300 ordnance & access.	0	---	0	---	---
7400 manufac. wood prod.	27	2	24	0	---
7500 textile products	20	10	9	0	---
7600 rubber & plastic pr.	27	8	19	0	0
7900 manufac. prod. nec	81	41	40	0	0
Total unknown or not elsewhere classified	11	2	9	0	0
9900 unknown or nec	11	2	9	0	0

PORT OF PORTLAND, OR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	13,186	3,466	271	5,499	2,711	1,239
Total petroleum and petroleum products	6,228	3,217	156	28	2,501	327
Subtotal crude petroleum	69	69	---	---	---	---
2100 crude petroleum	69	69	---	---	---	---
Subtotal petroleum products	6,159	3,147	156	28	2,501	327
2211 gasoline	3,092	1,869	31	13	1,126	52
2330 distillate fuel oil	1,510	588	30	---	848	44
2340 residual fuel oil	1,202	384	83	12	500	221
2350 lube oil & greases	119	83	---	---	26	10
2429 naphtha & solvents	3	---	3	0	---	---
2430 asphalt, tar & pitch	232	224	8	---	---	---
2540 petroleum coke	3	---	---	2	0	---
Total chemicals and related products	328	140	86	0	102	---
Subtotal fertilizers	112	96	---	---	16	---
3110 nitrogenous fert.	112	96	---	---	16	---
Subtotal other chemicals and related products	217	45	86	0	86	---
3220 alcohols	6	---	6	---	---	---
3273 ammonia	102	45	---	---	58	---
3274 sodium hydroxide	107	---	79	---	28	---
3275 inorg. elem., oxides, & halogen salts	0	---	---	0	---	---
3286 plastics	1	---	1	---	---	---
Total crude materials, inedible except fuels	2,445	93	13	1,374	68	897
Subtotal forest products, wood and chips	45	6	13	6	20	---
4161 wood chips	20	---	---	1	20	---
4170 wood in the rough	11	6	3	1	1	---
4189 lumber	11	---	10	1	---	---
4190 forest products nec	3	---	---	3	---	---
Subtotal pulp and waste paper	52	---	---	5	47	---
4225 pulp & waste paper	52	---	---	5	47	---
Subtotal soil, sand, gravel, rock and stone	2,343	87	---	1,359	---	897
4331 sand & gravel	2,343	87	---	1,359	---	897
Subtotal iron ore and scrap	3	---	---	3	---	---
4420 iron & steel scrap	3	---	---	3	---	---
Subtotal sulphur, clay and salt	2	---	---	2	---	---
4782 clay & refrac. mat.	2	---	---	2	---	---
Subtotal other non-metal. min.	0	---	---	0	0	---
4900 non-metal. min. nec	0	---	---	0	0	---
Total primary manufactured goods	630	15	16	592	6	1
Subtotal paper products	593	---	2	587	4	---
5120 paper & paperboard	577	---	---	574	4	---
5190 paper products nec	15	---	2	13	0	---
Subtotal lime, cement and glass	16	15	0	0	0	---
5220 cement & concrete	15	15	---	---	---	---
5240 glass & glass prod.	0	---	0	0	---	---
5290 misc. mineral prod.	0	---	---	0	0	---
Subtotal primary iron and steel products	11	---	11	0	---	---
5330 i&s plates & sheets	0	---	---	---	---	---
5360 i&s bars & shapes	11	---	11	0	---	---
Subtotal primary non-ferrous metal products	9	---	1	5	2	1
5421 copper	0	---	0	---	---	---
5422 aluminum	0	---	---	---	0	---
5480 fab. metal products	9	---	1	5	2	1
Subtotal primary wood products	1	---	1	---	---	---
5540 primary wood prod.	1	---	1	---	---	---
Total food and farm products	3,424	---	---	3,407	4	13
Subtotal grain	3,326	---	---	3,310	4	13
6241 wheat	3,157	---	---	3,140	4	13
6344 corn	4	---	---	4	---	---
6443 barley & rye	166	---	---	166	---	---
Subtotal vegetable products	34	---	---	34	---	---
6654 vegetables & prod.	34	---	---	34	---	---
Subtotal processed grain and animal feed	54	---	---	54	0	---
6747 grain mill products	8	---	---	8	0	---
6781 hay & fodder	47	---	---	47	---	---
6782 animal feed, prep.	0	---	---	0	---	---
Subtotal other agricultural products	9	---	---	9	0	---
6839 animals & prod. nec	8	---	---	8	---	---
6857 fruit & nuts nec	0	---	---	0	---	---
6889 food products nec	0	---	---	0	---	---
6899 farm products nec	0	---	---	0	0	---
Total all manufactured equipment, machinery and products	124	---	1	97	27	---
7110 machinery (not elec)	0	---	0	0	---	---
7210 vehicles & parts	0	---	0	---	---	---
7230 ships & boats	0	---	0	0	---	---
7400 manufac. wood prod.	0	---	0	---	---	---
7600 rubber & plastic pr.	0	---	---	0	---	---
7800 empty containers	96	---	---	69	27	---
7900 manufac. prod. nec	28	---	0	28	0	---
Total waste and scrap nec	6	---	---	1	5	---
8900 waste and scrap nec	6	---	---	1	5	---

WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OR

Section Included: Willamette River from Portland to Harrisburg, OR, a distance of 159 miles, and Yamhill River from mouth to mile 4.0. Controlling Depth: 8 feet from Portland to Oregon City; 3 feet to Corvallis; 4 feet on Yamhill River from mouth to mile 4.0. Project Depth: Willamette River, 8 feet from Portland to Oregon City; 6 feet from Oregon City to mouth of Santiam River; 5 feet from mouth of Santiam River to Albany; 2.5 feet to 3.5 feet from Albany to Corvallis; no depths prescribed from Corvallis to Harrisburg; Yamhill River, 4 feet from mouth to mile 4.0.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	2,620	1990	2,224	1993	1,375	1996	1,360
1988	3,121	1991	1,575	1994	1,481		
1989	1,981	1992	1,448	1995	1,486		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Internal			
		Inbound	Outbound	Intra	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,360	25	1,045	199	91
Total crude materials, inedible except fuels	1,332	25	1,017	199	91
Subtotal forest products, wood and chips	116	---	116	---	---
4150 fuel wood	20	---	20	---	---
4161 wood chips	95	---	95	---	---
4170 wood in the rough	1	---	1	---	---
Subtotal pulp and waste paper	28	25	4	---	---
4225 pulp & waste paper	28	25	4	---	---
Subtotal soil, sand, gravel, rock and stone	1,188	---	897	199	91
4331 sand & gravel	1,188	---	897	199	91
Total primary manufactured goods	28	---	28	---	---
Subtotal paper products	28	---	28	---	---
5120 paper & paperboard	28	---	28	---	---
Ton-miles (x1000)	2,928	270	1,053	965	640
Tons All Traffic (x1000)	1,360				
Ton-miles All Traffic (x1000)	2,928				

COOS BAY, OR

Section Included: From sea to Millington, a distance of 17 miles. (Same section and statistics apply to Port of Coos Bay). Controlling Depth: 39 feet in entrance channel: 30 feet in inner channel to mile 15; 20 feet in Isthmus Slough to Millington. Project Depth: 45/35 feet on bar and 35 feet from entrance to mile 15; turning basins of same depth opposite Coalbank Slough and at the city of North Bend: Anchorage basins 27 feet at mile 3.5 and near mile 7; a channel 22 feet deep from Smith's Mill (mile 15) to Millington; mooring basin for small boats at Charleston, with a connecting channel 16 feet deep to deep water in Coos Bay.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	7,762	1990	6,069	1993	5,413	1996	3,322
1988	7,830	1991	5,523	1994	3,744		
1989	6,986	1992	4,458	1995	3,628		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Intraport
Total, all commodities	3,322	64	2,867	5	387	287	34	9	58
Total petroleum and petroleum products	200	---	---	---	200	147	3	---	51
Subtotal petroleum products	200	---	---	---	200	147	3	---	51
2211 gasoline	3	---	---	---	3	---	3	---	---
2330 distillate fuel oil	97	---	---	---	97	97	---	---	---
2340 residual fuel oil	101	---	---	---	101	50	---	---	51
Total chemicals and related products	0	---	0	---	---	---	---	---	---
Subtotal other chemicals and related products	0	---	0	---	---	---	---	---	---
3297 chemical additives	0	---	0	---	---	---	---	---	---

COOS BAY, OR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Intraport
Total crude materials, inedible except fuels	3,035	54	2,816	5	160	140	13	---	7
Subtotal forest products, wood and chips	2,993	30	2,798	5	160	140	13	---	7
4150 fuel wood	5	---	---	5	---	---	---	---	---
4161 wood chips	2,158	---	2,158	---	---	---	---	---	---
4170 wood in the rough	548	10	388	---	149	140	2	---	7
4189 lumber	282	19	252	---	11	---	11	---	---
Subtotal pulp and waste paper	18	---	18	---	---	---	---	---	---
4225 pulp & waste paper	18	---	18	---	---	---	---	---	---
Subtotal non-ferrous ores and scrap	24	24	---	---	---	---	---	---	---
4690 non-ferrous ores nec	24	24	---	---	---	---	---	---	---
Total primary manufactured goods	57	10	29	---	17	---	17	---	---
Subtotal paper products	37	---	27	---	9	---	9	---	---
5120 paper & paperboard	27	---	27	---	---	---	---	---	---
5190 paper products nec	9	---	---	---	9	---	9	---	---
Subtotal lime, cement and glass	0	---	---	---	0	---	0	---	---
5240 glass & glass prod.	0	---	---	---	0	---	0	---	---
Subtotal primary iron and steel products	10	10	---	---	---	---	---	---	---
5315 ferro alloys	9	9	---	---	---	---	---	---	---
5330 i&s plates & sheets	1	1	---	---	---	---	---	---	---
5370 i&s pipe & tube	0	0	---	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	0	---	0	---	0	---	0	---	---
5429 smelted prod. nec	0	---	0	---	---	---	---	---	---
5480 fab. metal products	0	---	---	---	0	---	0	---	---
Subtotal primary wood products	10	---	2	---	8	---	8	---	---
5540 primary wood prod.	10	---	2	---	8	---	8	---	---
Total food and farm products	9	0	---	0	9	---	---	9	---
Subtotal fish	9	---	---	0	9	---	---	9	---
6134 fish (not shellfish)	7	---	---	0	6	---	---	6	---
6136 shellfish	3	---	---	---	3	---	---	3	---
Subtotal other agricultural products	0	0	---	---	---	---	---	---	---
6857 fruit & nuts nec	0	0	---	---	---	---	---	---	---
6858 fruit juices	0	0	---	---	---	---	---	---	---
Total all manufactured equipment, machinery and products	3	0	3	---	0	0	0	---	---
7110 machinery (not elec)	1	---	1	---	0	0	---	---	---
7210 vehicles & parts	0	0	0	---	0	---	0	---	---
7300 ordnance & access.	0	---	0	---	---	---	---	---	---
7400 manufac. wood prod.	1	---	1	---	---	---	---	---	---
7600 rubber & plastic pr.	0	---	---	---	0	---	0	---	---

COOS BAY, OR
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Imports	Exports	Imports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Intraport
Total unknown or not elsewhere classified	19	---	19	---	---	---	---	---	---
9900 unknown or nec	19	---	19	---	---	---	---	---	---

COLUMBIA RIVER SYSTEM

Section Included: Main channels and all navigable tributaries of the Columbia, Willamette and Snake Rivers.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	0	1990	53,229	1993	53,558	1996	54,023
1988	0	1991	52,376	1994	52,607		
1989	0	1992	53,427	1995	60,092		

*Not compiled prior to 1990.

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	34,018	3,703	29,399	790	126
Total coal	1	---	1	---	---
1100 coal lignite	1	---	1	---	---
Total petroleum and petroleum products	1,074	350	567	64	94
Subtotal crude petroleum	187	187	---	---	0
2100 crude petroleum	187	187	---	---	0
Subtotal petroleum products	888	163	567	64	93
2211 gasoline	102	54	---	49	---
2330 distillate fuel oil	21	---	13	8	---
2340 residual fuel oil	19	---	---	7	12
2350 lube oil & greases	5	0	5	---	---
2410 petro. jelly & waxes	2	---	2	---	---
2429 naphtha & solvents	0	---	0	---	---
2430 asphalt, tar & pitch	92	92	0	---	---
2540 petroleum coke	646	18	546	---	81
2640 liquid natural gas	0	---	0	---	---
Total chemicals and related products	3,319	176	3,093	19	32
Subtotal fertilizers	314	56	257	---	---
3110 nitrogenous fert.	75	46	28	---	---
3130 potassic fert.	200	---	200	---	---
3190 fert. & mixes nec	39	10	29	---	---
Subtotal other chemicals and related products	3,006	119	2,836	19	32
3211 acyclic hydrocarbons	0	---	0	---	---
3212 benzene & toluene	20	20	---	---	---
3219 other hydrocarbons	0	---	0	---	---
3220 alcohols	85	79	2	3	---
3230 carboxylic acids	11	0	10	---	---
3240 nitrogen func. comp.	9	0	9	---	---
3250 organo-inorganic comp.	1	0	1	---	---
3260 organic comp. nec	3	0	3	---	---
3271 sulphur (liquid)	0	---	0	---	---
3272 sulphuric acid	0	0	---	---	---
3273 ammonia	16	0	0	16	---
3274 sodium hydroxide	88	---	70	---	17
3275 inorg. elem., oxides, & halogen salts	13	2	9	0	1
3276 metallic salts	2,645	8	2,624	---	13
3279 inorganic chem. nec	1	1	0	---	---
3281 radioactive material	3	---	3	---	---
3282 pigments & paints	2	0	2	---	---
3283 coloring mat. nec	0	0	0	---	---
3284 medicines	5	0	5	---	---
3285 perfumes & cleansers	12	2	10	---	---
3286 plastics	51	5	45	0	0
3291 pesticides	1	0	0	---	---
3292 starches, gluten, glue	16	0	16	---	---
3293 explosives	0	0	---	---	---
3297 chemical additives	4	0	4	---	---
3298 wood & resin chem.	5	---	5	---	---
3299 chem. products nec	14	1	13	---	---
Total crude materials, inedible except fuels	6,687	1,807	4,180	700	0
Subtotal forest products, wood and chips	3,318	19	3,207	92	0
4110 rubber & gums	0	---	0	---	---
4150 fuel wood	90	---	2	88	---
4161 wood chips	231	---	227	4	---
4170 wood in the rough	2,464	---	2,464	---	---
4189 lumber	533	19	514	0	0
4190 forest products nec	0	0	0	---	---
Subtotal pulp and waste paper	386	52	334	---	---
4225 pulp & waste paper	386	52	334	---	---

COLUMBIA RIVER SYSTEM
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal soil, sand, gravel, rock and stone	571	1	4	567	---
4310 building stone	0	---	0	0	---
4322 limestone	567	---	0	567	---
4323 gypsum	2	---	2	---	---
4327 phosphate rock	0	---	0	---	---
4331 sand & gravel	2	1	1	---	---
Subtotal iron ore and scrap	118	0	118	---	---
4420 iron & steel scrap	118	0	118	---	---
Subtotal non-ferrous ores and scrap	1,523	1,177	305	41	---
4630 copper ore	226	---	226	---	---
4650 aluminum ore	1,212	1,171	0	41	---
4680 non-ferrous scrap	55	0	55	---	---
4690 non-ferrous ores nec	30	6	24	---	---
Subtotal sulphur, clay and salt	190	10	180	---	---
4741 sulphur, (dry)	0	0	0	---	---
4782 clay & refrac. mat.	190	10	180	---	---
Subtotal slag	1	---	1	---	---
4860 slag	1	---	1	---	---
Subtotal other non-metal. min.	580	548	32	---	---
4900 non-metal. min. nec	580	548	32	---	---
Total primary manufactured goods	1,952	919	1,029	5	0
Subtotal paper products	763	5	758	0	---
5110 newsprint	444	0	444	---	---
5120 paper & paperboard	310	4	306	0	---
5190 paper products nec	9	1	8	---	---
Subtotal lime, cement and glass	471	416	55	0	---
5210 lime	0	---	0	---	---
5220 cement & concrete	408	406	2	---	---
5240 glass & glass prod.	7	1	6	---	---
5290 misc. mineral prod.	56	9	46	0	---
Subtotal primary iron and steel products	487	451	31	4	---
5312 pig iron	104	104	0	---	---
5315 ferro alloys	55	49	6	---	---
5320 i&s primary forms	32	32	1	---	---
5330 i&s plates & sheets	110	93	17	---	---
5360 i&s bars & shapes	28	26	2	---	---
5370 i&s pipe & tube	55	54	1	0	---
5390 primary i&s nec	103	94	4	4	---
Subtotal primary non-ferrous metal products	82	20	62	0	---
5421 copper	5	0	5	---	---
5422 aluminum	45	1	44	---	---
5429 smelted prod. nec	5	2	4	---	---
5480 fab. metal products	26	16	10	0	---
Subtotal primary wood products	150	27	123	---	0
5540 primary wood prod.	150	27	123	---	0
Total food and farm products	20,343	68	20,273	2	---
Subtotal fish	5	0	4	0	---
6134 fish (not shellfish)	4	0	4	0	---
6136 shellfish	1	0	1	---	---
Subtotal grain	18,577	3	18,574	---	---
6241 wheat	13,099	---	13,099	---	---
6344 corn	4,738	---	4,738	---	---
6442 rice	3	3	0	---	---
6443 barley & rye	592	---	592	---	---
6445 oats	0	---	0	---	---
6447 sorghum grains	144	---	144	---	---
Subtotal oilseeds	296	---	296	---	---
6522 soybeans	284	---	284	---	---
6590 oilseeds nec	13	---	13	---	---
Subtotal vegetable products	311	44	267	0	---
6653 vegetable oils	50	37	13	0	---
6654 vegetables & prod.	261	7	254	0	---
Subtotal processed grain and animal feed	937	0	937	---	---
6746 wheat flour	2	0	2	---	---
6747 grain mill products	59	0	59	---	---
6781 hay & fodder	324	---	324	---	---
6782 animal feed, prep.	552	---	552	---	---
Subtotal other agricultural products	217	21	195	1	---
6811 meat, fresh, frozen	17	0	17	---	---
6817 meat, prepared	5	---	5	---	---
6822 dairy products	14	---	14	---	---
6835 fish, prepared	1	1	0	---	---
6838 tallow, animal oils	0	---	0	---	---
6839 animals & prod. nec	40	0	39	---	---
6856 bananas & plantains	0	0	---	---	---
6857 fruit & nuts nec	7	1	6	---	---
6858 fruit juices	26	8	18	0	---
6861 sugar	0	---	0	---	---
6865 molasses	13	---	13	---	---
6871 coffee	0	0	0	---	---
6872 cocoa beans	0	0	0	---	---
6885 alcoholic beverages	16	10	6	1	---
6888 water & ice	1	0	0	0	---
6889 food products nec	39	1	38	0	---
6891 tobacco & products	9	---	9	---	---
6893 cotton	14	---	14	---	---
6894 natural fibers nec	0	0	---	---	---
6899 farm products nec	15	0	15	---	---
Total all manufactured equipment, machinery and products	625	379	245	0	1
7110 machinery (not elec)	57	10	46	0	1
7120 electrical machinery	39	13	26	0	---

COLUMBIA RIVER SYSTEM
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
7210 vehicles & parts	366	292	74	0	---
7220 aircraft & parts	0	0	0	---	---
7230 ships & boats	1	0	0	---	---
7300 ordnance & access.	0	---	0	---	---
7400 manufac. wood prod.	30	5	25	0	---
7500 textile products	21	10	11	0	---
7600 rubber & plastic pr.	29	8	21	0	0
7900 manufac. prod. nec	82	41	41	0	0
Total unknown or not elsewhere classified	16	4	12	0	0
9900 unknown or nec	16	4	12	0	0
Ton-miles (x1000)	1,588,209	146,100	1,426,800	9,367	5,942
Foreign & Canadian					

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Upbound	Upbound	Downbnd
Total, all commodities	20,005	4,133	618	32	9,970	5,252
Total petroleum and petroleum products	6,362	3,269	182	---	2,688	223
Subtotal crude petroleum	69	69	---	---	---	---
2100 crude petroleum	69	69	---	---	---	---
Subtotal petroleum products	6,293	3,200	182	---	2,688	223
2211 gasoline	3,158	1,911	38	---	1,210	---
2330 distillate fuel oil	1,551	588	41	---	922	---
2340 residual fuel oil	1,227	395	92	---	528	212
2350 lube oil & greases	119	83	---	---	25	11
2429 naphtha & solvents	3	---	3	---	0	---
2430 asphalt, tar & pitch	232	224	8	---	---	---
2540 petroleum coke	3	---	---	---	2	0
Total chemicals and related products	586	191	196	---	150	48
Subtotal fertilizers	258	96	57	---	58	48
3110 nitrogenous fert.	255	96	56	---	56	47
3190 fert. & mixes nec	3	---	1	---	1	0
Subtotal other chemicals and related products	327	96	139	---	93	---
3212 benzene & toluene	51	51	---	---	---	---
3220 alcohols	6	---	6	---	---	---
3273 ammonia	109	45	---	---	64	---
3274 sodium hydroxide	150	---	121	---	28	---
3275 inorg. elem., oxides, & halogen salts	0	---	---	---	0	---
3286 plastics	1	---	1	---	---	---
3298 wood & resin chem.	11	---	11	---	---	---
Total crude materials, inedible except fuels	6,130	656	217	---	2,756	2,501
Subtotal forest products, wood and chips	2,482	437	217	---	472	1,355
4150 fuel wood	20	---	---	---	6	14
4161 wood chips	1,598	372	5	---	439	782
4170 wood in the rough	644	65	3	---	23	553
4189 lumber	210	0	209	---	1	---
4190 forest products nec	10	---	---	---	3	7
Subtotal pulp and waste paper	97	---	---	---	48	49
4225 pulp & waste paper	97	---	---	---	48	49
Subtotal soil, sand, gravel, rock and stone	3,416	87	---	---	2,232	1,097
4331 sand & gravel	3,416	87	---	---	2,232	1,097
Subtotal iron ore and scrap	3	---	---	---	3	---
4420 iron & steel scrap	3	---	---	---	3	---
Subtotal sulphur, clay and salt	2	---	---	---	2	---
4782 clay & refrac. mat.	2	---	---	---	2	---
Subtotal other non-metal. min.	131	131	---	---	0	---
4900 non-metal. min. nec	131	131	---	---	0	---
Total primary manufactured goods	646	16	22	---	578	31
Subtotal paper products	608	---	9	---	569	30
5110 newsprint	1	---	1	---	---	---
5120 paper & paperboard	586	---	---	---	555	30
5190 paper products nec	21	---	8	---	13	---
Subtotal lime, cement and glass	16	16	0	---	0	---
5220 cement & concrete	15	15	---	---	---	---
5240 glass & glass prod.	0	---	0	---	0	---
5290 misc. mineral prod.	1	1	---	---	0	---
Subtotal primary iron and steel products	11	---	11	---	0	---
5330 i&s plates & sheets	0	---	0	---	---	---
5360 i&s bars & shapes	11	---	11	---	0	---
Subtotal primary non-ferrous metal products	10	---	1	---	9	0
5421 copper	0	---	0	---	---	---
5422 aluminum	0	---	---	---	0	---
5480 fab. metal products	10	---	1	---	9	0
Subtotal primary wood products	1	---	1	---	---	---
5540 primary wood prod.	1	---	1	---	---	---
Total food and farm products	5,902	---	---	32	3,462	2,407
Subtotal fish	61	---	---	32	29	---
6134 fish (not shellfish)	41	---	---	20	21	---
6136 shellfish	20	---	---	12	8	---
Subtotal grain	5,742	---	---	---	3,335	2,407
6241 wheat	5,537	---	---	---	3,166	2,371

COLUMBIA RIVER SYSTEM
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Outbound Upbound	Intra Upbound	Downbnd
6344 corn	4	---	---	---	4	---
6443 barley & rye	202	---	---	---	166	36
Subtotal vegetable products	34	---	---	---	34	---
6654 vegetables & prod.	34	---	---	---	34	---
Subtotal processed grain and animal feed	54	---	---	---	54	---
6747 grain mill products	8	---	---	---	8	---
6781 hay & fodder	47	---	---	---	47	---
6782 animal feed, prep.	0	---	---	---	0	---
Subtotal other agricultural products	9	---	---	---	9	0
6839 animals & prod. nec	8	---	---	---	8	---
6857 fruit & nuts nec	0	---	---	---	0	---
6889 food products nec	0	---	---	---	0	---
6899 farm products nec	0	---	---	---	0	0
Total all manufactured equipment, machinery and products	173	1	1	---	129	42
7110 machinery (not elec)	1	1	0	---	0	---
7210 vehicles & parts	2	---	0	---	1	1
7230 ships & boats	0	---	0	---	0	---
7400 manufac. wood prod.	0	0	0	---	---	---
7600 rubber & plastic pr.	0	---	---	---	0	---
7800 empty containers	142	---	---	---	101	41
7900 manufac. prod. nec	28	---	0	---	28	---
Total waste and scrap nec	206	---	---	---	206	---
8900 waste and scrap nec	206	---	---	---	206	---
Ton-miles (x1000)	382,824	61,921	26,476	32	128,988	165,407
Domestic						
Tons All Traffic (x1000)	54,023					
Ton-miles All Traffic (x1000)	1,971,033					

Other Harbors and Waterways 1996

Harbor or Waterway Project	Commodity	Thousand Short Tons
ALSEA BAY AND RIVER, OR	No Commerce Reported	
CHETCO RIVER, OR	6134 fish (not shellfish)	1
	6136 shellfish	3
	Total Tons(x1000)	4
	Total Ton-miles(x1000)	4
CHINOOK CHANNEL, WA	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	2
	Total Ton-miles(x1000)	2
CLATSKANIE RIVER, OR	No Commerce Reported	
COLUMBIA RIVER AT BAKERS BAY, WA	6134 fish (not shellfish)	8
	6136 shellfish	1
	Total Tons(x1000)	10
	Total Ton-miles(x1000)	10
COLUMBIA SLOUGH, OR	No Commerce Reported	
COOS AND MILLICOMA RIVERS, OR	No Commerce Reported	
COQUILLE RIVER, OR	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
COWLITZ RIVER, WA	6134 fish (not shellfish)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
DEEP RIVER, WA	No Commerce Reported	
DEPOE BAY, OR	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
ELOKOMIN SLOUGH, WA	No Commerce Reported	
GRAYS RIVER, WA	No Commerce Reported	
LAKE RIVER, WA	3110 nitrogenous fert.	0
	3190 fert. & mixes nec	2
	5480 fab. metal products	0
	6241 wheat	1
	6443 barley & rye	0
	6899 farm products nec	0
	7210 vehicles & parts	2
	Total Tons(x1000)	5
	Total Ton-miles(x1000)	5
LEWIS RIVER, WA	No Commerce Reported	
PORT OF ST. HELENS, OR	No Commerce Reported	
PORT ORFORD, OR	6134 fish (not shellfish)	1
	6136 shellfish	1
	Total Tons(x1000)	2

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
ROGUE RIVER, OR	6134 fish (not shellfish)	0
	6136 shellfish	0
	7900 manufac. prod. nec	0
	9900 unknown or nec	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
SIUSLAW RIVER, OR	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	2
SKAMOKAWA (STEAMBOAT) SLOUGH, WA	6134 fish (not shellfish)	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
SKAMOKAWA CREEK, WA	No Commerce Reported	
SKIPANON CHANNEL, OR	4161 wood chips	13
	4170 wood in the rough	13
	Total Tons(x1000)	25
	Total Ton-miles(x1000)	25
SMITH RIVER, OR	No Commerce Reported	
TILLAMOOK BAY AND BAR, OR	6134 fish (not shellfish)	1
	6136 shellfish	1
	Total Tons(x1000)	2
UMPQUA RIVER, OR	4331 sand & gravel	188
	6134 fish (not shellfish)	0
	6136 shellfish	0
	Total Tons(x1000)	189
	Total Ton-miles(x1000)	2,074
WESTPORT SLOUGH, OR	No Commerce Reported	
YAQUINA BAY AND HARBOR, OR	2330 distillate fuel oil	2
	4170 wood in the rough	26
	6134 fish (not shellfish)	11
	6136 shellfish	4
	6241 wheat	8
	7500 textile products	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	51
	Total Ton-miles(x1000)	102
YAQUINA RIVER, OR	No Commerce Reported	
YOUNGS BAY AND YOUNGS RIVER, OR	No Commerce Reported	

GRAYS HARBOR AND CHEHALIS RIVER, WA

Section Included: Grays Harbor bar channel and Chehalis River to Cosmopolis and extending to Simpson Avenue bridge on the Hoquiam River and the Schafer Bros. wharf at Montesano on the Chehalis River. Controlling Depth: Bar channel, 37.1 feet; 25.5 feet from deep water in Lower Harbor to Upper Cross-Over; 27.0 feet from Upper Cross-Over to Cow Point; 25.6 feet from Cow Point to Cosmopolis; turning basin just downstream of Cow Point, 29.0 feet; turning basin near Elliott Slough, 25.5 feet. 5.5 feet from Cosmopolis to Montesano; Bay City channel, 9.1 feet; Westhaven Channel, 13.9 feet north entrance, 13.0 feet south entrance. Project Depth: 30 feet extending through the bar channel to Cosmopolis; Bay 16 feet to Montesano; Bay City channel, 14 feet; Westhaven channel, 16 feet. All depths refer to mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	4,346	1990	12,825	1993	4,383	1996	1,990
1988	6,488	1991	4,488	1994	1,654		
1989	5,351	1992	6,953	1995	1,566		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports	Exports	Total	Coastwise	Internal
					Shipments	Receipts
Total, all commodities	1,990	85	1,549	356	355	1
Total petroleum and petroleum products	85	85	0	---	---	---
Subtotal crude petroleum	85	85	---	---	---	---
2100 crude petroleum	85	85	---	---	---	---
Subtotal petroleum products	0	---	0	---	---	---
2429 naphtha & solvents	0	---	0	---	---	---
Total chemicals and related products	8	---	8	---	---	---
Subtotal fertilizers	0	---	0	---	---	---
3130 potassic fert.	0	---	0	---	---	---
Subtotal other chemicals and related products	8	---	8	---	---	---
3219 other hydrocarbons	0	---	0	---	---	---
3220 alcohols	0	---	0	---	---	---
3230 carboxylic acids	0	---	0	---	---	---
3240 nitrogen func. comp.	0	---	0	---	---	---
3250 organo-inorganic comp.	1	---	1	---	---	---
3260 organic comp. nec	0	---	0	---	---	---
3275 inorg. elem., oxides, & halogen salts	1	---	1	---	---	---
3276 metallic salts	1	---	1	---	---	---
3279 inorganic chem. nec	0	---	0	---	---	---
3281 radioactive material	0	---	0	---	---	---
3282 pigments & paints	0	---	0	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---
3284 medicines	0	---	0	---	---	---
3285 perfumes & cleansers	1	---	1	---	---	---
3286 plastics	2	---	2	---	---	---
3291 pesticides	0	---	0	---	---	---
3292 starches, gluten, glue	0	---	0	---	---	---
3297 chemical additives	0	---	0	---	---	---
3298 wood & resin chem.	0	---	0	---	---	---
3299 chem. products nec	1	---	1	---	---	---
Total crude materials, inedible except fuels	1,814	0	1,459	355	355	---
Subtotal forest products, wood and chips	1,809	0	1,454	355	355	---
4161 wood chips	245	---	---	245	245	---
4170 wood in the rough	1,374	0	1,361	13	13	---
4189 lumber	190	---	93	96	96	---
4190 forest products nec	0	---	0	---	---	---
Subtotal pulp and waste paper	3	---	3	---	---	---
4225 pulp & waste paper	3	---	3	---	---	---
Subtotal soil, sand, gravel, rock and stone	0	---	0	---	---	---
4323 gypsum	0	---	0	---	---	---
Subtotal non-ferrous ores and scrap	1	---	1	---	---	---
4630 copper ore	1	---	1	---	---	---
4650 aluminum ore	0	---	0	---	---	---
4680 non-ferrous scrap	0	---	0	---	---	---
4690 non-ferrous ores nec	0	---	0	---	---	---
Subtotal sulphur, clay and salt	0	---	0	---	---	---
4782 clay & refrac. mat.	0	---	0	---	---	---
Subtotal other non-metal. min.	1	---	1	---	---	---
4900 non-metal. min. nec	1	---	1	---	---	---
Total primary manufactured goods	73	0	73	---	---	---
Subtotal paper products	2	---	2	---	---	---
5120 paper & paperboard	2	---	2	---	---	---
5190 paper products nec	1	---	1	---	---	---
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	1	---	1	---	---	---
5315 ferro alloys	0	---	0	---	---	---
5330 i&s plates & sheets	0	---	0	---	---	---
5360 i&s bars & shapes	1	---	1	---	---	---
Subtotal primary non-ferrous metal products	69	0	69	---	---	---
5422 aluminum	69	---	69	---	---	---
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	4	1	3	1	---	1
Subtotal fish	1	---	---	1	---	1
6134 fish (not shellfish)	0	---	---	0	---	0
6136 shellfish	1	---	---	1	---	1

GRAYS HARBOR AND CHEHALIS RIVER, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Imports	Exports	Total	Coastwise Shipments	Internal Receipts
Subtotal grain	0	---	0	---	---	---
6344 corn	0	---	0	---	---	---
Subtotal oilseeds	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	0	---	0	---	---	---
6747 grain mill products	0	---	0	---	---	---
6782 animal feed, prep.	0	---	0	---	---	---
Subtotal other agricultural products	3	1	2	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---
6817 meat, prepared	0	---	0	---	---	---
6822 dairy products	0	---	0	---	---	---
6839 animals & prod. nec	0	---	0	---	---	---
6857 fruit & nuts nec	1	---	1	---	---	---
6858 fruit juices	0	---	0	---	---	---
6872 cocoa beans	1	1	---	---	---	---
6885 alcoholic beverages	1	0	1	---	---	---
6889 food products nec	0	---	0	---	---	---
6899 farm products nec	0	---	0	---	---	---
Total all manufactured equipment, machinery and products	7	0	6	---	---	---
7110 machinery (not elec)	0	0	0	---	---	---
7120 electrical machinery	2	---	2	---	---	---
7210 vehicles & parts	0	---	0	---	---	---
7400 manufac. wood prod.	0	---	0	---	---	---
7500 textile products	1	0	1	---	---	---
7600 rubber & plastic pr.	2	---	2	---	---	---
7900 manufac. prod. nec	1	0	1	---	---	---
Total unknown or not elsewhere classified	0	---	0	---	---	---
9900 unknown or nec	0	---	0	---	---	---

PORT ANGELES HARBOR, WA

Section Included: Entire harbor from Rayonier, Inc. Wharf westward. Controlling Depth: Unlimited except for 25 feet near Rayonier, Inc. Wharf. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	2,873	1990	3,072	1993	1,987	1996	2,780
1988	3,089	1991	2,680	1994	1,695		
1989	2,837	1992	2,336	1995	1,911		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	882	48	586	168	80
Total petroleum and petroleum products	127	---	9	86	31
Subtotal crude petroleum	3	---	---	3	---
2100 crude petroleum	3	---	---	3	---
Subtotal petroleum products	124	---	9	83	31
2221 kerosene	9	---	9	---	---
2330 distillate fuel oil	21	---	---	21	---
2340 residual fuel oil	93	---	---	62	31
Total chemicals and related products	0	0	---	---	---
Subtotal other chemicals and related products	0	0	---	---	---
3240 nitrogen func. comp.	0	0	---	---	---
3274 sodium hydroxide	0	0	---	---	---
3282 pigments & paints	0	0	---	---	---
3283 coloring mat. nec	0	0	---	---	---
3285 perfumes & cleansers	0	0	---	---	---
3286 plastics	0	0	---	---	---
3292 starches, gluten, glue	0	0	---	---	---
Total crude materials, inedible except fuels	737	44	567	78	49
Subtotal forest products, wood and chips	648	0	565	43	39
4150 fuel wood	0	---	---	0	---
4161 wood chips	309	---	280	29	---
4170 wood in the rough	338	---	285	13	39
4189 lumber	1	0	---	1	---
4190 forest products nec	0	0	---	---	---
Subtotal pulp and waste paper	21	---	1	10	9
4225 pulp & waste paper	21	---	1	10	9
Subtotal soil, sand, gravel, rock and stone	25	---	---	25	---
4331 sand & gravel	25	---	---	25	---
Subtotal iron ore and scrap	0	---	---	0	---
4420 iron & steel scrap	0	---	---	0	---

PORT ANGELES HARBOR, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal marine shells	0	0	---	---	---
4515 marine shells	0	0	---	---	---
Subtotal non-ferrous ores and scrap	44	44	---	---	---
4650 aluminum ore	44	44	---	---	---
Total primary manufactured goods	3	0	0	2	---
Subtotal paper products	2	0	---	2	---
5110 newsprint	1	---	---	1	---
5120 paper & paperboard	1	---	---	1	---
5190 paper products nec	0	0	---	0	---
Subtotal lime, cement and glass	0	0	---	0	---
5290 misc. mineral prod.	0	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	---	---
5480 fab. metal products	0	0	0	---	---
Subtotal primary wood products	0	0	---	0	---
5540 primary wood prod.	0	0	---	0	---
Total food and farm products	10	2	7	1	---
Subtotal fish	8	1	7	1	---
6134 fish (not shellfish)	8	1	7	1	---
Subtotal vegetable products	0	0	---	---	---
6654 vegetables & prod.	0	0	---	---	---
Subtotal other agricultural products	2	1	0	1	---
6839 animals & prod. nec	0	0	---	---	---
6857 fruit & nuts nec	0	0	---	---	---
6858 fruit juices	1	1	---	---	---
6871 coffee	0	0	---	---	---
6885 alcoholic beverages	0	---	---	0	---
6889 food products nec	0	0	0	---	---
6899 farm products nec	1	---	---	1	---
Total all manufactured equipment, machinery and products	5	2	3	0	---
7110 machinery (not elec)	0	0	0	0	---
7120 electrical machinery	0	0	---	0	---
7210 vehicles & parts	0	0	---	0	---
7220 aircraft & parts	0	0	---	---	---
7230 ships & boats	0	---	---	0	---
7400 manufac. wood prod.	4	0	3	0	---
7500 textile products	0	0	0	---	---
7600 rubber & plastic pr.	0	0	---	---	---
7900 manufac. prod. nec	1	1	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	Intraport
Total, all commodities	1,898	286	167	580	485	380
Total petroleum and petroleum products	929	111	23	381	44	369
Subtotal crude petroleum	77	77	---	---	---	---
2100 crude petroleum	77	77	---	---	---	---
Subtotal petroleum products	852	34	23	381	44	369
2330 distillate fuel oil	30	3	---	27	---	---
2340 residual fuel oil	821	31	23	353	44	369
2350 lube oil & greases	1	---	---	1	---	0
Total chemicals and related products	21	---	---	21	---	---
Subtotal other chemicals and related products	21	---	---	21	---	---
3274 sodium hydroxide	14	---	---	14	---	---
3275 inorg. elem., oxides, & halogen salts	7	---	---	7	---	---
Total crude materials, inedible except fuels	928	175	143	178	426	7
Subtotal forest products, wood and chips	831	175	143	177	329	7
4161 wood chips	200	167	---	26	---	7
4170 wood in the rough	631	8	143	151	329	---
Subtotal pulp and waste paper	97	---	---	0	96	---
4225 pulp & waste paper	97	---	---	0	96	---
Total primary manufactured goods	18	---	1	0	14	4
Subtotal paper products	18	---	---	0	14	4
5110 newsprint	18	---	---	0	14	4
5190 paper products nec	0	---	---	---	0	---
Subtotal lime, cement and glass	1	---	1	---	---	---
5290 misc. mineral prod.	1	---	1	---	---	---
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	1	---	---	---	1	---
7900 manufac. prod. nec	1	---	---	---	1	---

PORT TOWNSEND HARBOR, WA

Section Included: Point Wilson on the north to Irondale on the south. Controlling Depth: Channel from deep water to boat basin, 10.7 feet; outer portion of entrance channel in boat basin, 12.9 feet; inner portion of entrance channel in boat basin, 12.2 feet. Project Depth: 10 and 12 feet mlw in the inner and outer sections of the mooring basin, respectively.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	513	1990	427	1993	201	1996	464
1988	464	1991	546	1994	402		
1989	536	1992	325	1995	362		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Exports	Imports	Total	Coastwise	Internal		Intraport
						Receipts	Receipts	
Total, all commodities	464	3	8	453	20	331	99	3
Total petroleum and petroleum products	47	---	---	47	20	20	7	---
Subtotal petroleum products	47	---	---	47	20	20	7	---
2330 distillate fuel oil	3	---	---	3	---	3	---	---
2340 residual fuel oil	42	---	---	42	20	16	7	---
2350 lube oil & greases	1	---	---	1	---	1	---	---
Total crude materials, inedible except fuels	407	3	0	404	---	309	93	3
Subtotal forest products, wood and chips	380	---	0	380	---	308	69	3
4150 fuel wood	9	---	0	9	---	9	---	---
4161 wood chips	260	---	---	260	---	257	1	3
4170 wood in the rough	111	---	---	111	---	42	68	---
Subtotal pulp and waste paper	28	3	---	24	---	1	23	---
4225 pulp & waste paper	28	3	---	24	---	1	23	---
Total primary manufactured goods	9	---	8	1	---	1	---	---
Subtotal paper products	9	---	8	1	---	1	---	---
5110 newsprint	1	---	---	1	---	1	---	---
5120 paper & paperboard	8	---	8	---	---	---	---	---
5190 paper products nec	0	---	---	0	---	0	---	---
Total food and farm products	1	---	---	1	---	1	---	---
Subtotal fish	1	---	---	1	---	1	---	---
6134 fish (not shellfish)	0	---	---	0	---	0	---	---
6136 shellfish	1	---	---	1	---	1	---	---

HAMMERSLEY INLET, WA

Section Included: Inlet connecting Puget Sound with Shelton Harbor, a distance of about 7 miles. Controlling Depth: 8.8 feet. Project Depth: 13 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	415	1990	325	1993	384	1996	1,037
1988	531	1991	343	1994	500		
1989	420	1992	312	1995	872		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise	Internal		
			Shipments	Inbound Upbound	Outbound Downbnd
Total, all commodities	1,037	4	330	699	4
Total petroleum and petroleum products	4	4	---	0	---
Subtotal petroleum products	4	4	---	0	---
2211 gasoline	4	4	---	---	---
2340 residual fuel oil	0	---	---	0	---
Total crude materials, inedible except fuels	1,032	---	330	699	4
Subtotal forest products, wood and chips	1,032	---	330	699	4
4161 wood chips	168	---	---	168	---
4170 wood in the rough	865	---	330	531	4
Total food and farm products	1	---	1	---	---
Subtotal fish	1	---	1	---	---
6134 fish (not shellfish)	0	---	0	---	---
6136 shellfish	0	---	0	---	---

HAMMERSLEY INLET, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Domestic			
		Coastwise Shipments	Internal		
			Inbound Upbound	Outbound Downbnd	Intra Upbound
Ton-miles (x1000)	10,339	40	3,302	6,993	4

Tons All Traffic (x1000) 1,037
Ton-miles All Traffic (x1000) 10,339

OLYMPIA HARBOR, WA

Section Included: That portion of Budd Inlet south and west of Priest Point and generally within the city limits of Olympia. Controlling Depth: 29.4 feet in outer channel, 29.4 feet in entrance channel and 27.7 feet in turning basin. Project Depth: 30 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	911	1990	1,265	1993	924	1996	1,893
1988	1,676	1991	945	1994	1,514		
1989	1,196	1992	714	1995	2,166		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian	Domestic				
		Exports	Exports	Total	Coastwise Receipts	Internal		
						Receipts	Shipments	Intraport
Total, all commodities	1,893	146	15	1,732	44	491	405	793
Total petroleum and petroleum products	4	---	---	4	---	4	---	---
Subtotal petroleum products	4	---	---	4	---	4	---	---
2340 residual fuel oil	4	---	---	4	---	4	---	---
Total crude materials, inedible except fuels	1,889	146	15	1,728	44	486	405	793
Subtotal forest products, wood and chips	1,874	146	---	1,728	44	486	405	793
4161 wood chips	163	---	---	163	---	---	163	---
4170 wood in the rough	1,711	146	---	1,565	44	486	242	793
Subtotal soil, sand, gravel, rock and stone	15	---	15	---	---	---	---	---
4331 sand & gravel	15	---	15	---	---	---	---	---
Total food and farm products	0	---	---	0	---	0	---	---
Subtotal fish	0	---	---	0	---	0	---	---
6134 fish (not shellfish)	0	---	---	0	---	0	---	---
6136 shellfish	0	---	---	0	---	0	---	---

TACOMA HARBOR, WA

Section Included: All of Commencement Bay and tributary waterways east of a line extending from Brown Point to and including the wharves of the Tacoma Smelter. Controlling Depth: City Waterway, 28.9 to 16.2 feet; Hylebos Waterway, 23.4 feet; least depth in turning basin 27.1 feet; Blair (Port Industrial Waterway), 32.8 feet. Project Depth: City Waterway, 29 to 19 feet; Hylebos Waterway, 30 feet; Blair (Port Industrial Waterway), 30 to 35 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	17,130	1990	21,433	1993	18,652	1996	21,491
1988	20,668	1991	19,544	1994	17,616		
1989	22,451	1992	20,116	1995	20,879		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	14,236	3,478	9,664	609	485
Total coal	27	---	8	20	---
1100 coal lignite	27	---	8	20	---
Total petroleum and petroleum products	657	113	49	194	302
Subtotal crude petroleum	169	22	---	147	---
2100 crude petroleum	169	22	---	147	---
Subtotal petroleum products	489	90	49	47	302
2211 gasoline	70	0	---	24	47
2221 kerosene	0	---	0	---	0

TACOMA HARBOR, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
2330 distillate fuel oil	171	---	43	11	117
2340 residual fuel oil	208	56	1	13	138
2350 lube oil & greases	4	1	3	---	---
2410 petro. jelly & waxes	0	0	0	---	---
2429 naphtha & solvents	34	33	0	---	---
2430 asphalt, tar & pitch	0	0	0	---	---
2540 petroleum coke	0	0	0	---	---
2640 liquid natural gas	1	0	0	---	---
Total chemicals and related products	380	141	185	3	51
Subtotal fertilizers	9	0	8	---	---
3110 nitrogenous fert.	2	0	2	---	---
3120 phosphatic fert.	0	---	0	---	---
3130 potassic fert.	0	---	0	---	---
3190 fert. & mixes nec	7	0	7	---	---
Subtotal other chemicals and related products	371	141	177	3	51
3211 acyclic hydrocarbons	0	0	0	---	---
3212 benzene & toluene	0	0	---	---	---
3219 other hydrocarbons	2	1	1	---	---
3220 alcohols	34	32	1	1	---
3230 carboxylic acids	9	7	2	---	---
3240 nitrogen func. comp.	16	8	8	---	---
3250 organo-inorganic comp.	5	4	1	---	---
3260 organic comp. nec	3	1	1	---	---
3271 sulphur (liquid)	1	---	1	---	---
3272 sulphuric acid	0	0	---	---	---
3274 sodium hydroxide	63	0	42	---	21
3275 inorg. elem. oxides, & halogen salts	10	5	4	0	---
3276 metallic salts	41	5	5	---	30
3279 inorganic chem. nec	2	1	1	---	0
3281 radioactive material	0	0	---	---	---
3282 pigments & paints	6	3	2	0	---
3283 coloring mat. nec	4	3	0	---	---
3284 medicines	4	2	2	---	---
3285 perfumes & cleansers	12	1	11	---	---
3286 plastics	105	45	58	2	0
3291 pesticides	1	0	0	---	---
3292 starches, gluten, glue	14	10	4	---	---
3293 explosives	4	4	---	---	---
3297 chemical additives	2	0	2	0	---
3298 wood & resin chem.	21	0	21	---	---
3299 chem. products nec	13	5	8	---	0
Total crude materials, inedible except fuels	5,126	1,388	3,231	377	129
Subtotal forest products, wood and chips	2,653	60	2,541	24	28
4110 rubber & gums	54	53	1	---	---
4150 fuel wood	5	0	2	---	---
4161 wood chips	618	---	595	12	12
4170 wood in the rough	1,648	0	1,624	7	17
4189 lumber	328	6	319	3	---
4190 forest products nec	1	1	0	0	---
Subtotal pulp and waste paper	228	0	227	2	---
4225 pulp & waste paper	228	0	227	2	---
Subtotal soil, sand, gravel, rock and stone	649	362	1	194	92
4310 building stone	5	0	1	4	0
4322 limestone	184	---	---	184	---
4323 gypsum	453	361	0	---	92
4331 sand & gravel	7	1	0	6	---
Subtotal iron ore and scrap	522	0	404	119	---
4420 iron & steel scrap	522	0	404	119	---
Subtotal marine shells	0	0	0	---	---
4515 marine shells	0	0	0	---	---
Subtotal non-ferrous ores and scrap	673	620	16	38	0
4630 copper ore	0	---	0	0	---
4650 aluminum ore	653	616	0	36	---
4680 non-ferrous scrap	16	1	15	---	0
4690 non-ferrous ores nec	5	3	0	1	---
Subtotal sulphur, clay and salt	34	1	33	---	---
4741 sulphur, (dry)	2	0	2	---	---
4782 clay & refrac. mat.	32	1	31	---	---
Subtotal slag	0	---	0	---	---
4860 slag	0	---	0	---	---
Subtotal other non-metal. min.	365	345	10	2	9
4900 non-metal. min. nec	365	345	10	2	9
Total primary manufactured goods	792	314	472	6	1
Subtotal paper products	329	8	316	4	---
5110 newsprint	58	0	58	0	---
5120 paper & paperboard	245	4	237	4	---
5190 paper products nec	26	4	21	0	---
Subtotal lime, cement and glass	88	73	14	1	0
5210 lime	0	---	0	---	---
5220 cement & concrete	0	0	---	---	---
5240 glass & glass prod.	23	20	4	---	0
5290 misc. mineral prod.	64	53	10	1	0
Subtotal primary iron and steel products	83	49	34	0	0
5312 pig iron	1	0	1	0	---
5315 ferro alloys	1	0	0	0	---
5320 i&s primary forms	28	0	28	---	---
5330 i&s plates & sheets	13	11	2	---	0
5360 i&s bars & shapes	12	11	1	---	---
5370 i&s pipe & tube	12	10	2	---	0
5390 primary i&s nec	17	16	0	---	0

TACOMA HARBOR, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal primary non-ferrous metal products	260	180	79	0	0
5421 copper	28	4	25	0	---
5422 aluminum	35	2	33	---	---
5429 smelted prod. nec	14	1	13	---	---
5480 fab. metal products	183	174	8	0	0
Subtotal primary wood products	32	4	28	0	---
5540 primary wood prod.	32	4	28	0	---
Total food and farm products	5,663	112	5,546	5	0
Subtotal fish	54	26	27	1	---
6134 fish (not shellfish)	48	24	24	1	---
6136 shellfish	6	3	4	---	---
Subtotal grain	3,414	3	3,411	---	---
6241 wheat	1	---	1	---	---
6344 corn	3,346	0	3,346	---	---
6442 rice	3	3	0	---	---
6443 barley & rye	2	---	2	---	---
6445 oats	0	---	0	---	---
6447 sorghum grains	62	---	62	---	---
Subtotal oilseeds	1,060	0	1,059	0	---
6521 peanuts	1	---	1	---	---
6522 soybeans	1,057	0	1,057	---	---
6590 oilseeds nec	2	0	1	0	---
Subtotal vegetable products	163	18	145	0	---
6653 vegetable oils	6	0	5	0	---
6654 vegetables & prod.	158	18	140	0	---
Subtotal processed grain and animal feed	393	5	386	2	0
6746 wheat flour	3	0	3	0	---
6747 grain mill products	15	1	14	0	0
6781 hay & fodder	294	---	293	1	---
6782 animal feed, prep.	81	4	76	0	---
Subtotal other agricultural products	579	59	518	2	0
6811 meat, fresh, frozen	144	0	144	1	---
6817 meat, prepared	11	0	11	---	---
6822 dairy products	19	---	19	0	---
6835 fish, prepared	5	3	2	---	---
6838 tallow, animal oils	76	1	76	---	---
6839 animals & prod. nec	58	2	56	0	---
6856 bananas & plantains	0	0	0	---	---
6857 fruit & nuts nec	95	5	90	0	0
6858 fruit juices	52	29	23	---	---
6861 sugar	0	0	0	---	---
6871 coffee	4	4	0	---	---
6872 cocoa beans	3	3	---	---	---
6885 alcoholic beverages	38	3	34	0	---
6888 water & ice	1	---	1	---	---
6889 food products nec	50	7	42	0	0
6891 tobacco & products	6	1	5	0	---
6893 cotton	11	0	11	---	---
6894 natural fibers nec	1	1	0	---	---
6899 farm products nec	3	0	3	0	---
Total all manufactured equipment, machinery and products	1,559	1,385	170	4	1
7110 machinery (not elec)	309	257	50	1	1
7120 electrical machinery	223	212	11	0	0
7210 vehicles & parts	300	283	17	0	0
7220 aircraft & parts	9	9	0	0	---
7230 ships & boats	2	1	1	0	0
7300 ordnance & access.	0	0	0	---	---
7400 manufac. wood prod.	31	15	15	1	---
7500 textile products	142	133	9	0	0
7600 rubber & plastic pr.	127	101	26	0	---
7900 manufac. prod. nec	417	375	41	1	0
Total unknown or not elsewhere classified	31	26	3	1	0
9900 unknown or nec	31	26	3	1	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	7,255	1,879	2,040	2,321	542	473
Total coal	0	---	0	---	---	---
1200 coal coke	0	---	0	---	---	---
Total petroleum and petroleum products	3,538	1,566	352	873	325	421
Subtotal crude petroleum	1,524	1,513	---	10	---	---
2100 crude petroleum	1,524	1,513	---	10	---	---
Subtotal petroleum products	2,014	53	352	863	325	421
2211 gasoline	123	9	13	67	19	15
2330 distillate fuel oil	469	4	280	80	103	3
2340 residual fuel oil	1,394	40	46	707	196	404
2350 lube oil & greases	15	---	13	1	1	0
2540 petroleum coke	9	---	0	4	5	---
2640 liquid natural gas	4	---	---	4	---	---

TACOMA HARBOR, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total chemicals and related products	247	43	155	0	48	1
Subtotal fertilizers	1	---	1	---	---	---
3110 nitrogenous fert.	0	---	0	---	---	---
3130 potassic fert.	0	---	0	---	---	---
3190 fert. & mixes nec	1	---	1	---	---	---
Subtotal other chemicals and related products	246	43	154	0	48	1
3220 alcohols	0	---	0	---	---	---
3230 carboxylic acids	0	---	0	---	---	---
3274 sodium hydroxide	205	33	139	---	32	1
3275 inorg. elem., oxides, & halogen salts	15	---	---	---	15	---
3282 pigments & paints	0	---	0	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---
3286 plastics	0	---	0	---	---	---
3293 explosives	0	---	---	0	0	---
3298 wood & resin chem.	0	---	0	---	---	---
3299 chem. products nec	25	10	15	---	---	---
Total crude materials, inedible except fuels	1,735	58	20	1,444	162	51
Subtotal forest products, wood and chips	1,333	40	15	1,065	162	51
4150 fuel wood	0	---	0	---	---	---
4161 wood chips	186	28	---	153	2	2
4170 wood in the rough	1,128	12	0	912	156	49
4189 lumber	19	---	15	---	4	---
4190 forest products nec	0	---	0	---	---	---
Subtotal pulp and waste paper	5	---	4	1	---	---
4225 pulp & waste paper	5	---	4	1	---	---
Subtotal soil, sand, gravel, rock and stone	372	---	0	371	0	---
4323 gypsum	0	---	0	---	---	---
4331 sand & gravel	372	---	---	371	0	---
Subtotal iron ore and scrap	25	18	---	6	---	1
4420 iron & steel scrap	25	18	---	6	---	1
Subtotal non-ferrous ores and scrap	0	0	---	---	---	---
4680 non-ferrous scrap	0	0	---	---	---	---
Total primary manufactured goods	95	3	83	2	6	0
Subtotal paper products	23	---	23	---	---	---
5120 paper & paperboard	1	---	1	---	---	---
5190 paper products nec	22	---	22	---	---	---
Subtotal lime, cement and glass	18	---	12	---	5	---
5220 cement & concrete	0	---	0	---	---	---
5240 glass & glass prod.	0	---	0	---	---	---
5290 misc. mineral prod.	18	---	12	---	5	---
Subtotal primary iron and steel products	6	0	6	---	---	---
5320 i&s primary forms	0	---	0	---	---	---
5330 i&s plates & sheets	0	---	0	---	---	---
5360 i&s bars & shapes	5	---	5	---	---	---
5370 i&s pipe & tube	0	---	0	---	---	---
5390 primary i&s nec	0	0	---	---	---	---
Subtotal primary non-ferrous metal products	48	3	42	2	1	0
5422 aluminum	0	---	0	---	---	---
5429 smelted prod. nec	0	---	0	---	---	---
5480 fab. metal products	48	3	42	2	1	0
Subtotal primary wood products	0	---	0	---	---	---
5540 primary wood prod.	0	---	0	---	---	---
Total food and farm products	1,071	33	1,037	1	---	---
Subtotal fish	32	31	0	1	---	---
6134 fish (not shellfish)	31	31	0	1	---	---
6136 shellfish	0	---	---	0	---	---
Subtotal grain	0	---	0	---	---	---
6447 sorghum grains	0	---	0	---	---	---
Subtotal oilseeds	0	---	0	---	---	---
6522 soybeans	0	---	0	---	---	---
Subtotal vegetable products	2	---	2	---	---	---
6654 vegetables & prod.	2	---	2	---	---	---
Subtotal processed grain and animal feed	34	---	34	---	---	---
6746 wheat flour	12	---	12	---	---	---
6747 grain mill products	0	---	0	---	---	---
6781 hay & fodder	9	---	9	---	---	---
6782 animal feed, prep.	13	---	13	---	---	---
Subtotal other agricultural products	1,003	3	1,000	---	---	---
6811 meat, fresh, frozen	1	---	1	---	---	---
6817 meat, prepared	1	---	1	---	---	---
6822 dairy products	0	---	0	---	---	---
6835 fish, prepared	2	2	---	---	---	---
6838 tallow, animal oils	0	---	0	---	---	---
6839 animals & prod. nec	633	1	632	---	---	---
6857 fruit & nuts nec	12	---	12	---	---	---
6858 fruit juices	0	---	0	---	---	---
6861 sugar	0	---	0	---	---	---
6885 alcoholic beverages	2	---	2	---	---	---
6887 groceries	345	---	345	---	---	---
6889 food products nec	3	---	3	---	---	---
6891 tobacco & products	0	---	0	---	---	---
6899 farm products nec	3	---	3	---	---	---
Total all manufactured equipment, machinery and products	547	170	376	0	1	0
7110 machinery (not elec)	1	0	1	0	0	0
7120 electrical machinery	0	---	0	---	---	---
7210 vehicles & parts	50	14	36	0	0	---
7220 aircraft & parts	0	---	0	---	---	---
7230 ships & boats	0	0	0	---	0	0

TACOMA HARBOR, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
7300 ordnance & access.	0	0	0	---	---	---
7400 manufac. wood prod.	13	---	13	---	0	---
7500 textile products	0	---	0	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---
7900 manufac. prod. nec	482	156	325	0	0	---
Total unknown or not elsewhere classified	22	5	17	---	---	---
9900 unknown or nec	22	5	17	---	---	---

SEATTLE HARBOR, WA

Section Included: From Union Oil dock near Edmonds on the North to Fauntleroy Ferry Slip on the south, including Elliott Bay, East, West, and Duwamish Waterway, Lake Washington Ship Canal, Salmon Bay, Lake Union, Lake Washington, and Kenmore Navigation Channel. Controlling Depth: Elliott Bay, unlimited; West Waterway, 28.0 feet; East Waterway, 31.2 feet; Duwamish Waterway, 18.2 feet from head of West Waterway to 1st Avenue So., 11.0 feet from 1st Avenue So. 14th Avenue So. 8.5 feet from 14th Avenue So. to head of waterway; Lake Washington Ship Canal, 29.2 feet below locks; above the locks 26.1 feet, Kenmore Navigation Channel; 13.6 feet. Project Depth: Elliot Bay, unlimited; East and West Waterways, 34 feet; Duwamish Waterway, 30 feet to First Avenue South; 20 feet to 8th Avenue South; and 15 feet from 8th Avenue South to head of waterway; Lake Washington Ship Canal, 34 feet below locks; 30 feet at lower pool level, Kenmore Navigation Channel; 15 feet. All depths refer to mlw except inside Lake Washington Ship Canal which reflects low lake level.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	18,553	1990	21,570	1993	21,693	1996	23,547
1988	18,646	1991	20,897	1994	22,336		
1989	21,763	1992	21,883	1995	26,180		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	17,017	3,508	9,961	3,368	180
Total coal	6	0	4	2	---
1100 coal lignite	6	0	4	2	---
1200 coal coke	0	---	0	0	---
Total petroleum and petroleum products	98	8	22	1	66
Subtotal crude petroleum	1	1	---	0	---
2100 crude petroleum	1	1	---	0	---
Subtotal petroleum products	97	8	22	1	66
2211 gasoline	13	---	0	---	13
2221 kerosene	21	---	0	---	21
2330 distillate fuel oil	11	---	3	0	8
2340 residual fuel oil	28	---	4	0	24
2350 lube oil & greases	10	1	9	0	0
2410 petro. jelly & waxes	2	0	2	---	---
2429 naphtha & solvents	2	---	2	---	---
2430 asphalt, tar & pitch	7	7	0	---	---
2540 petroleum coke	2	---	2	---	---
2640 liquid natural gas	1	0	1	---	---
Total chemicals and related products	696	186	505	3	2
Subtotal fertilizers	14	1	12	1	---
3110 nitrogenous fert.	3	0	2	1	---
3120 phosphatic fert.	0	---	0	---	---
3130 potassic fert.	0	---	0	---	---
3190 fert. & mixes nec	11	0	10	---	---
Subtotal other chemicals and related products	682	185	493	2	2
3211 acyclic hydrocarbons	1	0	1	---	---
3212 benzene & toluene	0	---	0	---	---
3219 other hydrocarbons	3	1	2	---	---
3220 alcohols	62	52	10	0	---
3230 carboxylic acids	29	10	18	0	---
3240 nitrogen func. comp.	27	10	17	0	---
3250 organo-inorganic comp.	9	5	4	---	---
3260 organic comp. nec	9	2	7	0	---
3272 sulphuric acid	1	---	1	---	---
3273 ammonia	2	0	2	---	---
3274 sodium hydroxide	2	0	1	---	1
3275 inorg. elem. oxides, & halogen salts	24	6	18	---	---
3276 metallic salts	23	9	14	---	0
3279 inorganic chem. nec	3	1	2	---	---
3281 radioactive material	2	2	1	---	---
3282 pigments & paints	14	4	10	---	---
3283 coloring mat. nec	6	5	1	---	---
3284 medicines	10	2	8	---	---
3285 perfumes & cleansers	33	3	30	0	0
3286 plastics	264	58	207	0	0
3291 pesticides	2	1	2	0	---
3292 starches, gluten, glue	40	8	32	---	---
3293 explosives	1	1	0	---	---
3297 chemical additives	10	0	10	---	---
3298 wood & resin chem.	69	0	68	1	---
3299 chem. products nec	35	7	28	0	0

SEATTLE HARBOR, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total crude materials, inedible except fuels	4,218	247	1,154	2,715	101
Subtotal forest products, wood and chips	826	66	509	245	6
4110 rubber & gums	23	23	0	---	---
4150 fuel wood	3	0	3	0	---
4161 wood chips	33	---	0	27	6
4170 wood in the rough	98	1	95	3	---
4189 lumber	661	38	409	214	---
4190 forest products nec	7	5	3	---	---
Subtotal pulp and waste paper	482	0	466	17	---
4225 pulp & waste paper	482	0	466	17	---
Subtotal soil, sand, gravel, rock and stone	2,608	171	25	2,316	96
4310 building stone	3	0	1	2	---
4322 limestone	1,751	---	0	1,751	---
4323 gypsum	324	170	3	104	45
4327 phosphate rock	1	0	1	---	---
4331 sand & gravel	529	0	19	459	50
Subtotal iron ore and scrap	162	0	24	138	---
4420 iron & steel scrap	162	0	24	138	---
Subtotal marine shells	1	0	0	0	---
4515 marine shells	1	0	0	0	---
Subtotal non-ferrous ores and scrap	39	6	33	0	---
4630 copper ore	0	0	0	---	---
4650 aluminum ore	3	2	1	---	---
4670 manganese ore	2	---	2	---	---
4680 non-ferrous scrap	29	1	28	---	---
4690 non-ferrous ores nec	5	2	3	0	---
Subtotal sulphur, clay and salt	66	1	65	---	---
4741 sulphur, (dry)	1	---	1	---	---
4782 clay & refrac. mat.	65	1	65	---	---
Subtotal slag	0	---	0	---	---
4860 slag	0	---	0	---	---
Subtotal other non-metal. min.	34	3	31	0	0
4900 non-metal. min. nec	34	3	31	0	0
Total primary manufactured goods	2,508	784	1,082	636	5
Subtotal paper products	922	31	624	267	0
5110 newsprint	297	1	119	177	---
5120 paper & paperboard	574	16	468	89	0
5190 paper products nec	51	14	37	0	---
Subtotal lime, cement and glass	823	348	151	320	4
5220 cement & concrete	560	229	8	319	4
5240 glass & glass prod.	55	20	35	0	0
5290 misc. mineral prod.	207	99	108	0	0
Subtotal primary iron and steel products	168	101	65	1	0
5312 pig iron	1	0	1	---	---
5315 ferro alloys	8	6	2	---	---
5320 i&s primary forms	31	0	30	---	---
5330 i&s plates & sheets	52	27	23	1	0
5360 i&s bars & shapes	17	13	4	---	---
5370 i&s pipe & tube	38	36	2	0	0
5390 primary i&s nec	21	19	2	0	0
Subtotal primary non-ferrous metal products	441	287	153	0	0
5421 copper	28	5	23	0	---
5422 aluminum	85	9	77	0	0
5429 smelted prod. nec	17	3	14	---	---
5480 fab. metal products	311	271	40	0	0
Subtotal primary wood products	154	17	89	48	---
5540 primary wood prod.	154	17	89	48	---
Total food and farm products	6,947	243	6,696	6	2
Subtotal fish	107	26	78	2	1
6134 fish (not shellfish)	94	17	73	2	1
6136 shellfish	14	9	5	0	---
Subtotal grain	3,090	9	3,081	---	---
6241 wheat	82	0	82	---	---
6344 corn	2,949	0	2,948	---	---
6442 rice	10	9	1	---	---
6443 barley & rye	2	---	2	---	---
6445 oats	2	---	2	---	---
6447 sorghum grains	46	---	46	---	---
Subtotal oilseeds	717	2	714	0	0
6522 soybeans	685	0	685	---	---
6534 flaxseed	0	---	0	---	---
6590 oilseeds nec	32	2	29	0	0
Subtotal vegetable products	477	16	460	0	1
6653 vegetable oils	6	1	5	---	0
6654 vegetables & prod.	471	16	454	0	1
Subtotal processed grain and animal feed	945	5	938	2	0
6746 wheat flour	6	0	6	---	---
6747 grain mill products	41	2	38	2	0
6781 hay & fodder	538	0	538	---	---
6782 animal feed, prep.	359	3	356	0	0
Subtotal other agricultural products	1,611	184	1,425	1	0
6811 meat, fresh, frozen	444	31	413	---	0
6817 meat, prepared	23	1	23	---	0
6822 dairy products	35	1	34	---	---
6835 fish, prepared	24	5	20	0	---
6838 tallow, animal oils	3	0	3	---	---
6839 animals & prod. nec	294	10	285	0	---
6856 bananas & plantains	0	0	0	---	---
6857 fruit & nuts nec	336	27	309	---	0
6858 fruit juices	117	53	63	1	0
6861 sugar	1	0	0	---	---

SEATTLE HARBOR, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
6865 molasses	13	12	0	---	---
6871 coffee	13	13	1	0	---
6872 cocoa beans	1	1	0	---	---
6885 alcoholic beverages	67	13	54	0	---
6888 water & ice	3	0	3	0	---
6889 food products nec	103	13	90	0	0
6891 tobacco & products	37	1	35	---	---
6893 cotton	55	0	55	---	---
6894 natural fibers nec	0	0	0	---	---
6899 farm products nec	39	3	36	0	0
Total all manufactured equipment, machinery and products	2,498	2,010	481	5	3
7110 machinery (not elec)	464	338	123	0	3
7120 electrical machinery	405	327	78	0	0
7210 vehicles & parts	346	298	48	0	0
7220 aircraft & parts	7	6	0	---	---
7230 ships & boats	5	1	4	0	---
7300 ordnance & access.	2	1	2	---	---
7400 manufac. wood prod.	61	21	38	2	---
7500 textile products	265	224	40	0	---
7600 rubber & plastic pr.	182	153	28	0	0
7900 manufac. prod. nec	762	640	120	2	0
Total unknown or not elsewhere classified	47	30	16	1	0
9900 unknown or nec	47	30	16	1	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	6,530	532	1,306	3,244	828	621
Total coal	0	---	0	0	0	---
1100 coal lignite	0	---	0	0	0	---
Total petroleum and petroleum products	2,569	145	76	1,296	473	579
Subtotal crude petroleum	19	---	19	---	---	---
2100 crude petroleum	19	---	19	---	---	---
Subtotal petroleum products	2,550	145	57	1,296	473	579
2211 gasoline	195	27	46	111	11	0
2221 kerosene	0	---	0	---	---	---
2330 distillate fuel oil	309	2	3	152	52	100
2340 residual fuel oil	1,870	45	2	966	383	474
2350 lube oil & greases	30	---	3	4	22	1
2429 naphtha & solvents	3	---	0	---	3	---
2430 asphalt, tar & pitch	93	71	0	22	0	---
2540 petroleum coke	42	---	1	38	0	4
2640 liquid natural gas	4	0	2	0	2	---
2990 petro. products nec	5	0	1	4	1	---
Total chemicals and related products	73	3	57	1	12	0
Subtotal fertilizers	42	---	40	---	1	0
3110 nitrogenous fert.	15	---	14	---	1	---
3190 fert. & mixes nec	27	---	26	---	0	0
Subtotal other chemicals and related products	31	3	16	1	11	---
3211 acyclic hydrocarbons	0	---	0	---	---	---
3219 other hydrocarbons	0	---	0	---	---	---
3220 alcohols	8	3	5	---	0	---
3272 sulphuric acid	0	---	0	---	---	---
3273 ammonia	0	---	0	---	---	---
3274 sodium hydroxide	3	---	0	---	3	---
3275 inorg. elem., oxides, & halogen salts	1	---	1	---	0	---
3276 metallic salts	0	---	0	---	---	---
3279 inorganic chem. nec	0	---	0	---	---	---
3281 radioactive material	0	0	---	---	---	---
3282 pigments & paints	4	0	3	---	1	---
3283 coloring mat. nec	0	---	0	---	---	---
3284 medicines	0	---	0	---	---	---
3285 perfumes & cleansers	1	---	1	---	---	---
3286 plastics	4	---	4	---	0	---
3291 pesticides	0	---	0	---	---	---
3293 explosives	0	---	0	---	---	---
3299 chem. products nec	9	0	2	1	6	---
Total crude materials, inedible except fuels	2,146	5	145	1,844	149	2
Subtotal forest products, wood and chips	193	1	111	28	52	1
4110 rubber & gums	0	---	---	0	0	---
4150 fuel wood	0	0	0	0	0	---
4161 wood chips	1	---	0	---	1	---
4170 wood in the rough	62	0	1	22	38	1
4189 lumber	125	1	106	6	12	0
4190 forest products nec	5	---	4	0	1	---
Subtotal pulp and waste paper	107	0	0	104	2	---
4225 pulp & waste paper	107	0	0	104	2	---
Subtotal soil, sand, gravel, rock and stone	1,763	---	18	1,651	94	1
4310 building stone	0	---	0	---	---	---
4323 gypsum	0	---	0	---	---	---
4331 sand & gravel	1,753	---	13	1,645	94	1
4335 waterway improv. mat	4	---	---	4	---	---

SEATTLE HARBOR, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
4338 soil & fill dirt	6	---	4	2	0	---
Subtotal iron ore and scrap	6	4	---	1	0	---
4420 iron & steel scrap	6	4	---	1	0	0
Subtotal non-ferrous ores and scrap	0	0	---	0	---	---
4680 non-ferrous scrap	0	0	---	---	---	---
4690 non-ferrous ores nec	0	---	---	0	---	---
Subtotal sulphur, clay and salt	59	---	0	59	---	---
4782 clay & refrac. mat.	59	---	0	59	---	---
Subtotal other non-metal, min.	17	0	16	---	1	---
4900 non-metal, min. nec	17	0	16	---	1	---
Total primary manufactured goods	498	73	338	33	50	3
Subtotal paper products	66	0	48	14	5	---
5110 newsprint	16	---	3	13	0	---
5120 paper & paperboard	7	---	7	0	---	---
5190 paper products nec	44	0	38	1	5	---
Subtotal lime, cement and glass	142	0	106	15	18	2
5220 cement & concrete	61	---	41	12	5	2
5240 glass & glass prod.	6	0	4	0	3	---
5290 misc. mineral prod.	75	0	61	3	10	0
Subtotal primary iron and steel products	17	0	16	0	0	---
5330 i&s plates & sheets	12	---	12	---	---	---
5360 i&s bars & shapes	1	---	1	0	0	---
5370 i&s pipe & tube	3	0	2	---	0	---
5390 primary i&s nec	1	0	1	0	0	---
Subtotal primary non-ferrous metal products	214	72	111	4	26	1
5421 copper	0	---	0	---	---	---
5422 aluminum	0	---	0	0	---	---
5429 smelted prod. nec	0	---	0	---	---	---
5480 fab. metal products	214	72	110	4	26	1
Subtotal primary wood products	59	---	58	---	1	---
5540 primary wood prod.	59	---	58	---	1	---
Total food and farm products	408	104	180	45	45	35
Subtotal fish	52	28	2	20	2	---
6134 fish (not shellfish)	44	22	2	18	2	---
6136 shellfish	8	7	---	2	---	---
Subtotal vegetable products	34	1	33	---	0	---
6654 vegetables & prod.	34	1	33	---	0	---
Subtotal processed grain and animal feed	49	0	49	---	0	---
6746 wheat flour	2	---	2	---	---	---
6747 grain mill products	0	---	0	---	---	---
6781 hay & fodder	1	---	1	---	0	---
6782 animal feed, prep.	46	0	46	---	---	---
Subtotal other agricultural products	273	75	96	25	42	35
6811 meat, fresh, frozen	7	0	7	---	0	---
6822 dairy products	1	---	1	---	---	---
6835 fish, prepared	27	8	0	17	1	---
6839 animals & prod. nec	2	1	1	---	0	---
6857 fruit & nuts nec	5	0	5	---	---	---
6858 fruit juices	20	18	1	---	0	---
6861 sugar	0	---	0	---	---	---
6865 molasses	71	36	---	---	---	35
6871 coffee	0	0	0	---	---	---
6885 alcoholic beverages	13	0	9	1	1	---
6887 groceries	24	0	13	1	9	0
6888 water & ice	0	---	---	0	---	---
6889 food products nec	100	10	55	5	30	---
6891 tobacco & products	0	---	0	---	---	---
6894 natural fibers nec	0	---	0	---	---	---
6899 farm products nec	5	1	5	---	0	---
Total all manufactured equipment, machinery and products	833	201	510	22	99	1
7110 machinery (not elec)	57	4	40	4	9	0
7120 electrical machinery	11	0	4	0	7	---
7210 vehicles & parts	33	9	13	4	7	---
7220 aircraft & parts	0	0	0	0	0	---
7230 ships & boats	4	0	2	0	1	0
7300 ordnance & access.	0	0	---	---	0	---
7400 manufac. wood prod.	45	3	29	2	11	0
7500 textile products	5	---	2	0	3	---
7600 rubber & plastic pr.	2	0	1	0	1	---
7900 manufac. prod. nec	677	184	420	11	61	---
Total waste and scrap nec	3	0	---	2	---	1
8900 waste and scrap nec	3	0	---	2	---	1
Total unknown or not elsewhere classified	0	0	---	---	---	---
9900 unknown or nec	0	0	---	---	---	---

LAKE WASHINGTON SHIP CANAL, WA (INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WA)

Section Included: As described under Seattle Harbor, WA.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,620	1990	1,724	1993	1,919	1996	1,316
1988	1,740	1991	1,437	1994	1,365		
1989	1,566	1992	1,614	1995	1,555		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	315	35	16	249	15
Total petroleum and petroleum products	0	---	0	---	---
Subtotal petroleum products	0	---	0	---	---
2330 distillate fuel oil	0	---	0	---	---
2350 lube oil & greases	0	---	0	---	---
2430 asphalt, tar & pitch	0	---	0	---	---
Total chemicals and related products	22	22	1	---	---
Subtotal other chemicals and related products	22	22	1	---	---
3220 alcohols	21	21	0	---	---
3230 carboxylic acids	0	---	0	---	---
3240 nitrogen func. comp.	0	---	0	---	---
3250 organo-inorganic comp.	0	0	---	---	---
3260 organic comp. nec	0	0	---	---	---
3273 ammonia	0	---	0	---	---
3275 inorg. elem.oxides, & halogen salts	0	0	0	---	---
3281 radioactive material	0	0	---	---	---
3282 pigments & paints	0	0	0	---	---
3283 coloring mat. nec	0	0	---	---	---
3284 medicines	0	0	0	---	---
3285 perfumes & cleansers	0	0	---	---	---
3286 plastics	0	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	266	0	3	249	15
Subtotal forest products, wood and chips	2	0	2	---	---
4170 wood in the rough	0	---	0	---	---
4189 lumber	2	0	2	---	---
4190 forest products nec	0	0	---	---	---
Subtotal pulp and waste paper	0	---	0	---	---
4225 pulp & waste paper	0	---	0	---	---
Subtotal soil, sand, gravel, rock and stone	263	---	---	249	15
4331 sand & gravel	263	---	---	249	15
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	---	---
4690 non-ferrous ores nec	0	---	0	---	---
Subtotal sulphur, clay and salt	1	---	1	---	---
4782 clay & refrac. mat.	1	---	1	---	---
Subtotal other non-metal. min.	0	---	0	---	---
4900 non-metal. min. nec	0	---	0	---	---
Total primary manufactured goods	5	1	4	0	---
Subtotal paper products	2	0	1	---	---
5120 paper & paperboard	1	0	1	---	---
5190 paper products nec	0	0	0	---	---
Subtotal lime, cement and glass	1	0	0	0	---
5240 glass & glass prod.	0	0	0	---	---
5290 misc. mineral prod.	1	0	0	0	---
Subtotal primary iron and steel products	0	0	---	---	---
5330 i&s plates & sheets	0	0	---	---	---
5360 i&s bars & shapes	0	0	---	---	---
5370 i&s pipe & tube	0	0	---	---	---
Subtotal primary non-ferrous metal products	3	1	2	0	---
5421 copper	1	0	1	---	---
5422 aluminum	1	0	1	---	---
5480 fab. metal products	1	1	---	0	---
Subtotal primary wood products	0	---	0	---	---
5540 primary wood prod.	0	---	0	---	---
Total food and farm products	14	6	8	---	---
Subtotal fish	6	6	0	---	---
6134 fish (not shellfish)	6	5	0	---	---
6136 shellfish	0	0	---	---	---
Subtotal grain	0	0	0	---	---
6344 corn	0	---	0	---	---
6442 rice	0	0	---	---	---
Subtotal oilseeds	0	---	0	---	---
6590 oilseeds nec	0	---	0	---	---
Subtotal vegetable products	0	0	0	---	---
6654 vegetables & prod.	0	0	0	---	---
Subtotal processed grain and animal feed	2	0	2	---	---
6747 grain mill products	0	0	0	---	---
6781 hay & fodder	2	---	2	---	---
6782 animal feed, prep.	0	---	0	---	---

LAKE WASHINGTON SHIP CANAL, WA (INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WA)
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal other agricultural products	5	0	5	---	---
6811 meat, fresh, frozen	1	---	1	---	---
6817 meat, prepared	0	---	0	---	---
6822 dairy products	0	---	0	---	---
6835 fish, prepared	0	---	0	---	---
6839 animals & prod. nec	1	0	1	---	---
6857 fruit & nuts nec	1	---	1	---	---
6858 fruit juices	0	0	---	---	---
6871 coffee	0	0	---	---	---
6885 alcoholic beverages	1	0	0	---	---
6888 water & ice	0	---	0	---	---
6889 food products nec	1	0	1	---	---
6891 tobacco & products	0	---	0	---	---
6893 cotton	0	---	0	---	---
Total all manufactured equipment, machinery and products	7	6	1	0	---
7110 machinery (not elec)	2	1	0	---	---
7120 electrical machinery	1	1	0	---	---
7210 vehicles & parts	2	2	---	---	---
7400 manufac. wood prod.	0	0	0	---	---
7500 textile products	1	1	0	---	---
7600 rubber & plastic pr.	0	0	0	0	---
7900 manufac. prod. nec	1	1	0	---	---
Total unknown or not elsewhere classified	0	0	0	---	---
9900 unknown or nec	0	0	0	---	---

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total, all commodities	1,001	73	147	709	72
Total petroleum and petroleum products	115	0	2	111	2
Subtotal petroleum products	115	0	2	111	2
2211 gasoline	0	---	0	---	---
2221 kerosene	0	---	0	---	---
2330 distillate fuel oil	111	---	0	111	---
2350 lube oil & greases	1	---	1	0	0
2430 asphalt, tar & pitch	0	---	---	---	0
2540 petroleum coke	0	---	---	---	0
2640 liquid natural gas	2	---	0	0	1
2990 petro. products nec	0	0	0	---	0
Total chemicals and related products	4	3	1	0	0
Subtotal fertilizers	1	---	1	0	---
3110 nitrogenous fert.	1	---	1	---	---
3190 fert. & mixes nec	0	---	---	0	---
Subtotal other chemicals and related products	3	3	0	---	0
3211 acyclic hydrocarbons	0	---	0	---	---
3219 other hydrocarbons	0	---	0	---	---
3220 alcohols	3	3	0	---	0
3273 ammonia	0	---	0	---	---
3274 sodium hydroxide	0	---	0	---	---
3275 inorg. elem. oxides, & halogen salts	0	---	0	---	0
3282 pigments & paints	0	---	0	---	---
3284 medicines	0	---	0	---	---
3285 perfumes & cleansers	0	---	0	---	---
3286 plastics	0	---	0	---	---
3293 explosives	0	---	0	---	---
3299 chem. products nec	0	0	0	---	---
Total crude materials, inedible except fuels	620	0	17	568	34
Subtotal forest products, wood and chips	60	0	15	12	33
4150 fuel wood	0	0	0	0	0
4170 wood in the rough	40	0	---	12	28
4189 lumber	17	0	12	0	5
4190 forest products nec	3	---	3	---	1
Subtotal pulp and waste paper	0	0	---	0	---
4225 pulp & waste paper	0	0	---	0	---
Subtotal soil, sand, gravel, rock and stone	555	---	0	555	0
4310 building stone	0	---	0	---	---
4331 sand & gravel	555	---	---	555	---
4338 soil & fill dirt	0	---	0	---	0
Subtotal iron ore and scrap	1	0	---	1	---
4420 iron & steel scrap	1	0	---	1	---
Subtotal non-ferrous ores and scrap	0	---	---	0	---
4690 non-ferrous ores nec	0	---	---	0	---
Subtotal other non-metal. min.	3	0	2	---	1
4900 non-metal. min. nec	3	0	2	---	1
Total primary manufactured goods	64	9	47	1	8
Subtotal paper products	5	0	4	0	1
5120 paper & paperboard	0	---	---	0	---
5190 paper products nec	5	0	4	0	1
Subtotal lime, cement and glass	19	0	14	0	5
5220 cement & concrete	0	---	0	---	0
5240 glass & glass prod.	1	---	1	---	0

LAKE WASHINGTON SHIP CANAL, WA (INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WA)
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd
5290 misc. mineral prod.	18	0	13	0	5
Subtotal primary iron and steel products	2	0	1	0	0
5360 i&s bars & shapes	0	---	0	---	0
5370 i&s pipe & tube	1	0	0	---	0
5390 primary i&s nec	1	0	1	0	0
Subtotal primary non-ferrous metal products	27	8	16	0	2
5480 fab. metal products	27	8	16	0	2
Subtotal primary wood products	12	---	12	---	0
5540 primary wood prod.	12	---	12	---	0
Total food and farm products	85	31	14	27	13
Subtotal fish	33	25	0	7	0
6134 fish (not shellfish)	26	19	0	7	0
6136 shellfish	7	7	---	1	---
Subtotal vegetable products	1	0	1	---	0
6654 vegetables & prod.	1	0	1	---	0
Subtotal processed grain and animal feed	0	---	0	---	0
6747 grain mill products	0	---	0	---	---
6781 hay & fodder	0	---	0	---	0
Subtotal other agricultural products	50	6	13	19	13
6811 meat, fresh, frozen	1	0	1	---	0
6822 dairy products	0	---	0	---	---
6835 fish, prepared	24	5	---	17	1
6858 fruit juices	1	0	1	---	0
6885 alcoholic beverages	3	0	1	1	---
6887 groceries	16	0	8	---	8
6888 water & ice	0	---	---	0	---
6889 food products nec	4	0	1	0	3
6891 tobacco & products	0	---	0	---	---
6899 farm products nec	0	---	0	---	0
Total all manufactured equipment, machinery and products	113	30	65	2	16
7110 machinery (not elec)	5	0	3	0	1
7120 electrical machinery	0	0	0	0	0
7210 vehicles & parts	4	0	2	0	1
7220 aircraft & parts	0	0	---	0	0
7230 ships & boats	2	0	1	0	1
7400 manufac. wood prod.	14	0	9	0	5
7500 textile products	0	---	0	---	0
7600 rubber & plastic pr.	0	0	0	0	0
7900 manufac. prod. nec	87	28	50	1	8
Total waste and scrap nec	0	0	---	0	---
8900 waste and scrap nec	0	0	---	0	---
Total unknown or not elsewhere classified	0	0	---	---	---
9900 unknown or nec	0	0	---	---	---

EVERETT HARBOR AND SNOHOMISH RIVER, WA

Section Included: Port Gardner Bay from the Weyerhaeuser Company Thermo-Mechanical Mill, on the south to Preston Point on the north and including the Snohomish River and Tributary Waters. Controlling Depth: East Waterway, 33.3 feet; 14.0 feet in Port Gardner Bay to the settling basin; 8.8 feet in the settling basin; 6.1 feet from the settling basin to Burlington Northern Railroad; 4.8 feet from Burlington Northern Railroad to head of waterway at Steamboat Slough. Project Depth: East Waterway, 30 feet; deep water in Port Gardner Bay to settling basin, 15 feet; settling basin, 20 feet; from the settling basin to the gap, 8 feet; from the gap to the upstream settling basin, 8 feet; 40 feet in upstream settling basin; 8 feet to head of waterway. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	7,200	1990	6,580	1993	4,714	1996	4,007
1988	7,396	1991	5,453	1994	4,192		
1989	6,036	1992	6,010	1995	4,441		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	1,205	298	566	297	45
Total petroleum and petroleum products	0	---	0	---	0
Subtotal crude petroleum	0	---	---	---	0
2100 crude petroleum	0	---	---	---	0
Subtotal petroleum products	0	---	0	---	---
2350 lube oil & greases	0	---	0	---	---
Total crude materials, inedible except fuels	1,163	298	547	274	45
Subtotal forest products, wood and chips	605	---	547	13	45
4150 fuel wood	4	---	0	4	---
4161 wood chips	36	---	---	9	27
4170 wood in the rough	561	---	543	---	18
4189 lumber	4	---	4	---	---
Subtotal soil, sand, gravel, rock and stone	261	---	---	261	---
4310 building stone	2	---	---	2	---

EVERETT HARBOR AND SNOHOMISH RIVER, WA
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
4331 sand & gravel	259	---	---	259	---
Subtotal non-ferrous ores and scrap	298	298	---	---	---
4650 aluminum ore	298	---	---	---	---
Total primary manufactured goods	23	---	0	23	---
Subtotal paper products	23	---	0	23	---
5110 newsprint	12	---	---	12	---
5120 paper & paperboard	11	---	0	11	---
5190 paper products nec	0	---	0	---	---
Subtotal lime, cement and glass	0	---	---	0	---
5290 misc. mineral prod.	0	---	---	0	---
Subtotal primary non-ferrous metal products	0	---	0	---	---
5480 fab. metal products	0	---	0	---	---
Total food and farm products	18	---	18	---	---
Subtotal grain	0	---	0	---	---
6344 corn	0	---	0	---	---
Subtotal vegetable products	7	---	7	---	---
6653 vegetable oils	0	---	0	---	---
6654 vegetables & prod.	7	---	7	---	---
Subtotal other agricultural products	11	---	11	---	---
6811 meat, fresh, frozen	1	---	1	---	---
6817 meat, prepared	0	---	0	---	---
6822 dairy products	0	---	0	---	---
6857 fruit & nuts nec	7	---	7	---	---
6858 fruit juices	0	---	0	---	---
6889 food products nec	1	---	1	---	---
Total all manufactured equipment, machinery and products	0	0	0	---	---
7110 machinery (not elec)	0	---	0	---	---
7120 electrical machinery	0	---	0	---	---
7210 vehicles & parts	0	0	0	---	---
7230 ships & boats	0	---	0	---	---
7400 manufac. wood prod.	0	---	0	---	---
7500 textile products	0	0	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---
7900 manufac. prod. nec	0	0	0	---	---

Commodity	Total	Domestic			
		Coastwise Receipts	Internal		
			Receipts	Shipments	Intraport
Total, all commodities	2,802	7	1,063	1,191	542
Total petroleum and petroleum products	25	---	24	0	0
Subtotal petroleum products	25	---	24	0	0
2330 distillate fuel oil	0	---	0	---	0
2340 residual fuel oil	24	---	24	---	---
2430 asphalt, tar & pitch	0	---	---	0	---
Total chemicals and related products	18	---	18	0	---
Subtotal other chemicals and related products	18	---	18	0	---
3274 sodium hydroxide	9	---	9	---	---
3275 inorg. elem., oxides, & halogen salts	9	---	9	0	---
Total crude materials, inedible except fuels	2,756	7	1,019	1,189	541
Subtotal forest products, wood and chips	2,621	7	885	1,188	541
4150 fuel wood	9	---	---	9	---
4161 wood chips	109	---	2	106	---
4170 wood in the rough	2,503	7	883	1,073	541
4189 lumber	0	---	0	0	---
Subtotal soil, sand, gravel, rock and stone	135	---	134	1	---
4331 sand & gravel	134	---	133	1	---
4335 waterway improv. mat	1	---	1	---	---
Total primary manufactured goods	2	---	1	1	---
Subtotal lime, cement and glass	0	---	0	0	---
5290 misc. mineral prod.	0	---	0	0	---
Subtotal primary non-ferrous metal products	1	---	1	1	---
5480 fab. metal products	1	---	1	1	---
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	1	1	0	0	---
7110 machinery (not elec)	1	1	---	---	---
7210 vehicles & parts	0	---	0	0	---
7400 manufac. wood prod.	0	---	---	0	---
Total unknown or not elsewhere classified	0	---	---	0	---
9900 unknown or nec	0	---	---	0	---

SWINOMISH CHANNEL, WA

Section Included: Entire channel. Controlling Depth: 10.5 feet. Project Depth: 12 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,643	1990	1,733	1993	521	1996	392
1988	837	1991	829	1994	374		
1989	1,724	1992	816	1995	689		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	392	28	50	29	245	6	13	8	14
Total crude materials, inedible except fuels	385	28	43	29	245	6	13	8	14
Subtotal forest products, wood and chips	384	28	43	29	245	6	12	8	14
4161 wood chips	0	0	---	---	---	---	---	---	---
4170 wood in the rough	384	28	43	29	245	6	12	8	14
Subtotal soil, sand, gravel, rock and stone	1	---	---	---	---	---	1	---	---
4331 sand & gravel	1	---	---	---	---	---	1	---	---
Total food and farm products	7	---	7	---	---	---	---	---	---
Subtotal fish	7	---	7	---	---	---	---	---	---
6134 fish (not shellfish)	6	---	6	---	---	---	---	---	---
6136 shellfish	1	---	1	---	---	---	---	---	---
Ton-miles (x1000)	1,317	50	412	240	359	58	126	25	47
Tons All Traffic (x1000)			392						
Ton-miles All Traffic (x1000)			1,317						

ANACORTES HARBOR, WA

Section Included: Water front of Fidalgo Island from Burrows Bay to and including the oil refinery wharves on Fidalgo Bay. Controlling Depth: Main harbor on Guemes Channel, 33 feet; CapSante Waterway, Outer Waterway 11.4 feet, Inner Waterway 11.8 feet, Anacortes Navigation Channel, 16.2 feet. Project Depth: No project for main harbor; Ca Sante Waterway, 12 feet Anacortes Navigation Channel, 18 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	13,687	1990	15,438	1993	13,124	1996	13,844
1988	13,638	1991	14,481	1994	12,950		
1989	13,169	1992	15,260	1995	13,110		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	2,014	463	963	84	504
Total petroleum and petroleum products	1,876	420	915	36	504
Subtotal crude petroleum	268	259	---	9	---
2100 crude petroleum	268	259	---	9	---
Subtotal petroleum products	1,608	161	915	27	504
2211 gasoline	134	---	29	7	99
2221 kerosene	157	15	94	---	48
2330 distillate fuel oil	239	36	187	5	11
2340 residual fuel oil	388	32	313	15	28
2350 lube oil & greases	89	78	11	---	---
2429 naphtha & solvents	138	---	138	---	---
2430 asphalt, tar & pitch	144	---	144	---	---
2540 petroleum coke	319	---	---	---	319
Total chemicals and related products	0	---	0	---	---
Subtotal other chemicals and related products	0	---	0	---	---
3240 nitrogen func. comp.	0	---	0	---	---
Total crude materials, inedible except fuels	137	42	47	48	---
Subtotal forest products, wood and chips	95	---	47	48	---
4170 wood in the rough	95	---	47	48	---

ANACORTES HARBOR, WA
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Subtotal non-ferrous ores and scrap	42	42	---	---	---
4650 aluminum ore	42	42	---	---	---
Total primary manufactured goods	1	1	0	---	---
Subtotal paper products	0	---	0	---	---
5120 paper & paperboard	0	---	0	---	---
Subtotal primary iron and steel products	1	1	---	---	---
5330 i&s plates & sheets	0	0	---	---	---
5360 i&s bars & shapes	0	0	---	---	---
5370 i&s pipe & tube	0	0	---	---	---
Total food and farm products	0	---	---	0	---
Subtotal fish	0	---	---	0	---
6134 fish (not shellfish)	0	---	---	0	---
Total all manufactured equipment, machinery and products	0	0	0	---	---
7110 machinery (not elec)	0	0	0	---	---
7120 electrical machinery	0	---	0	---	---
7500 textile products	0	---	0	---	---
7900 manufac. prod. nec	0	0	0	---	---
Total unknown or not elsewhere classified	0	---	---	0	---
9900 unknown or nec	0	---	---	0	---

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	11,830	8,536	1,904	323	1,001	65
Total petroleum and petroleum products	11,620	8,536	1,888	199	941	57
Subtotal crude petroleum	8,490	8,480	---	---	10	---
2100 crude petroleum	8,490	8,480	---	---	10	---
Subtotal petroleum products	3,130	56	1,888	199	931	57
2211 gasoline	1,630	9	1,530	13	74	4
2330 distillate fuel oil	558	17	201	107	202	32
2340 residual fuel oil	901	31	157	60	645	9
2350 lube oil & greases	35	---	---	19	4	12
2429 naphtha & solvents	7	---	---	---	7	---
Total chemicals and related products	16	---	16	---	---	---
Subtotal other chemicals and related products	16	---	16	---	---	---
3274 sodium hydroxide	9	---	9	---	---	---
3297 chemical additives	7	---	7	---	---	---
Total crude materials, inedible except fuels	187	0	0	119	59	9
Subtotal forest products, wood and chips	141	0	0	75	59	7
4161 wood chips	7	---	---	---	---	7
4170 wood in the rough	134	---	---	75	59	---
4189 lumber	0	0	0	---	0	---
Subtotal soil, sand, gravel, rock and stone	46	---	---	44	---	2
4331 sand & gravel	46	---	---	44	---	2
Total primary manufactured goods	0	0	0	0	0	---
Subtotal lime, cement and glass	0	0	0	---	0	---
5290 misc. mineral prod.	0	0	0	---	0	---
Subtotal primary non-ferrous metal products	0	---	---	0	0	---
5480 fab. metal products	0	---	---	0	0	---
Total food and farm products	5	---	---	5	0	---
Subtotal fish	5	---	---	5	0	---
6134 fish (not shellfish)	4	---	---	4	0	---
6136 shellfish	1	---	---	1	---	---
Total all manufactured equipment, machinery and products	1	0	0	---	1	---
7110 machinery (not elec)	0	0	---	---	0	---
7210 vehicles & parts	1	---	---	---	1	---
7400 manufac. wood prod.	0	0	0	---	0	---

BELLINGHAM BAY AND HARBOR, WA

Section Included: Bellingham Bay and Chuckanut Bay from the wharf of the Olympic Portland Cement Company on the north to and including Chuckanut Inter-Island Ferry Slip on the south. Controlling Depth: Whatcom Creek Waterway, 8.9 to 25.8 feet; Squalicum Creek Waterway, 23.2 feet, from deep water to turning basin, 19.7 feet in turning basin, 11.8 feet from sta. 16 + 00 to 5 + 40; I & J St. Waterway, 11.0 ft. Project Depth: Whatcom Creek Waterway, 18 to 30 feet; Squalicum Creek Waterway, 26 feet over the entire waterway. I & J Street Waterway 18 feet over the entire waterway. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	2,104	1990	1,303	1993	1,223	1996	1,419
1988	1,867	1991	1,482	1994	1,343		
1989	1,769	1992	1,383	1995	1,291		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Imports	Exports	Imports	Exports
Total, all commodities	1,024	550	309	118	46
Total petroleum and petroleum products	105	72	---	22	10
Subtotal crude petroleum	95	72	---	22	---
2100 crude petroleum	95	72	---	22	---
Subtotal petroleum products	10	---	---	---	10
2340 residual fuel oil	10	---	---	---	10
Total chemicals and related products	70	0	49	14	6
Subtotal fertilizers	0	0	---	---	---
3190 fert. & mixes nec	0	0	---	---	---
Subtotal other chemicals and related products	70	---	49	14	6
3219 other hydrocarbons	0	---	0	---	---
3220 alcohols	0	---	0	---	---
3274 sodium hydroxide	6	---	---	---	6
3286 plastics	0	---	0	---	---
3298 wood & resin chem.	63	---	49	14	---
Total crude materials, inedible except fuels	730	477	144	79	30
Subtotal forest products, wood and chips	402	364	10	25	2
4150 fuel wood	2	---	---	2	---
4161 wood chips	386	363	---	21	2
4170 wood in the rough	12	---	10	2	---
4189 lumber	2	1	0	---	---
Subtotal pulp and waste paper	134	---	134	---	---
4225 pulp & waste paper	134	---	134	---	---
Subtotal soil, sand, gravel, rock and stone	79	---	---	53	26
4310 building stone	4	---	---	---	4
4322 limestone	47	---	---	47	---
4323 gypsum	21	---	---	3	18
4327 phosphate rock	3	---	---	3	---
4331 sand & gravel	5	---	---	---	5
Subtotal iron ore and scrap	1	---	---	1	---
4420 iron & steel scrap	1	---	---	1	---
Subtotal non-ferrous ores and scrap	113	113	0	---	---
4650 aluminum ore	113	113	---	---	---
4680 non-ferrous scrap	0	---	0	---	---
Subtotal other non-metal. min.	1	---	---	---	1
4900 non-metal. min. nec	1	---	---	---	1
Total primary manufactured goods	63	0	62	0	---
Subtotal primary iron and steel products	0	0	---	---	---
5370 i&s pipe & tube	0	0	---	---	---
Subtotal primary non-ferrous metal products	62	0	62	0	---
5421 copper	0	---	0	---	---
5422 aluminum	62	---	62	---	---
5480 fab. metal products	0	0	---	0	---
Subtotal primary wood products	0	0	0	---	---
5540 primary wood prod.	0	0	0	---	---
Total food and farm products	56	0	53	2	---
Subtotal fish	3	0	---	2	---
6134 fish (not shellfish)	2	0	---	2	---
6136 shellfish	0	0	---	---	---
Subtotal vegetable products	1	0	1	---	---
6653 vegetable oils	0	---	0	---	---
6654 vegetables & prod.	0	0	0	---	---
Subtotal other agricultural products	53	0	53	0	---
6811 meat, fresh, frozen	30	---	30	---	---
6817 meat, prepared	12	---	12	---	---
6822 dairy products	0	---	0	---	---
6838 tallow, animal oils	10	---	10	---	---
6857 fruit & nuts nec	0	0	---	---	---
6889 food products nec	0	---	0	---	---
6899 farm products nec	0	---	---	0	---
Total all manufactured equipment, machinery and products	1	0	0	0	---
7110 machinery (not elec)	0	---	0	---	---
7120 electrical machinery	0	---	0	---	---
7230 ships & boats	0	---	0	0	---
7500 textile products	0	0	0	---	---
7600 rubber & plastic pr.	0	---	0	---	---
7900 manufac. prod. nec	0	---	0	---	---
Total unknown or not elsewhere classified	0	0	0	---	0
9900 unknown or nec	0	0	0	---	0

BELLINGHAM BAY AND HARBOR, WA
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	395	112	107	56	121
Total petroleum and petroleum products	23	---	15	8	---
Subtotal petroleum products	23	---	15	8	---
2211 gasoline	15	---	15	---	---
2330 distillate fuel oil	0	---	---	0	---
2340 residual fuel oil	7	---	---	7	---
2350 lube oil & greases	0	---	---	0	---
Total chemicals and related products	86	---	86	---	---
Subtotal other chemicals and related products	86	---	86	---	---
3274 sodium hydroxide	36	---	36	---	---
3298 wood & resin chem.	51	---	51	---	---
Total crude materials, inedible except fuels	254	111	---	36	106
Subtotal forest products, wood and chips	86	---	---	21	65
4170 wood in the rough	86	---	---	21	65
Subtotal pulp and waste paper	15	---	---	15	---
4225 pulp & waste paper	15	---	---	15	---
Subtotal soil, sand, gravel, rock and stone	42	---	---	---	42
4331 sand & gravel	42	---	---	---	42
Subtotal other non-metal. min.	111	111	---	---	---
4900 non-metal. min. nec	111	111	---	---	---
Total primary manufactured goods	16	0	---	1	15
Subtotal lime, cement and glass	14	---	---	1	12
5220 cement & concrete	14	---	---	1	12
Subtotal primary non-ferrous metal products	2	0	---	0	2
5422 aluminum	0	---	---	---	0
5480 fab. metal products	2	0	---	0	2
Total food and farm products	11	1	---	11	---
Subtotal fish	11	1	---	11	---
6134 fish (not shellfish)	10	1	---	9	---
6136 shellfish	1	---	---	1	---
Total all manufactured equipment, machinery and products	5	0	5	---	---
7110 machinery (not elec)	5	---	5	---	---
7900 manufac. prod. nec	0	0	---	---	---

Other Harbors and Waterways 1996

Harbor or Waterway Project	Commodity	Thousand Short Tons
BLAINE HARBOR, WA	4331 sand & gravel	3
	5370 i&s pipe & tube	0
	Total Tons(x1000)	3
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WA	No Commerce Reported	
FLATHEAD LAKE, MT	No Commerce Reported	
HOQUIAM RIVER, WA	4170 wood in the rough	24
	Total Tons(x1000)	24
	Total Ton-miles(x1000)	57
KOOTENAI RIVER, ID AND MT	No Commerce Reported	
NEAH BAY, WA	5480 fab. metal products	0
	6134 fish (not shellfish)	3
	6136 shellfish	0
	6839 animals & prod. nec	0
	Total Tons(x1000)	3
PORT GAMBLE HARBOR, WA	4331 sand & gravel	1
	Total Tons(x1000)	1
QUILLAYUTE RIVER, WA	6134 fish (not shellfish)	14
	6136 shellfish	9
	Total Tons(x1000)	24
	Total Ton-miles(x1000)	24
SKAGIT RIVER, WA	4170 wood in the rough	43
	6134 fish (not shellfish)	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	Total Tons(x1000)	43
	Total Ton-miles(x1000)	578
STILLAGUAMISH RIVER, WA	No Commerce Reported	
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WA	4161 wood chips	3
	4170 wood in the rough	80
	Total Tons(x1000)	83
	Total Ton-miles(x1000)	437
WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WA	6134 fish (not shellfish)	0
	6136 shellfish	1
	Total Tons(x1000)	1
Non-project		
COEUR D ALENE LAKE AND ST. JOE RIVER, ID	4170 wood in the rough	572
	Total Tons(x1000)	572
	Total Ton-miles(x1000)	9,322
OTHER PUGET SOUND AREA PORTS, WA (NET)	2100 crude petroleum	15,136
	2211 gasoline	2,377
	2221 kerosene	74
	2330 distillate fuel oil	1,673
	2340 residual fuel oil	1,920
	2350 lube oil & greases	0

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
OTHER PUGET SOUND AREA PORTS, WA (NET) - continued	2429 naphtha & solvents	120
	2430 asphalt, tar & pitch	26
	2540 petroleum coke	47
	2640 liquid natural gas	343
	2990 petro. products nec	31
	3212 benzene & toluene	9
	3220 alcohols	3
	3274 sodium hydroxide	8
	3286 plastics	0
	3292 starches, gluten, glue	0
	3293 explosives	1
	3298 wood & resin chem.	4
	4161 wood chips	10
	4170 wood in the rough	614
	4189 lumber	0
	4225 pulp & waste paper	2
	4310 building stone	2
	4322 limestone	48
	4323 gypsum	3
	4331 sand & gravel	3,333
	4335 waterway improv. mat	5
	4338 soil & fill dirt	2
	4420 iron & steel scrap	13
	4650 aluminum ore	452
	4680 non-ferrous scrap	0
	4690 non-ferrous ores nec	1
	4782 clay & refrac. mat.	59
	5190 paper products nec	0
	5290 misc. mineral prod.	5
	5360 i&s bars & shapes	1
	5422 aluminum	5
	5480 fab. metal products	2
	5540 primary wood prod.	0
	6134 fish (not shellfish)	0
	6136 shellfish	0
	6590 oilseeds nec	0
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	2
	6817 meat, prepared	1
	6822 dairy products	0
	6839 animals & prod. nec	0
	6858 fruit juices	0
	6885 alcoholic beverages	0
	6889 food products nec	0
	6899 farm products nec	0
	7110 machinery (not elec)	2
	7210 vehicles & parts	1
	7230 ships & boats	0
	7400 manufac. wood prod.	1
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	0
	8900 waste and scrap nec	2
	9900 unknown or nec	0
	Total Tons(x1000)	26,343

METLAKATLA HARBOR, AK

Section Included: From the boat basin west of Village Point to and including the exiting Chip Mill Dock east of the present City Dock. Controlling Depth: 25 feet at base of cannery wharf, 10 feet in boat basin, 40 feet at City Dock and 15 feet at Chip Mill Dock. Project Depth: 10 feet in present boat basin and 15 feet in proposed boat basin. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	471	1990	546	1993	683	1996	269
1988	180	1991	490	1994	560		
1989	568	1992	554	1995	490		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign Exports	Domestic		
			Total	Internal	
				Receipts	Shipments
Total, all commodities	269	51	218	165	53
Total coal	0	---	0	0	---
1100 coal lignite	0	---	0	0	---
Total petroleum and petroleum products	4	---	4	4	---
Subtotal petroleum products	4	---	4	4	---
2211 gasoline	1	---	1	1	---
2330 distillate fuel oil	3	---	3	3	---
2430 asphalt, tar & pitch	1	---	1	1	---
2540 petroleum coke	0	---	0	0	---
2990 petro. products nec	0	---	0	0	---
Total chemicals and related products	0	---	0	0	0
Subtotal other chemicals and related products	0	---	0	0	0
3299 chem. products nec	0	---	0	0	0
Total crude materials, inedible except fuels	258	51	207	157	50
Subtotal forest products, wood and chips	257	51	206	156	50
4110 rubber & gums	0	---	0	0	---
4161 wood chips	46	---	46	---	46
4170 wood in the rough	178	18	160	156	4
4189 lumber	34	33	1	0	0
4190 forest products nec	0	---	0	0	---
Subtotal pulp and waste paper	0	---	0	0	---
4225 pulp & waste paper	0	---	0	0	---
Subtotal soil, sand, gravel, rock and stone	1	---	1	1	---
4331 sand & gravel	1	---	1	1	---
Subtotal iron ore and scrap	0	---	0	---	0
4420 iron & steel scrap	0	---	0	---	0
Total primary manufactured goods	1	---	1	1	0
Subtotal paper products	0	---	0	0	---
5190 paper products nec	0	---	0	0	---
Subtotal lime, cement and glass	0	---	0	0	0
5220 cement & concrete	0	---	0	0	0
5240 glass & glass prod.	0	---	0	0	0
Subtotal primary non-ferrous metal products	0	---	0	0	0
5480 fab. metal products	0	---	0	0	0
Total food and farm products	3	---	3	1	1
Subtotal other agricultural products	3	---	3	1	1
6889 food products nec	3	---	3	1	1
Total all manufactured equipment, machinery and products	3	---	3	1	2
7110 machinery (not elec)	1	---	1	0	1
7120 electrical machinery	0	---	0	0	0
7210 vehicles & parts	0	---	0	0	0
7400 manufac. wood prod.	1	---	1	0	0
7500 textile products	0	---	0	0	0
7600 rubber & plastic pr.	0	---	0	0	---
7900 manufac. prod. nec	1	---	1	0	0

KETCHIKAN HARBOR, AK

Section Included: Tongass Narrows from Point Higgins on the north to Mountain Point on the south and including Herring Bay on George Inlet.
 Controlling Depth: Main Harbor, adequate; small boat basins, Ketchikan Creek, 10.0 feet; Bar Point, 15 feet. Project Depth: No project depth for Main Harbor; small boat basins, 10 and 15 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	2,444	1990	1,947	1993	1,564	1996	1,341
1988	2,005	1991	1,568	1994	1,759		
1989	2,294	1992	1,986	1995	1,821		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Exports	Imports	Imports	Exports
Total, all commodities	228	154	60	13	
Total petroleum and petroleum products	48	---	46	2	
Subtotal petroleum products	48	---	46	2	
2211 gasoline	5	---	3	2	
2221 kerosene	14	---	14	---	
2330 distillate fuel oil	29	---	29	---	
2640 liquid natural gas	1	---	1	---	
Total chemicals and related products	0	0	---	---	
Subtotal other chemicals and related products	0	0	---	---	
3285 perfumes & cleansers	0	0	---	---	
Total crude materials, inedible except fuels	168	153	14	---	
Subtotal forest products, wood and chips	40	31	9	---	
4170 wood in the rough	24	15	9	---	
4189 lumber	16	16	---	---	
Subtotal pulp and waste paper	123	123	---	---	
4225 pulp & waste paper	123	123	---	---	
Subtotal soil, sand, gravel, rock and stone	5	---	5	---	
4331 sand & gravel	5	---	5	---	
Total primary manufactured goods	0	---	0	---	
Subtotal primary non-ferrous metal products	0	---	0	---	
5480 fab. metal products	0	---	0	---	
Total food and farm products	12	1	---	11	
Subtotal fish	11	---	---	11	
6134 fish (not shellfish)	11	---	---	11	
Subtotal processed grain and animal feed	1	1	---	---	
6782 animal feed, prep.	1	1	---	---	
Total all manufactured equipment, machinery and products	0	---	0	0	
7110 machinery (not elec)	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	Intraport
Total, all commodities	1,113	205	14	719	161	13
Total coal	0	---	---	0	0	---
1100 coal lignite	0	---	---	0	0	---
Total petroleum and petroleum products	356	176	6	56	110	8
Subtotal petroleum products	356	176	6	56	110	8
2211 gasoline	117	71	2	8	33	3
2330 distillate fuel oil	173	74	4	15	76	5
2340 residual fuel oil	63	31	---	32	---	---
2350 lube oil & greases	1	---	---	1	0	---
2430 asphalt, tar & pitch	1	---	---	0	1	---
2540 petroleum coke	0	---	---	0	---	---
2640 liquid natural gas	0	---	---	0	0	---
2990 petro. products nec	0	---	---	0	0	---
Total chemicals and related products	33	14	---	17	1	---
Subtotal fertilizers	0	---	---	0	---	---
3110 nitrogenous fert.	0	---	---	0	---	---
Subtotal other chemicals and related products	33	14	---	17	1	---
3220 alcohols	0	---	---	---	0	---
3274 sodium hydroxide	27	14	---	13	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	---	---	0	---
3286 plastics	0	---	---	0	0	---
3293 explosives	1	---	---	0	1	---
3299 chem. products nec	5	---	---	4	1	---
Total crude materials, inedible except fuels	577	14	7	545	10	0
Subtotal forest products, wood and chips	574	14	7	545	9	---
4110 rubber & gums	0	---	---	0	0	---
4150 fuel wood	7	---	---	---	7	---

KETCHIKAN HARBOR, AK
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
4161 wood chips	46	---	---	46	---	---
4170 wood in the rough	515	14	7	494	---	---
4189 lumber	6	---	0	4	2	---
4190 forest products nec	1	---	---	1	0	---
Subtotal pulp and waste paper	0	---	---	0	0	---
4225 pulp & waste paper	0	---	---	0	0	---
Subtotal soil, sand, gravel, rock and stone	1	---	---	---	1	---
4331 sand & gravel	1	---	---	---	1	---
Subtotal iron ore and scrap	1	---	0	---	0	0
4420 iron & steel scrap	1	---	0	---	0	0
Subtotal other non-metal. min.	1	---	---	0	0	---
4900 non-metal. min. nec	1	---	---	0	0	---
Total primary manufactured goods	22	0	0	20	2	---
Subtotal paper products	2	---	---	2	1	---
5190 paper products nec	2	---	---	2	1	---
Subtotal lime, cement and glass	6	---	0	5	0	---
5220 cement & concrete	2	---	---	2	0	---
5240 glass & glass prod.	2	---	---	2	0	---
5290 misc. mineral prod.	2	---	0	1	0	---
Subtotal primary iron and steel products	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	13	0	0	12	1	---
5480 fab. metal products	13	0	0	12	1	---
Subtotal primary wood products	1	---	---	1	0	---
5540 primary wood prod.	1	---	---	1	0	---
Total food and farm products	45	---	---	28	17	---
Subtotal fish	12	---	---	8	5	---
6134 fish (not shellfish)	12	---	---	8	5	---
6136 shellfish	0	---	---	0	0	---
Subtotal vegetable products	0	---	---	0	0	---
6654 vegetables & prod.	0	---	---	0	0	---
Subtotal other agricultural products	33	---	---	20	13	---
6811 meat, fresh, frozen	0	---	---	0	0	---
6835 fish, prepared	10	---	---	1	9	---
6858 fruit juices	0	---	---	0	0	---
6885 alcoholic beverages	1	---	---	1	---	---
6887 groceries	3	---	---	1	2	---
6888 water & ice	0	---	---	---	0	---
6889 food products nec	19	---	---	17	2	---
Total all manufactured equipment, machinery and products	81	1	1	53	21	4
7110 machinery (not elec)	30	1	1	13	10	4
7120 electrical machinery	4	---	---	4	0	---
7210 vehicles & parts	5	---	---	3	2	---
7220 aircraft & parts	0	---	---	0	---	---
7230 ships & boats	1	---	0	0	0	---
7400 manufac. wood prod.	5	---	0	3	1	---
7500 textile products	2	---	---	2	0	---
7600 rubber & plastic pr.	1	---	---	0	0	---
7900 manufac. prod. nec	33	0	0	26	7	0

WRANGELL NARROWS, AK

Section Included: Entire 24 mile long waterway. Controlling Depth: 26 feet in the anchorage basin and 24 feet in the authorized channel with exception of the area near Colorado Reef where a depth of 21.6 feet exists. Project Depth: 27 feet through Petersburg Bar; 26 feet in anchorage basin, vicinity of mile 14; all other, 24 feet. All depths refer to mliw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	875	1990	858	1993	569	1996	473
1988	739	1991	714	1994	547		
1989	939	1992	718	1995	544		

Freight Traffic, 1996 (thousand short tons)

Commodity	Total	Coastwise		
		Receipts	Through	
			Upbound	Downbd
Total, all commodities	136	1	111	24
Total petroleum and petroleum products	16	0	7	9
Subtotal petroleum products	16	0	7	9
2211 gasoline	3	0	2	1
2330 distillate fuel oil	10	0	2	8
2350 lube oil & greases	1	---	1	---
2430 asphalt, tar & pitch	0	---	0	---
2540 petroleum coke	1	---	1	---
2640 liquid natural gas	0	---	0	---
2990 petro. products nec	1	---	1	---

WRANGELL NARROWS, AK
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Coastwise		
		Receipts	Through	
			Upbound	Downbnd
Total chemicals and related products	4	---	4	0
Subtotal fertilizers	1	---	1	---
3110 nitrogenous fert.	1	---	1	---
Subtotal other chemicals and related products	3	---	3	0
3220 alcohols	0	---	0	0
3282 pigments & paints	1	---	1	---
3286 plastics	0	---	0	---
3293 explosives	0	---	0	---
3299 chem. products nec	2	---	2	---
Total crude materials, inedible except fuels	16	0	9	7
Subtotal forest products, wood and chips	12	0	5	7
4150 fuel wood	0	---	0	0
4170 wood in the rough	7	---	---	7
4189 lumber	5	0	5	0
4190 forest products nec	0	---	0	---
Subtotal pulp and waste paper	0	---	---	0
4225 pulp & waste paper	0	---	---	0
Subtotal soil, sand, gravel, rock and stone	0	---	0	---
4338 soil & fill dirt	0	---	0	---
Subtotal iron ore and scrap	3	---	3	0
4420 iron & steel scrap	3	---	3	0
Subtotal other non-metal. min.	2	0	2	---
4900 non-metal. min. nec	2	0	2	---
Total primary manufactured goods	25	0	24	0
Subtotal paper products	2	0	2	0
5190 paper products nec	2	0	2	0
Subtotal lime, cement and glass	9	0	9	0
5220 cement & concrete	5	---	5	---
5240 glass & glass prod.	1	---	1	0
5290 misc. mineral prod.	3	0	3	0
Subtotal primary iron and steel products	1	0	1	---
5370 i&s pipe & tube	1	0	1	---
Subtotal primary non-ferrous metal products	11	0	11	0
5480 fab. metal products	11	0	11	0
Subtotal primary wood products	2	---	2	---
5540 primary wood prod.	2	---	2	---
Total food and farm products	12	0	11	1
Subtotal fish	1	---	1	---
6136 shellfish	1	---	1	---
Subtotal vegetable products	0	0	---	---
6654 vegetables & prod.	0	0	---	---
Subtotal processed grain and animal feed	0	---	0	---
6781 hay & fodder	0	---	0	---
Subtotal other agricultural products	11	0	10	1
6811 meat, fresh, frozen	0	0	---	---
6835 fish, prepared	0	---	---	0
6858 fruit juices	0	0	---	---
6885 alcoholic beverages	2	---	1	0
6887 groceries	3	---	3	0
6889 food products nec	7	---	6	0
Total all manufactured equipment, machinery and products	63	1	54	8
7110 machinery (not elec)	7	0	5	3
7120 electrical machinery	2	---	2	0
7210 vehicles & parts	3	0	3	0
7230 ships & boats	0	0	0	0
7400 manufac. wood prod.	5	0	5	0
7500 textile products	2	---	2	---
7600 rubber & plastic pr.	0	---	0	0
7900 manufac. prod. nec	44	1	38	5
Total waste and scrap nec	0	---	---	0
8900 waste and scrap nec	0	---	---	0
Ton-miles (x1000)	3,881	12	3,052	818
Coastwise				

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	338	36	6	1	46	149	99
Total petroleum and petroleum products	88	14	2	0	0	71	1
Subtotal petroleum products	88	14	2	0	0	71	1
2211 gasoline	26	2	1	0	0	23	0
2330 distillate fuel oil	59	11	2	---	---	46	1
2350 lube oil & greases	0	---	---	---	---	0	0
2430 asphalt, tar & pitch	0	---	---	---	---	0	0
2540 petroleum coke	0	---	---	---	---	0	---
2640 liquid natural gas	2	0	---	---	---	1	0
2990 petro. products nec	0	---	---	---	---	0	0

WRANGELL NARROWS, AK
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total chemicals and related products	4	2	0	0	0	1	0
Subtotal fertilizers	1	1	---	---	---	0	0
3110 nitrogenous fert.	0	0	---	---	---	---	0
3190 fert. & mixes nec	0	0	---	---	---	0	---
Subtotal other chemicals and related products	3	1	0	0	0	1	0
3220 alcohols	0	0	---	---	---	0	---
3275 inorg. elem., oxides, & halogen salts	0	---	---	---	---	0	---
3282 pigments & paints	0	0	0	---	---	0	---
3286 plastics	0	0	---	---	0	0	---
3293 explosives	1	0	---	0	0	1	0
3299 chem. products nec	1	0	---	---	---	0	---
Total crude materials, inedible except fuels	119	1	3	---	32	10	73
Subtotal forest products, wood and chips	104	1	---	---	32	7	65
4150 fuel wood	0	---	---	---	---	0	0
4170 wood in the rough	96	---	---	---	32	---	65
4189 lumber	7	1	---	---	---	6	0
4190 forest products nec	1	---	---	---	---	1	---
Subtotal pulp and waste paper	0	---	---	---	---	---	0
4225 pulp & waste paper	0	---	---	---	---	---	0
Subtotal soil, sand, gravel, rock and stone	0	---	---	---	---	0	---
4338 soil & fill dirt	0	---	---	---	---	0	---
Subtotal iron ore and scrap	14	---	3	---	14	3	8
4420 iron & steel scrap	14	---	3	---	---	3	8
Subtotal other non-metal. min.	1	0	---	---	---	0	0
4900 non-metal. min. nec	1	0	---	---	---	0	0
Total primary manufactured goods	19	6	0	0	0	12	1
Subtotal paper products	3	1	---	---	---	1	0
5120 paper & paperboard	0	---	---	---	---	---	0
5190 paper products nec	3	1	---	---	---	1	0
Subtotal lime, cement and glass	8	1	0	---	---	7	0
5220 cement & concrete	1	0	0	---	---	1	---
5240 glass & glass prod.	1	0	---	---	---	0	---
5290 misc. mineral prod.	6	1	---	---	---	6	0
Subtotal primary iron and steel products	0	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	8	4	---	0	0	4	0
5480 fab. metal products	8	4	---	0	0	4	0
Subtotal primary wood products	0	---	---	---	---	0	---
5540 primary wood prod.	0	---	---	---	---	0	---
Total food and farm products	44	2	---	---	11	16	14
Subtotal fish	16	0	---	---	4	1	11
6134 fish (not shellfish)	15	0	---	---	4	1	10
6136 shellfish	1	---	---	---	0	---	1
Subtotal vegetable products	0	0	---	---	---	0	0
6654 vegetables & prod.	0	0	---	---	---	0	0
Subtotal processed grain and animal feed	0	---	---	---	---	0	---
6781 hay & fodder	0	---	---	---	---	0	---
Subtotal other agricultural products	28	2	---	---	8	15	3
6811 meat, fresh, frozen	0	0	---	---	---	0	0
6835 fish, prepared	8	0	---	---	8	---	0
6858 fruit juices	0	0	---	---	---	0	0
6885 alcoholic beverages	2	0	---	---	---	0	1
6887 groceries	11	0	---	---	0	10	1
6888 water & ice	0	---	---	---	---	0	0
6889 food products nec	7	1	---	---	0	5	1
6899 farm products nec	0	---	---	---	---	0	---
Total all manufactured equipment, machinery and products	64	11	1	1	3	38	10
7110 machinery (not elec)	8	1	0	0	2	3	2
7120 electrical machinery	2	0	0	---	---	2	0
7210 vehicles & parts	5	1	0	0	0	2	1
7220 aircraft & parts	0	---	---	---	---	---	0
7230 ships & boats	1	0	0	0	0	0	0
7400 manufac. wood prod.	6	0	---	0	---	6	0
7500 textile products	1	0	---	---	---	0	---
7600 rubber & plastic pr.	0	0	---	---	0	0	0
7900 manufac. prod. nec	41	8	1	0	1	24	6
Total waste and scrap nec	0	---	---	---	---	---	0
8900 waste and scrap nec	0	---	---	---	---	---	0
Ton-miles (x1000)	10,054	806	15	3	689	5,157	3,383
Internal							
Tons All Traffic (x1000)	473						
Ton-miles All Traffic (x1000)	13,936						

JUNEAU HARBOR, AK

Section Included: The northside of Gastineau Channel including Theaurora Basin small boat harbor. The city dock facility has a 200 foot sea plane and medium draft dock and a 500 foot commercial dock with a 40 foot depth. Three area small boat harbors accomodate 2,700 small boats and have water depths of 12 & 14 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	207	1990	157	1993	193	1996	465
1988	395	1991	179	1994	222		
1989	210	1992	163	1995	192		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise		Internal		
					Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Total, all commodities	465	104	158	203	48	8	96	51	1
Total petroleum and petroleum products	152	103	---	49	3	0	42	4	---
Subtotal crude petroleum	103	103	---	---	---	---	---	---	---
2100 crude petroleum	103	103	---	---	---	---	---	---	---
Subtotal petroleum products	49	---	---	49	3	0	42	4	---
2211 gasoline	14	---	---	14	0	0	14	1	---
2330 distillate fuel oil	32	---	---	32	2	0	27	3	---
2350 lube oil & greases	0	---	---	0	0	0	0	0	---
2430 asphalt, tar & pitch	0	---	---	0	0	---	0	0	---
2540 petroleum coke	0	---	---	0	---	---	0	---	---
2640 liquid natural gas	2	---	---	2	0	---	1	---	---
2990 petro. products nec	0	---	---	0	0	---	0	0	---
Total chemicals and related products	3	---	---	3	2	---	0	0	---
Subtotal fertilizers	1	---	---	1	1	---	---	0	---
3110 nitrogenous fert.	1	---	---	1	1	---	---	0	---
Subtotal other chemicals and related products	2	---	---	2	2	---	0	---	---
3275 inorg. elem., oxides, & halogen salts	0	---	---	0	---	---	0	---	---
3282 pigments & paints	1	---	---	1	1	---	0	---	---
3293 explosives	0	---	---	0	---	---	0	---	---
3299 chem. products nec	1	---	---	1	1	---	---	---	---
Total crude materials, inedible except fuels	201	---	158	43	8	2	11	22	---
Subtotal forest products, wood and chips	172	---	158	13	4	0	5	4	---
4150 fuel wood	0	---	---	0	0	0	0	0	---
4170 wood in the rough	163	---	158	5	1	---	---	4	---
4189 lumber	7	---	---	7	3	0	5	0	---
4190 forest products nec	1	---	---	1	0	---	1	---	---
Subtotal pulp and waste paper	0	---	---	0	---	0	---	0	---
4225 pulp & waste paper	0	---	---	0	---	0	---	0	---
Subtotal soil, sand, gravel, rock and stone	7	---	---	7	0	---	0	7	---
4331 sand & gravel	7	---	---	7	---	---	---	7	---
4338 soil & fill dirt	0	---	---	0	0	---	0	---	---
Subtotal iron ore and scrap	22	---	---	22	4	2	5	11	---
4420 iron & steel scrap	22	---	---	22	4	2	5	11	---

JUNEAU HARBOR, AK
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic					
		Imports	Exports	Total	Coastwise		Internal		
					Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Total primary manufactured goods	22	---	---	22	7	0	7	8	---
Subtotal paper products	2	---	---	2	1	0	0	0	---
5120 paper & paperboard	0	---	---	0	---	---	---	0	---
5190 paper products nec	2	---	---	2	1	0	0	0	---
Subtotal lime, cement and glass	9	---	---	9	1	0	5	3	---
5220 cement & concrete	2	---	---	2	0	---	0	2	---
5240 glass & glass prod.	0	---	---	0	---	0	---	---	---
5290 misc. mineral prod.	7	---	---	7	1	0	5	1	---
Subtotal primary iron and steel products	1	---	---	1	1	---	0	0	---
5370 i&s pipe & tube	1	---	---	1	1	---	0	---	---
5390 primary i&s nec	0	---	---	0	---	---	---	0	---
Subtotal primary non-ferrous metal products	11	---	---	11	4	0	2	5	---
5480 fab. metal products	11	---	---	11	4	0	2	5	---
Total food and farm products	18	---	---	18	5	0	10	3	---
Subtotal fish	1	---	---	1	---	---	---	1	---
6134 fish (not shellfish)	1	---	---	1	---	---	---	1	---
Subtotal processed grain and animal feed	0	---	---	0	0	---	0	---	---
6781 hay & fodder	0	---	---	0	0	---	0	---	---
Subtotal other agricultural products	17	---	---	17	5	0	10	3	---
6835 fish, prepared	0	---	---	0	---	---	---	0	---
6885 alcoholic beverages	2	---	---	2	---	0	---	1	---
6887 groceries	9	---	---	9	2	0	6	0	---
6888 water & ice	0	---	---	0	---	---	---	0	---
6889 food products nec	6	---	---	6	2	0	3	1	---
6899 farm products nec	0	---	---	0	---	---	0	---	---
Total all manufactured equipment, machinery and products	69	0	---	69	23	4	26	15	---
7110 machinery (not elec)	14	---	---	14	3	0	6	4	---
7120 electrical machinery	1	0	---	1	0	0	1	0	---
7210 vehicles & parts	5	---	---	5	2	0	2	1	---
7220 aircraft & parts	0	---	---	0	---	---	0	0	---
7230 ships & boats	0	---	---	0	0	0	0	0	---
7400 manufac. wood prod.	8	0	---	8	3	0	5	0	---
7500 textile products	1	0	---	1	1	---	0	---	---
7600 rubber & plastic pr.	0	---	---	0	0	0	0	0	---
7900 manufac. prod. nec	40	---	---	40	14	4	13	9	---
Total waste and scrap nec	1	---	---	1	---	0	---	0	1
8900 waste and scrap nec	1	---	---	1	---	0	---	0	1

SKAGWAY HARBOR, AK

Section Included: Entire waterfront of Skagway Harbor. Controlling Depth: Main harbor, adequate. Depth alongside the White Pass and Yukon Railway Wharf, 19.9 feet; 10.9 feet in small boat basin; 42.5 feet at Pacific and Artic Railway Navigation Company Ore Terminal; 20 feet at Alaska State Ferry Dock. Project Depth: Main harbor, 30 feet along southerly 700 feet of face of dock and 20 feet for the next 100 feet; small boat basin, 8 feet for federal portion, 12 feet maintained by local interests. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	1,505	1990	1,576	1993	660	1996	650
1988	1,441	1991	1,290	1994	128		
1989	1,445	1992	1,949	1995	265		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise Receipts	Internal	
							Receipts	Shipments
Total, all commodities	650	4	540	79	27	22	3	2
Total petroleum and petroleum products	93	---	---	79	14	14	0	---
Subtotal petroleum products	93	---	---	79	14	14	0	---
2211 gasoline	35	---	---	26	9	9	---	---
2221 kerosene	1	---	---	1	---	---	---	---
2330 distillate fuel oil	56	---	---	51	5	5	0	---
2350 lube oil & greases	0	---	---	---	0	0	---	---
2990 petro. products nec	0	---	---	---	0	0	---	---
Total chemicals and related products	1	---	0	---	1	1	0	---
Subtotal other chemicals and related products	1	---	0	---	1	1	0	---
3220 alcohols	0	---	---	---	0	---	0	---
3282 pigments & paints	0	---	---	---	0	0	---	---
3286 plastics	0	---	0	---	---	---	---	---
3299 chem. products nec	0	---	---	---	0	0	---	---
Total crude materials, inedible except fuels	540	---	540	---	0	0	0	---
Subtotal forest products, wood and chips	0	---	---	---	0	0	0	---
4189 lumber	0	---	---	---	0	0	0	---
Subtotal non-ferrous ores and scrap	540	---	540	---	---	---	---	---
4690 non-ferrous ores nec	540	---	540	---	---	---	---	---
Total primary manufactured goods	3	0	---	---	3	2	0	0
Subtotal paper products	0	---	---	---	0	0	---	---
5190 paper products nec	0	---	---	---	0	0	---	---
Subtotal lime, cement and glass	2	0	---	---	1	1	0	---
5220 cement & concrete	1	---	---	---	1	1	---	---
5290 misc. mineral prod.	0	0	---	---	0	0	0	---
Subtotal primary non-ferrous metal products	1	---	---	---	1	1	0	0
5480 fab. metal products	1	---	---	---	1	1	0	0
Total food and farm products	6	4	0	---	2	1	0	0
Subtotal vegetable products	0	---	0	---	---	---	---	---
6654 vegetables & prod.	0	---	0	---	---	---	---	---
Subtotal other agricultural products	6	4	0	---	2	1	0	0
6811 meat, fresh, frozen	4	4	---	---	---	---	---	---
6839 animals & prod. nec	0	0	---	---	---	---	---	---
6857 fruit & nuts nec	0	---	0	---	---	---	---	---
6885 alcoholic beverages	1	---	---	---	1	1	0	---
6887 groceries	0	---	---	---	0	---	0	---
6889 food products nec	1	---	---	---	1	0	0	0
Total all manufactured equipment, machinery and products	8	0	0	---	8	4	2	2
7110 machinery (not elec)	1	0	0	---	1	0	0	1
7120 electrical machinery	1	---	0	---	1	1	0	0
7210 vehicles & parts	1	---	---	---	1	0	0	0
7230 ships & boats	0	---	0	---	0	---	---	0
7400 manufac. wood prod.	0	---	---	---	0	0	---	---
7500 textile products	0	0	---	---	---	---	---	---
7600 rubber & plastic pr.	0	---	---	---	0	0	---	---
7900 manufac. prod. nec	4	0	0	---	4	2	2	1
Total unknown or not elsewhere classified	0	0	---	---	---	---	---	---
9900 unknown or nec	0	0	---	---	---	---	---	---

VALDEZ HARBOR, AK

Section Included: Entire waterfront from Point of Land west of Ferry Terminal easterly to Alaska Hydrotrain Dock. Eastern part of Port Valdez from the Ferry Terminal on the north to the Trans-Alaska Pipeline Terminal on the south. Controlling Depth: 12 feet in the small basin. Project Depth: 12 feet, except 20 feet at Ferry Terminal, 50 feet off the City Dock, 75 feet off the Valdez Dock, and 0.0 at Sontag & Alaska Hydrotrain Facilities. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	106,867	1990	95,953	1993	85,722	1996	77,116
1988	107,145	1991	99,616	1994	85,096		
1989	95,436	1992	93,737	1995	80,955		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Imports	Exports	Imports	Exports	Total	Coastwise	
							Receipts	Shipments
Total, all commodities	77,116	16	2,030	12	96	74,962	43	74,919
Total petroleum and petroleum products	77,002	16	2,030	12	---	74,943	28	74,916
Subtotal crude petroleum	76,572	---	1,920	---	---	74,652	---	74,652
2100 crude petroleum	76,572	---	1,920	---	---	74,652	---	74,652
Subtotal petroleum products	430	16	111	12	---	291	28	264
2211 gasoline	213	---	---	5	---	208	1	207
2221 kerosene	13	13	---	1	---	---	---	---
2330 distillate fuel oil	91	4	---	6	---	81	27	54
2340 residual fuel oil	112	---	111	---	---	1	---	1
2990 petro. products nec	1	---	---	---	---	1	---	1
Total chemicals and related products	1	---	---	---	---	1	1	0
Subtotal other chemicals and related products	1	---	---	---	---	1	1	0
3293 explosives	1	---	---	---	---	1	1	0
Total crude materials, inedible except fuels	99	---	---	---	96	3	---	3
Subtotal forest products, wood and chips	96	---	---	---	96	---	---	---
4170 wood in the rough	96	---	---	---	96	---	---	---
Subtotal iron ore and scrap	3	---	---	---	---	3	---	3
4420 iron & steel scrap	3	---	---	---	---	3	---	3
Total primary manufactured goods	0	---	---	---	---	0	0	0
Subtotal primary iron and steel products	0	---	---	---	---	0	0	---
5390 primary i&s nec	0	---	---	---	---	0	0	---
Subtotal primary non-ferrous metal products	0	---	---	---	---	0	0	0
5480 fab. metal products	0	---	---	---	---	0	0	0
Total all manufactured equipment, machinery and products	14	---	---	---	---	14	14	0
7900 manufac. prod. nec	14	---	---	---	---	14	14	0

SEWARD HARBOR, AK

Section Included: Alaska Railroad Dock, the Seward Boat Basin including the City Dock, and the Dry Bulk Terminal. Controlling Depth: 35 feet below mlw at the Railroad Dock; 15 feet in the 200 foot entrance channel to the boat basin and at the City Dock; 12.5 feet in the boat mooring area. The Dry Bulk Terminal has controlling depth of 58 feet mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	940	1990	846	1993	862	1996	877
1988	920	1991	1,181	1994	961		
1989	703	1992	686	1995	928		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign Exports	Domestic		
			Total	Coastwise	
				Receipts	Shipments
Total, all commodities	877	768	109	15	94
Total coal	664	664	---	---	---
1100 coal lignite	664	664	---	---	---

SEWARD HARBOR, AK
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign	Domestic		
		Exports	Total	Coastwise	
				Receipts	Shipments
Total petroleum and petroleum products	0	---	0	---	0
Subtotal petroleum products	0	---	0	---	0
2990 petro. products nec	0	---	0	---	0
Total chemicals and related products	38	37	1	1	0
Subtotal fertilizers	38	37	1	1	---
3110 nitrogenous fert.	38	37	1	1	---
Subtotal other chemicals and related products	0	0	0	---	0
3293 explosives	0	---	0	---	0
3297 chemical additives	0	0	---	---	---
Total crude materials, inedible except fuels	113	18	94	2	92
Subtotal forest products, wood and chips	19	12	6	2	4
4170 wood in the rough	16	12	4	---	4
4189 lumber	2	---	2	2	0
4190 forest products nec	0	---	0	0	---
Subtotal soil, sand, gravel, rock and stone	88	---	88	---	88
4331 sand & gravel	40	---	40	---	40
4335 waterway improv. mat	49	---	49	---	49
Subtotal non-ferrous ores and scrap	6	6	---	---	---
4690 non-ferrous ores nec	6	6	---	---	---
Total primary manufactured goods	4	---	4	3	0
Subtotal lime, cement and glass	3	---	3	3	0
5220 cement & concrete	0	---	0	---	0
5290 misc. mineral prod.	3	---	3	3	0
Subtotal primary iron and steel products	0	---	0	0	0
5370 i&s pipe & tube	0	---	0	0	0
5390 primary i&s nec	0	---	0	0	---
Subtotal primary non-ferrous metal products	0	---	0	0	---
5480 fab. metal products	0	---	0	0	---
Subtotal primary wood products	0	---	0	0	---
5540 primary wood prod.	0	---	0	0	---
Total food and farm products	48	48	0	0	---
Subtotal fish	47	47	---	---	---
6134 fish (not shellfish)	46	46	---	---	---
6136 shellfish	0	0	---	---	---
Subtotal other agricultural products	2	2	0	0	---
6811 meat, fresh, frozen	0	0	---	---	---
6835 fish, prepared	2	2	0	0	---
Total all manufactured equipment, machinery and products	10	0	10	8	2
7110 machinery (not elec)	7	0	7	6	2
7210 vehicles & parts	0	---	0	0	0
7220 aircraft & parts	0	---	0	---	0
7230 ships & boats	0	---	0	0	---
7400 manufac. wood prod.	2	---	2	2	0
7900 manufac. prod. nec	0	---	0	0	0
Total unknown or not elsewhere classified	0	0	---	---	---
9900 unknown or nec	0	0	---	---	---

HOMER, AK

Section Included: The northside of Kachemak Bay including the entire Homer Spit and small boat harbor. The commercial dock facility provides 300 feet of dock space with water depth ranging from 20 to 40 feet. The 750 boat small boat harbor has a depth ranging from 20 feet to 15 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	46	1990	119	1993	472	1996	397
1988	66	1991	82	1994	377		
1989	243	1992	287	1995	501		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign	Canadian		Domestic				
		Exports	Imports	Exports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Total, all commodities	397	317	1	39	40	4	20	15	1
Total petroleum and petroleum products	30	---	1	---	29	2	13	14	0
Subtotal petroleum products	30	---	1	---	29	2	13	14	0
2211 gasoline	1	---	---	---	1	1	0	0	0
2330 distillate fuel	28	---	---	---	28	2	13	14	0
oil									
2540 petroleum coke	0	---	---	---	0	---	---	---	0

HOMER, AK
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Exports	Imports	Exports	Imports	Total	Coastwise		Internal	
							Receipts	Shipments	Receipts	Shipments
2640 liquid natural gas	1	---	1	---	---	0	---	0	0	0
Total chemicals and related products	30	30	---	---	---	0	---	---	---	0
Subtotal fertilizers	30	30	---	---	---	---	---	---	---	---
3110 nitrogenous fert.	30	30	---	---	---	---	---	---	---	---
Subtotal other chemicals and related products	0	0	---	---	---	0	---	---	---	0
3282 pigments & paints	0	---	---	---	---	0	---	---	---	0
3285 perfumes & cleansers	0	0	---	---	---	---	---	---	---	---
3286 plastics	0	---	---	---	---	0	---	---	---	0
3293 explosives	0	---	---	---	---	0	---	---	---	0
Total crude materials, inedible except fuels	292	246	0	39	---	8	0	7	0	0
Subtotal forest products, wood and chips	292	246	0	39	---	8	0	7	0	0
4150 fuel wood	11	11	---	---	---	---	---	---	---	---
4161 wood chips	200	200	---	---	---	---	---	---	---	---
4170 wood in the rough	81	35	---	39	---	7	---	7	0	0
4189 lumber	0	---	0	---	---	0	0	0	---	0
Subtotal soil, sand, gravel, rock and stone	0	---	---	---	---	0	0	---	---	0
4310 building stone	0	---	---	---	---	0	0	---	---	---
4331 sand & gravel	0	---	---	---	---	0	---	---	---	0
Total primary manufactured goods	1	---	1	---	---	1	0	0	0	0
Subtotal paper products	0	---	---	---	---	0	---	---	---	0
5190 paper	0	---	---	---	---	0	---	---	---	0
products nec	---	---	---	---	---	---	---	---	---	---
Subtotal lime, cement and glass	1	---	1	---	---	0	0	0	---	0
5210 lime	1	---	1	---	---	---	---	---	---	---
5220 cement & concrete	0	---	---	---	---	0	---	---	---	0
5240 glass & glass prod.	0	---	---	---	---	0	0	---	---	---
5290 misc. mineral prod.	0	---	---	---	---	0	0	0	---	0
Subtotal primary iron and steel products	0	---	---	---	---	0	0	0	0	0
5360 i&s bars & shapes	0	---	---	---	---	0	---	---	---	0
5370 i&s pipe & tube	0	---	---	---	---	0	---	---	---	0
5390 primary i&s nec	0	---	---	---	---	0	0	---	---	---
Subtotal primary non-ferrous metal products	0	---	---	---	---	0	0	0	0	0
5480 fab. metal products	0	---	---	---	---	0	0	0	0	0
Total food and farm products	42	41	---	---	---	0	---	---	0	0
Subtotal fish	40	40	---	---	---	0	---	---	0	---
6134 fish (not shellfish)	37	37	---	---	---	0	---	---	0	---
6136 shellfish	3	3	---	---	---	0	---	---	0	---
Subtotal processed grain and animal feed	0	---	---	---	---	0	---	---	---	0
6782 animal feed, prep.	0	---	---	---	---	0	---	---	---	0
Subtotal other agricultural products	1	1	---	---	---	---	---	---	---	---
6835 fish, prepared	1	1	---	---	---	---	---	---	---	---

HOMER, AK
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign	Canadian		Domestic				
		Exports	Imports	Exports	Total	Coastwise		Internal	
						Receipts	Shipments	Receipts	Shipments
Total all manufactured equipment, machinery and products	3	0	---	---	3	2	0	0	1
7110 machinery (not elec)	1	0	---	---	1	0	0	0	0
7120 electrical machinery	0	---	---	---	0	---	---	0	0
7210 vehicles & parts	0	---	---	---	0	0	0	0	0
7230 ships & boats	0	---	---	---	0	0	---	0	0
7400 manufac. wood prod.	0	---	---	---	0	0	0	---	0
7500 textile products	0	0	---	---	---	---	---	---	---
7600 rubber & plastic pr.	0	---	---	---	0	---	---	---	0
7900 manufac. prod. nec	1	---	---	---	1	1	0	0	0
Total unknown or not elsewhere classified	0	0	---	---	---	---	---	---	---
9900 unknown or nec	0	0	---	---	---	---	---	---	---

ANCHORAGE, AK

Section Included: Knik Arm from the Municipal Terminal on the north to and including terminal facilities on Ship Creek. Controlling Depth: 35 feet off the face of the City Dock; the approach channel north of Fire Island, to Point Woronzof, 28.5 feet. Project Depth: 35 feet. All depths refer to mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	2,105	1990	1,706	1993	2,470	1996	3,401
1988	2,294	1991	2,309	1994	2,559		
1989	2,253	1992	2,540	1995	3,222		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Imports	Exports	Total	Coastwise		Internal Shipments	
					Receipts	Shipments		
Total, all commodities	3,400	298	838	2,264	1,922	331	11	
Total petroleum and petroleum products	1,255	207	347	700	521	168	11	
Subtotal petroleum products	1,255	207	347	700	521	168	11	
2211 gasoline	568	---	10	559	495	64	---	
2221 kerosene	207	---	---	---	---	---	---	
2330 distillate fuel oil	145	---	41	104	13	91	---	
2340 residual fuel oil	12	---	---	12	---	0	11	
2350 lube oil & greases	13	---	0	13	13	---	---	
2429 naphtha & solvents	309	---	296	13	---	13	---	
Total chemicals and related products	93	0	46	47	19	28	---	
Subtotal fertilizers	46	---	45	1	0	0	---	
3110 nitrogenous fert.	46	---	45	1	0	0	---	
Subtotal other chemicals and related products	46	0	0	46	19	27	---	
3219 other hydrocarbons	0	---	0	---	---	---	---	
3220 alcohols	23	---	---	23	5	19	---	
3230 carboxylic acids	0	0	---	---	---	---	---	
3260 organic comp. nec	0	0	---	---	---	---	---	
3274 sodium hydroxide	0	---	0	---	---	---	---	
3275 inorg. elem., oxides, & halogen salts	0	---	0	---	---	---	---	
3282 pigments & paints	0	---	0	---	---	---	---	
3285 perfumes & cleansers	0	---	0	---	---	---	---	
3286 plastics	0	0	0	0	0	---	---	
3297 chemical additives	0	---	0	---	---	---	---	
3299 chem. products nec	23	---	---	23	14	9	---	
Total crude materials, inedible except fuels	446	20	399	27	22	5	---	
Subtotal forest products, wood and chips	365	---	343	22	22	0	---	
4170 wood in the rough	343	---	343	---	---	---	---	
4189 lumber	20	---	---	20	20	0	---	
4190 forest products nec	2	---	0	2	2	---	---	
Subtotal soil, sand, gravel, rock and stone	2	---	2	---	---	---	---	
4327 phosphate rock	2	---	2	---	---	---	---	
4331 sand & gravel	0	---	0	---	---	---	---	

ANCHORAGE, AK
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic			
		Imports	Exports	Total	Coastwise		Internal Shipments
					Receipts	Shipments	
Subtotal iron ore and scrap	5	---	---	5	---	5	---
4420 iron & steel scrap	5	---	---	5	---	5	---
Subtotal non-ferrous ores and scrap	53	---	53	---	---	---	---
4690 non-ferrous ores nec	53	---	53	---	---	---	---
Subtotal other non-metal. min.	21	20	0	0	---	0	---
4900 non-metal. min. nec	21	20	0	0	---	0	---
Total primary manufactured goods	171	68	1	102	99	4	---
Subtotal paper products	11	0	0	11	11	---	---
5190 paper products nec	11	0	0	11	11	---	---
Subtotal lime, cement and glass	104	67	1	36	35	0	---
5220 cement & concrete	84	67	---	16	16	---	---
5240 glass & glass prod.	1	---	---	1	1	---	---
5290 misc. mineral prod.	20	---	1	19	19	0	---
Subtotal primary iron and steel products	1	---	---	1	1	0	---
5370 i&s pipe & tube	0	---	---	0	0	0	---
5390 primary i&s nec	0	---	---	0	0	0	---
Subtotal primary non-ferrous metal products	44	0	0	44	41	3	---
5421 copper	0	0	---	---	---	---	---
5480 fab. metal products	44	0	0	44	41	3	---
Subtotal primary wood products	11	---	---	11	11	0	---
5540 primary wood prod.	11	---	---	11	11	0	---
Total food and farm products	980	2	45	933	913	19	---
Subtotal fish	58	2	39	17	---	17	---
6134 fish (not shellfish)	57	0	39	17	---	17	---
6136 shellfish	2	2	0	---	---	---	---
Subtotal vegetable products	0	---	0	---	---	---	---
6653 vegetable oils	0	---	0	---	---	---	---
6654 vegetables & prod.	0	---	0	---	---	---	---
Subtotal processed grain and animal feed	2	---	2	---	---	---	---
6747 grain mill products	0	---	0	---	---	---	---
6782 animal feed, prep.	2	---	2	---	---	---	---
Subtotal other agricultural products	919	---	4	915	913	2	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---
6817 meat, prepared	0	---	0	---	---	---	---
6835 fish, prepared	5	---	4	2	---	2	---
6838 tallow, animal oils	0	---	0	---	---	---	---
6839 animals & prod. nec	568	---	0	568	568	0	---
6857 fruit & nuts nec	0	---	0	---	---	---	---
6885 alcoholic beverages	0	---	0	---	---	---	---
6887 groceries	345	---	---	345	345	0	---
6889 food products nec	0	---	0	---	---	---	---
6891 tobacco & products	0	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	434	0	1	433	332	101	0
7110 machinery (not elec)	4	0	0	4	2	1	0
7120 electrical machinery	0	0	0	0	0	0	---
7210 vehicles & parts	49	---	1	48	34	14	---
7220 aircraft & parts	0	---	---	0	---	0	---
7230 ships & boats	0	---	0	0	0	0	---
7400 manufac. wood prod.	16	---	0	16	15	0	---
7500 textile products	0	0	0	---	---	---	---
7600 rubber & plastic pr.	0	0	0	0	0	---	---
7900 manufac. prod. nec	365	0	0	365	279	85	0
Total unknown or not elsewhere classified	23	0	0	22	17	6	---
9900 unknown or nec	23	0	0	22	17	6	---

KODIAK HARBOR, AK

Section Included: Channel 200 feet wide between Near Island and Kodiak Island to the King Crab, Inc. Dock in St. Paul Harbor including the boat basin. Controlling Depth: about 25 feet in the channel and 12 feet in the boat basin; 30 feet in St. Paul Harbor.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	437	1990	443	1993	525	1996	766
1988	287	1991	571	1994	569		
1989	298	1992	490	1995	696		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Exports	Domestic		
		Imports	Exports		Total	Coastwise	
				Receipts		Shipments	
Total, all commodities	766	103	444	20	198	159	39
Total petroleum and petroleum products	176	103	0	20	52	42	10
Subtotal crude petroleum	103	103	---	---	---	---	---
2100 crude petroleum	103	103	---	---	---	---	---

KODIAK HARBOR, AK
Freight Traffic, 1996 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Imports	Exports	Exports	Total	Coastwise	
						Receipts	Shipments
Subtotal petroleum products	72	---	0	20	52	42	10
2211 gasoline	61	---	---	20	41	37	4
2330 distillate fuel oil	11	---	---	---	11	5	6
2350 lube oil & greases	0	---	0	---	0	---	0
2640 liquid natural gas	0	---	---	---	0	---	0
Total chemicals and related products	14	---	13	---	1	0	1
Subtotal fertilizers	12	---	12	---	---	---	---
3120 phosphatic fert.	7	---	7	---	---	---	---
3190 fert. & mixes nec	5	---	5	---	---	---	---
Subtotal other chemicals and related products	2	---	0	---	1	0	1
3276 metallic salts	0	---	0	---	---	---	---
3282 pigments & paints	0	---	0	---	---	---	---
3285 perfumes & cleansers	0	---	0	---	---	---	---
3286 plastics	0	---	0	---	1	0	1
3299 chem. products nec	1	---	---	---	1	0	1
Total crude materials, inedible except fuels	477	---	395	---	82	82	0
Subtotal forest products, wood and chips	3	---	3	---	0	---	0
4170 wood in the rough	3	---	3	---	---	---	---
4189 lumber	0	---	---	---	0	---	0
Subtotal soil, sand, gravel, rock and stone	82	---	---	---	82	82	---
4331 sand & gravel	33	---	---	---	33	33	---
4335 waterway improv. mat	49	---	---	---	49	49	---
Subtotal non-ferrous ores and scrap	392	---	392	---	---	---	---
4690 non-ferrous ores nec	392	---	392	---	---	---	---
Subtotal other non-metal. min.	0	---	---	---	0	0	---
4900 non-metal. min. nec	0	---	---	---	0	0	---
Total primary manufactured goods	1	---	0	---	0	0	0
Subtotal paper products	0	---	0	---	0	0	---
5190 paper products nec	0	---	0	---	0	0	---
Subtotal lime, cement and glass	0	---	---	---	0	---	0
5290 misc. mineral prod.	0	---	---	---	0	---	0
Subtotal primary iron and steel products	0	---	0	---	0	---	0
5320 i&s primary forms	0	---	0	---	---	---	---
5370 i&s pipe & tube	0	---	---	---	0	---	0
Subtotal primary non-ferrous metal products	0	---	0	---	0	0	0
5480 fab. metal products	0	---	0	---	0	0	0
Total food and farm products	65	---	36	---	29	23	5
Subtotal fish	41	---	35	---	5	---	5
6134 fish (not shellfish)	40	---	35	---	5	---	5
6136 shellfish	0	---	0	---	---	---	---
Subtotal vegetable products	0	---	0	---	0	0	---
6653 vegetable oils	0	---	0	---	---	---	---
6654 vegetables & prod.	0	---	---	---	0	0	---
Subtotal processed grain and animal feed	1	---	1	---	0	---	0
6747 grain mill products	0	---	0	---	0	---	0
6781 hay & fodder	0	---	---	---	0	---	0
6782 animal feed, prep.	1	---	1	---	---	---	---
Subtotal other agricultural products	24	---	0	---	23	23	0
6811 meat, fresh, frozen	0	---	---	---	0	0	---
6835 fish, prepared	0	---	0	---	0	---	0
6839 animals & prod. nec	23	---	0	---	23	23	0
6858 fruit juices	0	---	---	---	0	0	---
6889 food products nec	0	---	0	---	---	---	---
Total all manufactured equipment, machinery and products	34	---	0	---	34	11	23
7110 machinery (not elec)	0	---	0	---	0	---	0
7120 electrical machinery	0	---	0	---	0	---	0
7210 vehicles & parts	0	---	---	---	0	0	0
7230 ships & boats	0	---	0	---	0	---	0
7400 manufac. wood prod.	0	---	---	---	0	---	0
7500 textile products	0	---	0	---	---	---	---
7600 rubber & plastic pr.	0	---	---	---	0	---	0
7900 manufac. prod. nec	34	---	0	---	34	11	23
Total unknown or not elsewhere classified	1	---	---	---	1	1	---
9900 unknown or nec	1	---	---	---	1	1	---

UNALASKA BAY AND ISLAND, AK

Section Included: Entire harbor. Controlling Depth: 25 feet in entrance channel at mean lower low water. Project Depth: 25 feet at mean lower low water.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1987	358	1990	945	1993	1,035	1996	939
1988	388	1991	1,205	1994	861		
1989	735	1992	1,179	1995	743		

Freight Traffic, 1996 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Imports	Exports	Imports	Total	Coastwise		Internal Intraport
						Receipts	Shipments	
Total, all commodities	939	8	434	42	454	259	149	46
Total coal	87	---	87	---	---	---	---	---
1100 coal lignite	87	---	87	---	---	---	---	---
Total petroleum and petroleum products	245	---	0	13	232	162	31	38
Subtotal petroleum products	245	---	0	13	232	162	31	38
2211 gasoline	41	---	---	2	39	23	12	4
2221 kerosene	3	---	---	3	0	0	---	---
2330 distillate fuel oil	192	---	---	2	190	139	19	32
2340 residual fuel oil	3	---	---	---	3	---	1	2
2350 lube oil & greases	0	---	0	---	0	0	---	---
2429 naphtha & solvents	0	---	---	---	0	---	---	0
2430 asphalt, tar & pitch	1	---	---	1	---	---	---	---
2540 petroleum coke	0	---	---	---	0	---	---	0
2640 liquid natural gas	5	---	---	5	0	0	---	---
2990 petro. products nec	0	---	---	---	0	0	---	---
Total chemicals and related products	55	1	44	9	2	1	0	---
Subtotal fertilizers	44	---	42	2	---	---	---	---
3110 nitrogenous fert.	42	---	42	---	---	---	---	---
3130 potassic fert.	2	---	---	2	---	---	---	---
Subtotal other chemicals and related products	11	1	1	7	2	1	0	---
3211 acyclic hydrocarbons	0	---	0	---	0	0	---	---
3219 other hydrocarbons	0	0	---	---	0	0	---	---
3220 alcohols	7	---	---	7	0	0	---	---
3240 nitrogen func. comp.	0	0	---	---	---	---	---	---
3250 organo-inorganic comp.	0	---	0	---	---	---	---	---
3260 organic comp. nec	0	0	---	---	---	---	---	---
3273 ammonia	0	---	---	---	0	0	---	---
3274 sodium hydroxide	0	---	---	---	0	0	---	---
3275 inorg. elem. oxides, & halogen salts	0	0	---	---	0	0	0	---
3276 metallic salts	1	0	1	---	---	---	---	---
3281 radioactive material	0	0	---	---	---	---	---	---
3282 pigments & paints	1	---	---	---	1	1	0	---
3283 coloring mat. nec	0	0	0	---	---	---	---	---
3284 medicines	0	---	0	0	0	0	---	---
3285 perfumes & cleansers	0	0	0	---	0	0	---	---
3286 plastics	0	0	0	---	---	---	---	---
3291 pesticides	0	---	0	---	---	---	---	---
3293 explosives	0	---	---	0	0	0	---	---
3299 chem. products nec	0	0	0	---	0	0	0	---
Total crude materials, inedible except fuels	54	0	35	8	11	2	10	---
Subtotal forest products, wood and chips	42	0	35	6	0	0	---	---
4161 wood chips	12	---	12	---	---	---	---	---
4170 wood in the rough	29	---	23	6	0	0	---	---
4189 lumber	1	0	0	0	0	0	---	---
4190 forest products nec	0	0	0	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	4	---	0	1	2	---	2	---
4331 sand & gravel	4	---	0	1	2	---	2	---
Subtotal iron ore and scrap	8	---	---	---	8	---	8	---
4420 iron & steel scrap	8	---	---	---	8	---	8	---
Subtotal non-ferrous ores and scrap	0	0	0	---	---	---	---	---
4690 non-ferrous ores nec	0	0	0	---	---	---	---	---
Subtotal sulphur, clay and salt	0	---	0	---	---	---	---	---
4782 clay & refrac. mat.	0	---	0	---	---	---	---	---
Subtotal other non-metal. min.	1	---	---	---	1	1	0	---
4900 non-metal. min. nec	1	---	---	---	1	1	0	---
Total primary manufactured goods	29	2	1	11	15	10	6	0
Subtotal paper products	2	0	0	0	2	2	0	0
5110 newsprint	0	---	0	---	---	---	---	---
5120 paper & paperboard	0	---	0	---	---	---	---	---
5190 paper products nec	2	0	0	0	2	2	0	0

UNALASKA BAY AND ISLAND, AK
 Freight Traffic, 1996 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intraport
		Imports	Exports	Imports	Total	Coastwise		
						Receipts	Shipments	
Subtotal lime, cement and glass	6	0	---	5	0	0	0	---
5210 lime	1	---	---	1	---	---	---	---
5220 cement & concrete	4	---	---	4	---	---	---	---
5240 glass & glass prod.	0	0	---	0	---	---	---	---
5290 misc. mineral prod.	1	0	---	0	0	0	0	---
Subtotal primary iron and steel products	2	1	0	1	0	0	0	---
5330 i&s plates & sheets	2	1	---	1	---	---	---	---
5360 i&s bars & shapes	0	0	---	0	---	---	---	---
5370 i&s pipe & tube	0	0	0	---	0	0	0	---
Subtotal primary non-ferrous metal products	14	1	0	0	13	8	5	0
5421 copper	0	0	---	---	---	---	---	---
5422 aluminum	0	0	0	---	---	---	---	---
5429 smelted prod. nec	0	---	---	---	0	0	---	---
5480 fab. metal products	14	1	0	0	13	8	5	0
Subtotal primary wood products	5	---	---	5	0	0	---	---
5540 primary wood prod.	5	---	---	5	0	0	---	---
Total food and farm products	374	4	266	0	104	70	27	8
Subtotal fish	262	2	207	0	53	25	26	2
6134 fish (not shellfish)	225	0	200	0	25	1	24	0
6136 shellfish	37	1	7	0	29	24	2	2
Subtotal vegetable products	1	1	0	---	0	0	0	---
6653 vegetable oils	0	0	---	---	---	---	---	---
6654 vegetables & prod.	1	1	0	---	0	0	0	---
Subtotal processed grain and animal feed	44	0	39	0	4	---	---	4
6747 grain mill products	0	0	0	---	---	---	---	---
6781 hay & fodder	0	---	---	0	---	---	---	---
6782 animal feed, prep.	44	---	39	---	4	---	---	4
Subtotal other agricultural products	67	2	20	---	46	45	1	1
6811 meat, fresh, frozen	1	0	0	---	1	1	0	---
6822 dairy products	0	---	---	---	0	0	---	---
6835 fish, prepared	14	---	14	---	1	---	---	1
6838 tallow, animal oils	0	---	0	---	---	---	---	---
6839 animals & prod. nec	43	0	2	---	41	41	1	---
6857 fruit & nuts nec	0	---	0	---	---	---	---	---
6858 fruit juices	0	0	---	---	0	0	0	---
6885 alcoholic beverages	2	1	0	---	0	0	---	---
6887 groceries	3	---	---	---	3	3	0	0
6889 food products nec	3	0	3	---	0	0	---	---
6891 tobacco & products	0	---	---	---	0	0	---	---
6893 cotton	0	---	0	---	---	---	---	---
6899 farm products nec	0	---	---	---	0	0	---	---
Total all manufactured equipment, machinery and products	93	2	2	0	90	14	75	0
7110 machinery (not elec)	7	0	0	0	6	3	4	0
7120 electrical machinery	0	0	0	0	0	0	0	---
7210 vehicles & parts	1	0	0	0	0	0	0	---
7220 aircraft & parts	0	---	0	---	---	---	---	---
7230 ships & boats	0	---	---	---	0	---	0	---
7400 manufac. wood prod.	0	0	0	---	0	0	0	---
7500 textile products	2	1	1	0	0	0	---	---
7600 rubber & plastic pr.	0	0	0	0	0	0	0	0
7900 manufac. prod. nec	83	0	0	0	83	11	71	0
Total unknown or not elsewhere classified	1	0	0	0	0	0	0	---
9900 unknown or nec	1	0	0	0	0	0	0	---

Other Harbors and Waterways 1996

Harbor or Waterway Project	Commodity	Thousand Short Tons	
BETHEL HARBOR, AK	1100 coal lignite	0	
	2211 gasoline	29	
	2330 distillate fuel oil	15	
	2340 residual fuel oil	0	
	2350 lube oil & greases	0	
	2540 petroleum coke	1	
	2640 liquid natural gas	0	
	2990 petro. products nec	0	
	3110 nitrogenous fert.	0	
	3220 alcohols	0	
	3275 inorg. elem. oxides, & halogen salts	0	
	3276 metallic salts	0	
	3282 pigments & paints	0	
	3285 perfumes & cleansers	0	
	3286 plastics	0	
	3293 explosives	0	
	3299 chem. products nec	0	
	4170 wood in the rough	0	
	4189 lumber	2	
	4323 gypsum	0	
	4331 sand & gravel	113	
	4680 non-ferrous scrap	0	
	4900 non-metal. min. nec	0	
	5190 paper products nec	0	
	5220 cement & concrete	0	
	5240 glass & glass prod.	0	
	5290 misc. mineral prod.	1	
	5330 i&s plates & sheets	0	
	5360 i&s bars & shapes	0	
	5370 i&s pipe & tube	0	
	5480 fab. metal products	4	
	5540 primary wood prod.	1	
	6134 fish (not shellfish)	1	
	6782 animal feed, prep.	0	
	6887 groceries	1	
	7110 machinery (not elec)	10	
	7120 electrical machinery	0	
	7210 vehicles & parts	1	
	7230 ships & boats	0	
	7400 manufac. wood prod.	1	
	7500 textile products	0	
	7600 rubber & plastic pr.	0	
	7900 manufac. prod. nec	3	

		Total Tons(x1000)	184
CORDOVA HARBOR, AK	4170 wood in the rough	14	
	6134 fish (not shellfish)	2	
	7110 machinery (not elec)	0	
	7900 manufac. prod. nec	0	

	Total Tons(x1000)	16	
CRAIG HARBOR, AK	2211 gasoline	3	
	2330 distillate fuel oil	2	
	4310 building stone	3	
	4331 sand & gravel	8	
	4420 iron & steel scrap	3	
	5480 fab. metal products	0	
	6134 fish (not shellfish)	6	
	7110 machinery (not elec)	1	
	7210 vehicles & parts	0	
7900 manufac. prod. nec	0		

	Total Tons(x1000)	25	
DILLINGHAM HARBOR, AK	2211 gasoline	5	
	2330 distillate fuel oil	3	
	2350 lube oil & greases	0	
	2990 petro. products nec	0	
	3110 nitrogenous fert.	0	
	3276 metallic salts	0	
	3282 pigments & paints	0	
	4189 lumber	1	
4680 non-ferrous scrap	0		
4900 non-metal. min. nec	0		

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
DILLINGHAM HARBOR, AK - continued	5190 paper products nec	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	1
	5370 i&s pipe & tube	0
	5480 fab. metal products	1
	5540 primary wood prod.	0
	6134 fish (not shellfish)	0
	6136 shellfish	3
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	2
	6858 fruit juices	0
	6885 alcoholic beverages	0
	6887 groceries	0
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7220 aircraft & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	1
7500 textile products	0	
7900 manufac. prod. nec	3	
	Total Tons(x1000)	22
DOUGLAS HARBOR, AK	8900 waste and scrap nec	1
	Total Tons(x1000)	1
DRY PASS, AK	No Commerce Reported	
EGEGIK RIVER, AK	2211 gasoline	0
	2330 distillate fuel oil	1
	4189 lumber	0
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5290 misc. mineral prod.	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	0
	6136 shellfish	1
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	0
	6858 fruit juices	0
	6885 alcoholic beverages	1
	6887 groceries	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	0
	7900 manufac. prod. nec	1
	Total Tons(x1000)	5
ELFIN COVE HARBOR, AK	2211 gasoline	0
	2330 distillate fuel oil	0
	Total Tons(x1000)	0
GASTINEAU CHANNEL, AK	No Commerce Reported	
HOONAH HARBOR, AK	2211 gasoline	1
	2330 distillate fuel oil	1
	4170 wood in the rough	232
	4331 sand & gravel	2
	5190 paper products nec	0
	5480 fab. metal products	2
	6134 fish (not shellfish)	1
	6889 food products nec	0
	7110 machinery (not elec)	0
	7400 manufac. wood prod.	0
	7900 manufac. prod. nec	2
		Total Tons(x1000)

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
HUMBOLDT HARBOR, AK	2211 gasoline	1
	2330 distillate fuel oil	6
	2350 lube oil & greases	0
	3220 alcohols	0
	3282 pigments & paints	0
	3286 plastics	0
	3293 explosives	0
	4189 lumber	0
	4331 sand & gravel	3
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5290 misc. mineral prod.	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	1
	6134 fish (not shellfish)	0
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6822 dairy products	0
	6858 fruit juices	0
	6887 groceries	0
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7400 manufac. wood prod.	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	1
	9900 unknown or nec	0
		Total Tons(x1000)
KAKE HARBOR, AK	2211 gasoline	1
	2330 distillate fuel oil	1
	2350 lube oil & greases	0
	3220 alcohols	0
	3282 pigments & paints	0
	3286 plastics	0
	3293 explosives	0
	3299 chem. products nec	0
	4170 wood in the rough	52
	4189 lumber	0
	4190 forest products nec	0
	4420 iron & steel scrap	5
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	0
	5360 i&s bars & shapes	0
	5480 fab. metal products	0
	5540 primary wood prod.	0
	6134 fish (not shellfish)	0
	6885 alcoholic beverages	0
	6887 groceries	0
	6889 food products nec	0
	7110 machinery (not elec)	3
	7120 electrical machinery	0
	7210 vehicles & parts	0
7230 ships & boats	0	
7600 rubber & plastic pr.	0	
7900 manufac. prod. nec	2	
	Total Tons(x1000)	65
KING COVE LAGOON, AK	2330 distillate fuel oil	1
	2350 lube oil & greases	0
	3286 plastics	0
	4189 lumber	0
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5290 misc. mineral prod.	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	1
	6134 fish (not shellfish)	0
6654 vegetables & prod.	0	
6811 meat, fresh, frozen	0	

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
KING COVE LAGOON, AK - continued	6858 fruit juices	0
	6885 alcoholic beverages	0
	6887 groceries	1
	6889 food products nec	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7400 manufac. wood prod.	0
	7900 manufac. prod. nec	2
	Total Tons(x1000)	5
	NAKNEK RIVER, AK	2211 gasoline
2330 distillate fuel oil		6
2350 lube oil & greases		0
2640 liquid natural gas		0
2990 petro. products nec		0
3110 nitrogenous fert.		0
3220 alcohols		0
3273 ammonia		0
3279 inorganic chem. nec		0
3282 pigments & paints		0
3285 perfumes & cleansers		0
3286 plastics		0
3299 chem. products nec		0
4170 wood in the rough		13
4189 lumber		1
4331 sand & gravel		0
4420 iron & steel scrap		0
4782 clay & refrac. mat.		0
4900 non-metal. min. nec		1
5190 paper products nec		1
5220 cement & concrete		0
5240 glass & glass prod.		0
5290 misc. mineral prod.		1
5330 i&s plates & sheets		0
5360 i&s bars & shapes		0
5370 i&s pipe & tube		0
5480 fab. metal products		7
5540 primary wood prod.		0
6134 fish (not shellfish)		5
6136 shellfish		13
6654 vegetables & prod.		0
6811 meat, fresh, frozen		0
6835 fish, prepared		5
6858 fruit juices		0
6885 alcoholic beverages		0
6887 groceries		1
6889 food products nec		0
6894 natural fibers nec		0
7110 machinery (not elec)		1
7120 electrical machinery		0
7210 vehicles & parts		0
7230 ships & boats		1
7400 manufac. wood prod.		1
7500 textile products		0
7600 rubber & plastic pr.		0
7900 manufac. prod. nec		13
9900 unknown or nec		0
Total Tons(x1000)		78
Total Ton-miles(x1000)		298
NINILCHIK HARBOR, AK		2330 distillate fuel oil
	4189 lumber	0
	5290 misc. mineral prod.	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	0
	7900 manufac. prod. nec	0
Total Tons(x1000)	0	
NOME, AK	2211 gasoline	12
	2340 residual fuel oil	0
	2350 lube oil & greases	1
	2429 naphtha & solvents	0
		0

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons	
NOME, AK - continued	2640 liquid natural gas	0	
	2990 petro. products nec	0	
	3110 nitrogenous fert.	1	
	3211 acyclic hydrocarbons	0	
	3220 alcohols	0	
	3275 inorg. elem. oxides, & halogen salts	0	
	3276 metallic salts	0	
	3282 pigments & paints	0	
	3285 perfumes & cleansers	0	
	3286 plastics	0	
	3299 chem. products nec	0	
	4170 wood in the rough	0	
	4189 lumber	2	
	4331 sand & gravel	0	
	4420 iron & steel scrap	0	
	4680 non-ferrous scrap	0	
	4900 non-metal. min. nec	0	
	5190 paper products nec	0	
	5220 cement & concrete	0	
	5240 glass & glass prod.	0	
	5290 misc. mineral prod.	1	
	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	
	6781 hay & fodder	0	
	6782 animal feed, prep.	0	
	6835 fish, prepared	0	
	6885 alcoholic beverages	1	
	6887 groceries	0	
	6889 food products nec	0	
	7110 machinery (not elec)	4	
	7120 electrical machinery	0	
	7210 vehicles & parts	0	
	7220 aircraft & parts	0	
	7230 ships & boats	0	
	7400 manufac. wood prod.	1	
	7500 textile products	0	
	7600 rubber & plastic pr.	0	
	7900 manufac. prod. nec	1	
	8900 waste and scrap nec	0	
		Total Tons(x1000)	27
	OLD HARBOR, AK	2211 gasoline	0
		2330 distillate fuel oil	0
4189 lumber		0	
5480 fab. metal products		0	
7210 vehicles & parts		0	
7230 ships & boats		0	
	Total Tons(x1000)	0	
PELICAN HARBOR, AK	2211 gasoline	0	
	2330 distillate fuel oil	1	
	6134 fish (not shellfish)	0	
	7900 manufac. prod. nec	0	
	Total Tons(x1000)	2	
PETERSBURG HARBOR, AK	2211 gasoline	3	
	2330 distillate fuel oil	13	
	2640 liquid natural gas	0	
	3110 nitrogenous fert.	0	
	3190 fert. & mixes nec	0	
	3220 alcohols	0	
	3282 pigments & paints	0	
	3286 plastics	0	
	3293 explosives	0	
	3299 chem. products nec	0	
	4189 lumber	1	
	4420 iron & steel scrap	3	
	4900 non-metal. min. nec	0	
5190 paper products nec	1		
5220 cement & concrete	0		

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
PETERSBURG HARBOR, AK - continued	5240 glass & glass prod.	0
	5290 misc. mineral prod.	1
	5370 i&s pipe & tube	0
	5480 fab. metal products	4
	6134 fish (not shellfish)	4
	6136 shellfish	0
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	8
	6858 fruit juices	0
	6885 alcoholic beverages	0
	6887 groceries	0
	6889 food products nec	1
	7110 machinery (not elec)	3
	7120 electrical machinery	0
	7210 vehicles & parts	1
	7230 ships & boats	0
	7400 manufac. wood prod.	0
	7500 textile products	0
	7600 rubber & plastic pr.	0
7900 manufac. prod. nec	11	
	-----	58
Total Tons(x1000)		58
PORT ALEXANDER, AK	No Commerce Reported	
SELDOVIA HARBOR, AK	2330 distillate fuel oil	1
	5480 fab. metal products	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	1
	7230 ships & boats	0

Total Tons(x1000)		2
SERGIUS AND WHITESTONE NARROWS, AK	2211 gasoline	12
	2330 distillate fuel oil	8
	2350 lube oil & greases	1
	2430 asphalt, tar & pitch	0
	2640 liquid natural gas	0
	2990 petro. products nec	1
	3110 nitrogenous fert.	1
	3190 fert. & mixes nec	0
	3220 alcohols	0
	3282 pigments & paints	1
	3286 plastics	0
	3293 explosives	1
	3299 chem. products nec	2
	4150 fuel wood	0
	4189 lumber	6
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	6
	4420 iron & steel scrap	0
	4900 non-metal. min. nec	2
	5190 paper products nec	3
	5220 cement & concrete	6
	5240 glass & glass prod.	1
	5290 misc. mineral prod.	3
	5370 i&s pipe & tube	1
	5390 primary i&s nec	0
	5480 fab. metal products	14
	5540 primary wood prod.	2
	6134 fish (not shellfish)	7
	6136 shellfish	1
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	0
6858 fruit juices	0	
6885 alcoholic beverages	2	
6887 groceries	6	
6888 water & ice	0	
6889 food products nec	8	
7110 machinery (not elec)	6	
7120 electrical machinery	3	
7210 vehicles & parts	5	
7220 aircraft & parts	0	

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SERGIUS AND WHITESTONE NARROWS, AK - continued	7230 ships & boats	1
	7400 manufac. wood prod.	6
	7500 textile products	2
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	49
	8900 waste and scrap nec	0

	Total Tons(x1000)	169
	Total Ton-miles(x1000)	1,605
	SITKA HARBOR, AK	2211 gasoline
2330 distillate fuel oil		3
2350 lube oil & greases		0
2430 asphalt, tar & pitch		0
2640 liquid natural gas		0
2990 petro. products nec		0
3190 fert. & mixes nec		0
3282 pigments & paints		0
3286 plastics		0
3293 explosives		0
3299 chem. products nec		1
4189 lumber		2
4225 pulp & waste paper		0
4331 sand & gravel		6
4900 non-metal. min. nec		0
5190 paper products nec		1
5220 cement & concrete		0
5240 glass & glass prod.		0
5290 misc. mineral prod.		1
5480 fab. metal products		1
6134 fish (not shellfish)		9
6136 shellfish		1
6654 vegetables & prod.		0
6811 meat, fresh, frozen		0
6835 fish, prepared		0
6858 fruit juices		0
6885 alcoholic beverages		0
6887 groceries		5
6888 water & ice		0
6889 food products nec		2
7110 machinery (not elec)		2
7120 electrical machinery		1
7210 vehicles & parts		2
7230 ships & boats		0
7400 manufac. wood prod.		1
7500 textile products		0
7600 rubber & plastic pr.	0	
7900 manufac. prod. nec	12	
8900 waste and scrap nec	0	

Total Tons(x1000)	57	
STIKINE RIVER, AK	4331 sand & gravel	14
	5540 primary wood prod.	1
	6136 shellfish	1
	7110 machinery (not elec)	1

Total Tons(x1000)	16	
WRANGELL HARBOR, AK	1100 coal lignite	0
	2211 gasoline	1
	2330 distillate fuel oil	4
	2350 lube oil & greases	0
	2430 asphalt, tar & pitch	0
	2640 liquid natural gas	0
	2990 petro. products nec	0
	3110 nitrogenous fert.	0
	3282 pigments & paints	0
	3286 plastics	0
	3293 explosives	0
	3299 chem. products nec	0
	4110 rubber & gums	0
	4150 fuel wood	7
	4170 wood in the rough	0
	4189 lumber	1
4190 forest products nec	0	
4225 pulp & waste paper	0	

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
WRANGELL HARBOR, AK - continued	4331 sand & gravel	14
	4420 iron & steel scrap	6
	4690 non-ferrous ores nec	0
	4900 non-metal, min. nec	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	0
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	2
	5540 primary wood prod.	1
	6134 fish (not shellfish)	1
	6136 shellfish	1
	6835 fish, prepared	1
	6885 alcoholic beverages	0
	6887 groceries	0
	6889 food products nec	6
	7110 machinery (not elec)	4
	7120 electrical machinery	0
	7210 vehicles & parts	1
	7230 ships & boats	0
	7400 manufac. wood prod.	1
7500 textile products	0	
7600 rubber & plastic pr.	0	
7900 manufac. prod. nec	5	
	Total Tons(x1000)	59
Non-project		
CHATHAM STRAIT, AK	2100 crude petroleum	103
	2211 gasoline	9
	2330 distillate fuel oil	18
	2350 lube oil & greases	0
	2430 asphalt, tar & pitch	0
	2540 petroleum coke	1
	2640 liquid natural gas	0
	2990 petro. products nec	0
	3110 nitrogenous fert.	0
	3190 fert. & mixes nec	0
	3220 alcohols	0
	3282 pigments & paints	0
	3286 plastics	0
	3293 explosives	1
	3299 chem. products nec	1
	4170 wood in the rough	483
	4189 lumber	2
	4331 sand & gravel	6
	4420 iron & steel scrap	9
	4900 non-metal, min. nec	0
	5190 paper products nec	1
	5220 cement & concrete	3
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	1
	5370 i&s pipe & tube	0
	5480 fab. metal products	5
	5540 primary wood prod.	2
	6134 fish (not shellfish)	6
	6136 shellfish	1
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	0
	6858 fruit juices	0
	6885 alcoholic beverages	0
	6887 groceries	5
	6888 water & ice	0
	6889 food products nec	4
	7110 machinery (not elec)	9
	7120 electrical machinery	1
	7210 vehicles & parts	2
7220 aircraft & parts	0	
7230 ships & boats	0	
7400 manufac. wood prod.	1	
7500 textile products	0	
7600 rubber & plastic pr.	0	
7900 manufac. prod. nec	29	
8900 waste and scrap nec	0	
	Total Tons(x1000)	707
	Total Ton-miles(x1000)	26,955

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
CLARENCE STRAIT, AK	1100 coal lignite	0
	2211 gasoline	32
	2330 distillate fuel oil	78
	2350 lube oil & greases	2
	2430 asphalt, tar & pitch	0
	2540 petroleum coke	1
	2640 liquid natural gas	3
	2990 petro. products nec	1
	3110 nitrogenous fert.	2
	3190 fert. & mixes nec	0
	3220 alcohols	1
	3275 inorg. elem., oxides, & halogen salts	0
	3282 pigments & paints	2
	3286 plastics	1
	3293 explosives	1
	3299 chem. products nec	3
	4110 rubber & gums	0
	4150 fuel wood	8
	4170 wood in the rough	908
	4189 lumber	47
	4190 forest products nec	1
	4225 pulp & waste paper	0
	4338 soil & fill dirt	0
	4420 iron & steel scrap	7
	4690 non-ferrous ores nec	0
	4900 non-metal. min. nec	2
	5120 paper & paperboard	0
	5190 paper products nec	6
	5220 cement & concrete	6
	5240 glass & glass prod.	2
	5290 misc. mineral prod.	9
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	1
	5390 primary i&s nec	0
	5480 fab. metal products	21
	5540 primary wood prod.	2
	6134 fish (not shellfish)	16
	6136 shellfish	1
	6654 vegetables & prod.	0
	6781 hay & fodder	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	10
	6858 fruit juices	0
	6885 alcoholic beverages	4
	6887 groceries	14
	6888 water & ice	0
	6889 food products nec	21
	6899 farm products nec	0
	7110 machinery (not elec)	24
	7120 electrical machinery	4
	7210 vehicles & parts	10
	7220 aircraft & parts	0
	7230 ships & boats	1
	7300 ordnance & access.	0
	7400 manufac. wood prod.	13
	7500 textile products	2
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	87
	8900 waste and scrap nec	0
	Total Tons(x1000)	1,353
	Total Ton-miles(x1000)	65,992
FREDERICK SOUND, AK	2100 crude petroleum	103
	2211 gasoline	25
	2330 distillate fuel oil	56
	2350 lube oil & greases	1
	2430 asphalt, tar & pitch	0
	2540 petroleum coke	1
	2640 liquid natural gas	2
	2990 petro. products nec	1
	3110 nitrogenous fert.	1
	3190 fert. & mixes nec	0
	3220 alcohols	0
	3275 inorg. elem., oxides, & halogen salts	0
	3282 pigments & paints	1
	3286 plastics	0
	3293 explosives	1
	3299 chem. products nec	2

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons	
FREDERICK SOUND, AK - continued	4150 fuel wood	0	
	4170 wood in the rough	323	
	4189 lumber	11	
	4190 forest products nec	1	
	4225 pulp & waste paper	0	
	4338 soil & fill dirt	0	
	4420 iron & steel scrap	25	
	4900 non-metal. min. nec	2	
	5120 paper & paperboard	0	
	5190 paper products nec	4	
	5220 cement & concrete	6	
	5240 glass & glass prod.	1	
	5290 misc. mineral prod.	9	
	5360 i&s bars & shapes	0	
	5370 i&s pipe & tube	1	
	5390 primary i&s nec	0	
	5480 fab. metal products	15	
	5540 primary wood prod.	2	
	6134 fish (not shellfish)	11	
	6136 shellfish	1	
	6654 vegetables & prod.	0	
	6781 hay & fodder	0	
	6811 meat, fresh, frozen	0	
	6835 fish, prepared	0	
	6858 fruit juices	0	
	6885 alcoholic beverages	3	
	6887 groceries	14	
	6888 water & ice	0	
	6889 food products nec	12	
	6899 farm products nec	0	
	7110 machinery (not elec)	16	
	7120 electrical machinery	4	
	7210 vehicles & parts	7	
	7220 aircraft & parts	0	
	7230 ships & boats	1	
	7400 manufac. wood prod.	11	
	7500 textile products	2	
	7600 rubber & plastic pr.	1	
	7900 manufac. prod. nec	72	
	8900 waste and scrap nec	0	
		Total Tons(x1000)	751
		Total Ton-miles(x1000)	34,718
	ICY STRAIT, AK	2211 gasoline	45
2221 kerosene		5	
2330 distillate fuel oil		92	
2350 lube oil & greases		1	
2540 petroleum coke		1	
2990 petro. products nec		1	
3220 alcohols		0	
3286 plastics		0	
3293 explosives		0	
3299 chem. products nec		1	
4170 wood in the rough		363	
4189 lumber		0	
4331 sand & gravel		9	
4690 non-ferrous ores nec		540	
4900 non-metal. min. nec		2	
5190 paper products nec		1	
5220 cement & concrete		3	
5240 glass & glass prod.		0	
5290 misc. mineral prod.		2	
5480 fab. metal products		6	
5540 primary wood prod.		0	
6134 fish (not shellfish)		5	
6654 vegetables & prod.		0	
6811 meat, fresh, frozen		4	
6839 animals & prod. nec		0	
6857 fruit & nuts nec		0	
6887 groceries		0	
6889 food products nec	0		
7110 machinery (not elec)	16		
7120 electrical machinery	1		
7210 vehicles & parts	1		
7230 ships & boats	0		
7400 manufac. wood prod.	1		
7500 textile products	0		
7600 rubber & plastic pr.	0		

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons	
ICY STRAIT, AK - continued	7900 manufac. prod. nec	13	
	9900 unknown or nec	0	
	Total Tons(x1000)	1,110	
	Total Ton-miles(x1000)	48,027	
KLAWOOCK, AK	2211 gasoline	1	
	2330 distillate fuel oil	2	
	4170 wood in the rough	681	
	4189 lumber	3	
	4225 pulp & waste paper	2	
	4310 building stone	4	
	4331 sand & gravel	8	
	4420 iron & steel scrap	0	
	5360 i&s bars & shapes	0	
	5480 fab. metal products	0	
	7110 machinery (not elec)	1	
	7600 rubber & plastic pr.	0	
	7900 manufac. prod. nec	0	
	Total Tons(x1000)	701	
	LYNN CANAL, AK	2211 gasoline	47
		2221 kerosene	5
2330 distillate fuel oil		100	
2350 lube oil & greases		1	
2430 asphalt, tar & pitch		0	
2640 liquid natural gas		0	
2990 petro. products nec		1	
3110 nitrogenous fert.		0	
3220 alcohols		0	
3282 pigments & paints		0	
3286 plastics		0	
3293 explosives		1	
3299 chem. products nec		1	
4170 wood in the rough		7	
4189 lumber		1	
4331 sand & gravel		15	
4420 iron & steel scrap		2	
4690 non-ferrous ores nec		540	
4900 non-metal. min. nec		2	
5190 paper products nec		1	
5220 cement & concrete		7	
5240 glass & glass prod.		0	
5290 misc. mineral prod.		2	
5370 i&s pipe & tube		0	
5480 fab. metal products		11	
5540 primary wood prod.		1	
6134 fish (not shellfish)		4	
6136 shellfish		0	
6654 vegetables & prod.		0	
6811 meat, fresh, frozen		4	
6839 animals & prod. nec		0	
6857 fruit & nuts nec		0	
6885 alcoholic beverages		1	
6887 groceries		0	
6889 food products nec		4	
7110 machinery (not elec)		15	
7120 electrical machinery	2		
7210 vehicles & parts	2		
7230 ships & boats	0		
7400 manufac. wood prod.	2		
7500 textile products	1		
7600 rubber & plastic pr.	0		
7900 manufac. prod. nec	34		
9900 unknown or nec	0		
Total Tons(x1000)	818		
Total Ton-miles(x1000)	57,194		
NICHOLS PASSAGE, AK	1100 coal lignite	0	
	2211 gasoline	1	
	2330 distillate fuel oil	3	
	2430 asphalt, tar & pitch	1	
	2540 petroleum coke	0	
	2990 petro. products nec	0	
	3299 chem. products nec	0	
	4110 rubber & gums	0	

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
NICHOLS PASSAGE, AK - continued	4161 wood chips	46
	4170 wood in the rough	178
	4189 lumber	34
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	1
	4420 iron & steel scrap	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5480 fab. metal products	0
	6889 food products nec	3
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7400 manufac. wood prod.	1
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	1
		Total Tons(x1000)
	Total Ton-miles(x1000)	1,337
NIKISHKA, AK	2100 crude petroleum	1,828
	2211 gasoline	208
	2330 distillate fuel oil	376
	2340 residual fuel oil	130
	2430 asphalt, tar & pitch	552
	2640 liquid natural gas	1,447
	3110 nitrogenous fert.	174
	3273 ammonia	315
	5330 i&s plates & sheets	0
	6134 fish (not shellfish)	20
	6136 shellfish	0
	7110 machinery (not elec)	0
		Total Tons(x1000)
PRINCE OF WALES IS. WEST SIDE, AK	2211 gasoline	0
	2330 distillate fuel oil	3
	3275 inorg. elem.,oxides, & halogen salts	0
	4170 wood in the rough	692
	4189 lumber	2
	4331 sand & gravel	5
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5290 misc. mineral prod.	0
	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
	6889 food products nec	0
	7110 machinery (not elec)	5
	7210 vehicles & parts	0
7400 manufac. wood prod.	0	
7600 rubber & plastic pr.	0	
7900 manufac. prod. nec	0	
	Total Tons(x1000)	710
REVILLAGIGADO CHANNEL, AK	1100 coal lignite	0
	2211 gasoline	87
	2221 kerosene	14
	2330 distillate fuel oil	115
	2340 residual fuel oil	63
	2350 lube oil & greases	2
	2430 asphalt, tar & pitch	0
	2540 petroleum coke	1
	2640 liquid natural gas	3
	2990 petro. products nec	1
	3110 nitrogenous fert.	2
	3190 fert. & mixes nec	0
	3220 alcohols	1
	3274 sodium hydroxide	27
	3275 inorg. elem.,oxides, & halogen salts	0
	3282 pigments & paints	2

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons	
REVILLAGIGADO CHANNEL, AK - continued	3285 perfumes & cleansers	0	
	3286 plastics	1	
	3293 explosives	0	
	3299 chem. products nec	8	
	4110 rubber & gums	0	
	4150 fuel wood	0	
	4170 wood in the rough	266	
	4189 lumber	35	
	4190 forest products nec	2	
	4225 pulp & waste paper	123	
	4331 sand & gravel	5	
	4338 soil & fill dirt	0	
	4420 iron & steel scrap	7	
	4690 non-ferrous ores nec	0	
	4900 non-metal. min. nec	2	
	5120 paper & paperboard	3	
	5190 paper products nec	8	
	5220 cement & concrete	9	
	5240 glass & glass prod.	3	
	5290 misc. mineral prod.	10	
	5360 i&s bars & shapes	0	
	5370 i&s pipe & tube	1	
	5390 primary i&s nec	0	
	5480 fab. metal products	34	
	5540 primary wood prod.	3	
	6134 fish (not shellfish)	33	
	6136 shellfish	1	
	6654 vegetables & prod.	0	
	6781 hay & fodder	0	
	6782 animal feed, prep.	1	
	6811 meat, fresh, frozen	0	
	6835 fish, prepared	19	
	6858 fruit juices	0	
	6885 alcoholic beverages	4	
	6887 groceries	13	
	6888 water & ice	0	
	6889 food products nec	42	
	6899 farm products nec	0	
	7110 machinery (not elec)	27	
	7120 electrical machinery	9	
	7210 vehicles & parts	14	
	7220 aircraft & parts	0	
	7230 ships & boats	2	
	7300 ordnance & access.	0	
	7400 manufac. wood prod.	17	
	7500 textile products	4	
	7600 rubber & plastic pr.	2	
	7900 manufac. prod. nec	109	
	8900 waste and scrap nec	0	
	9900 unknown or nec	0	
		Total Tons(x1000)	1,136
		Total Ton-miles(x1000)	48,137
	STEPHENS PASSAGE, AK	2100 crude petroleum	103
2211 gasoline		18	
2330 distillate fuel oil		49	
2350 lube oil & greases		1	
2430 asphalt, tar & pitch		0	
2540 petroleum coke		0	
2640 liquid natural gas		2	
2990 petro. products nec		1	
3110 nitrogenous fert.		1	
3220 alcohols		0	
3275 inorg. elem., oxides, & halogen salts		0	
3282 pigments & paints		1	
3286 plastics		0	
3293 explosives		1	
3299 chem. products nec		2	
4150 fuel wood		0	
4170 wood in the rough		220	
4189 lumber		9	
4190 forest products nec		1	
4225 pulp & waste paper		0	
4331 sand & gravel		7	
4338 soil & fill dirt		0	
4420 iron & steel scrap		22	
4900 non-metal. min. nec	2		
5120 paper & paperboard	0		

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons	
STEPHENS PASSAGE, AK - continued	5190 paper products nec	3	
	5220 cement & concrete	8	
	5240 glass & glass prod.	1	
	5290 misc. mineral prod.	8	
	5370 i&s pipe & tube	1	
	5390 primary i&s nec	0	
	5480 fab. metal products	17	
	5540 primary wood prod.	1	
	6134 fish (not shellfish)	5	
	6136 shellfish	0	
	6781 hay & fodder	0	
	6835 fish, prepared	0	
	6885 alcoholic beverages	3	
	6887 groceries	9	
	6888 water & ice	0	
	6889 food products nec	11	
	6899 farm products nec	0	
	7110 machinery (not elec)	19	
	7120 electrical machinery	3	
	7210 vehicles & parts	6	
	7220 aircraft & parts	0	
	7230 ships & boats	0	
	7400 manufac. wood prod.	10	
	7500 textile products	2	
	7600 rubber & plastic pr.	0	
	7900 manufac. prod. nec	65	
	8900 waste and scrap nec	0	
		Total Tons(x1000)	610
		Total Ton-miles(x1000)	37,841
	SUMNER STRAIT, AK	1100 coal lignite	0
		2211 gasoline	30
		2330 distillate fuel oil	72
		2350 lube oil & greases	2
2430 asphalt, tar & pitch		0	
2540 petroleum coke		1	
2640 liquid natural gas		2	
2990 petro. products nec		1	
3110 nitrogenous fert.		2	
3190 fert. & mixes nec		0	
3220 alcohols		1	
3275 inorg. elem., oxides, & halogen salts		0	
3282 pigments & paints		2	
3286 plastics		1	
3293 explosives		1	
3299 chem. products nec		3	
4110 rubber & gums		0	
4150 fuel wood		7	
4170 wood in the rough		106	
4189 lumber		13	
4190 forest products nec		1	
4225 pulp & waste paper		0	
4331 sand & gravel		14	
4338 soil & fill dirt		0	
4420 iron & steel scrap		15	
4690 non-ferrous ores nec		0	
4900 non-metal. min. nec		2	
5120 paper & paperboard		0	
5190 paper products nec		5	
5220 cement & concrete		6	
5240 glass & glass prod.		1	
5290 misc. mineral prod.		9	
5360 i&s bars & shapes		0	
5370 i&s pipe & tube		1	
5390 primary i&s nec		0	
5480 fab. metal products		21	
5540 primary wood prod.		3	
6134 fish (not shellfish)		16	
6136 shellfish		2	
6654 vegetables & prod.		0	
6781 hay & fodder		0	
6811 meat, fresh, frozen		0	
6835 fish, prepared		10	
6858 fruit juices		0	
6885 alcoholic beverages		3	
6887 groceries		14	
6888 water & ice		0	
6889 food products nec	20		

Other Harbors and Waterways 1996 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
SUMNER STRAIT, AK - continued	6899 farm products nec	0
	7110 machinery (not elec)	18
	7120 electrical machinery	4
	7210 vehicles & parts	9
	7220 aircraft & parts	0
	7230 ships & boats	1
	7400 manufac. wood prod.	12
	7500 textile products	2
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	85
	8900 waste and scrap nec	0
	Total Tons(x1000)	517
	Total Ton-miles(x1000)	10,616
TONGASS NARROWS, AK	1100 coal lignite	0
	2211 gasoline	32
	2330 distillate fuel oil	80
	2350 lube oil & greases	2
	2430 asphalt, tar & pitch	0
	2540 petroleum coke	1
	2640 liquid natural gas	3
	2990 petro. products nec	1
	3110 nitrogenous fert.	2
	3190 fert. & mixes nec	0
	3220 alcohols	1
	3275 inorg. elem., oxides, & halogen salts	0
	3282 pigments & paints	2
	3286 plastics	1
	3293 explosives	1
	3299 chem. products nec	3
	4110 rubber & gums	0
	4150 fuel wood	7
	4170 wood in the rough	688
	4189 lumber	14
	4190 forest products nec	1
	4225 pulp & waste paper	0
	4338 soil & fill dirt	0
	4420 iron & steel scrap	7
	4690 non-ferrous ores nec	0
	4900 non-metal. min. nec	2
	5120 paper & paperboard	0
	5190 paper products nec	6
	5220 cement & concrete	6
	5240 glass & glass prod.	2
	5290 misc. mineral prod.	9
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	1
	5390 primary i&s nec	0
	5480 fab. metal products	21
	5540 primary wood prod.	2
	6134 fish (not shellfish)	16
	6136 shellfish	1
	6654 vegetables & prod.	0
	6781 hay & fodder	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	10
	6858 fruit juices	0
	6885 alcoholic beverages	4
	6887 groceries	14
	6888 water & ice	0
	6889 food products nec	21
	6899 farm products nec	0
	7110 machinery (not elec)	22
	7120 electrical machinery	4
	7210 vehicles & parts	9
	7220 aircraft & parts	0
	7230 ships & boats	1
7300 ordnance & access.	0	
7400 manufac. wood prod.	13	
7500 textile products	2	
7600 rubber & plastic pr.	1	
7900 manufac. prod. nec	87	
8900 waste and scrap nec	0	
Total Tons(x1000)	1,098	
Total Ton-miles(x1000)	15,360	

Trips and Drafts of Vessels, 1996
(draft in feet)

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

SAN DIEGO HARBOR, CA

	Inbound						Outbound					
Grand Total	11,687	10,692	24	844	116	11	11,721	10,744	21	840	107	9

FOREIGN

Total	446	428	3	11	4	---	501	488	2	9	2	---
40	---	---	---	---	---	---	2	2	---	---	---	---
36	1	1	---	---	---	---	1	1	---	---	---	---
35	2	2	---	---	---	---	4	4	---	---	---	---
34	1	1	---	---	---	---	10	10	---	---	---	---
33	1	1	---	---	---	---	7	6	1	---	---	---
32	5	4	1	---	---	---	11	11	---	---	---	---
31	9	9	---	---	---	---	5	5	---	---	---	---
30	15	15	---	---	---	---	4	4	---	---	---	---
29	9	9	---	---	---	---	1	1	---	---	---	---
28	7	7	---	---	---	---	6	6	---	---	---	---
27	9	9	---	---	---	---	3	3	---	---	---	---
26	6	6	---	---	---	---	5	5	---	---	---	---
25	19	19	---	---	---	---	15	15	---	---	---	---
24	7	7	---	---	---	---	10	10	---	---	---	---
23	8	8	---	---	---	---	9	9	---	---	---	---
22	44	44	---	---	---	---	34	34	---	---	---	---
21	7	7	---	---	---	---	11	11	---	---	---	---
20	3	2	---	---	1	---	3	3	---	---	---	---
19	27	27	---	---	---	---	24	24	---	---	---	---
≤ 18	266	250	2	11	3	---	336	324	1	9	2	---

DOMESTIC

Total	11,241	10,264	21	833	112	11	11,220	10,256	19	831	105	9
36	3	---	3	---	---	---	---	---	---	---	---	---
35	3	---	3	---	---	---	---	---	---	---	---	---
34	11	---	11	---	---	---	1	---	1	---	---	---
33	1	---	1	---	---	---	---	---	---	---	---	---
32	1	---	1	---	---	---	---	---	---	---	---	---
31	1	---	1	---	---	---	---	---	---	---	---	---
30	1	---	1	---	---	---	---	---	---	---	---	---
19	1	---	---	1	---	---	1	---	---	1	---	---
≤ 18	11,219	10,264	---	832	112	11	11,218	10,256	18	830	105	9

Total trips: 23,408

LONG BEACH HARBOR, CA

	Inbound						Outbound					
Grand Total	28,156	11,076	652	12,519	3,284	625	28,309	11,213	654	12,522	3,287	633

FOREIGN

Total	2,126	1,796	285	23	21	1	2,264	1,930	284	25	25	---
58	1	---	1	---	---	---	---	---	---	---	---	---
56	1	1	---	---	---	---	---	---	---	---	---	---
55	6	---	6	---	---	---	2	---	2	---	---	---
53	2	---	2	---	---	---	---	---	---	---	---	---
52	1	---	1	---	---	---	---	---	---	---	---	---
51	1	---	1	---	---	---	---	---	---	---	---	---
50	5	3	2	---	---	---	4	2	2	---	---	---
49	6	---	6	---	---	---	7	7	---	---	---	---
48	5	---	5	---	---	---	1	---	1	---	---	---
47	4	---	4	---	---	---	7	3	4	---	---	---
46	3	---	3	---	---	---	4	4	---	---	---	---
45	1	---	1	---	---	---	6	1	5	---	---	---
44	1	1	---	---	---	---	6	3	3	---	---	---
43	3	---	3	---	---	---	7	5	2	---	---	---
42	8	4	4	---	---	---	13	12	1	---	---	---
41	19	15	4	---	---	---	16	14	2	---	---	---
40	20	13	7	---	---	---	34	27	7	---	---	---
39	42	37	5	---	---	---	71	68	3	---	---	---
38	93	66	27	---	---	---	101	92	9	---	---	---
37	62	39	23	---	---	---	33	32	1	---	---	---
36	81	68	13	---	---	---	93	81	12	---	---	---
35	83	71	12	---	---	---	65	53	12	---	---	---
34	127	116	11	---	---	---	111	103	8	---	---	---
33	112	104	7	---	---	1	115	104	11	---	---	---
32	177	163	14	---	---	---	249	236	13	---	---	---
31	109	101	8	---	---	---	102	100	2	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

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

LONG BEACH HARBOR, CA - continued

Inbound

Outbound

FOREIGN

30	87	76	11	---	---	---	165	130	35	---	---	---
29	144	135	9	---	---	---	128	115	13	---	---	---
28	138	125	13	---	---	---	130	116	14	---	---	---
27	128	114	14	---	---	---	134	117	17	---	---	---
26	111	97	13	---	1	---	111	96	15	---	---	---
25	88	81	7	---	---	---	92	74	18	---	---	---
24	111	104	7	---	---	---	85	77	8	---	---	---
23	65	60	3	---	2	---	57	46	11	---	---	---
22	65	55	6	---	4	---	70	46	17	3	4	---
21	50	43	7	---	---	---	65	54	11	---	---	---
20	40	34	4	---	2	---	57	47	8	1	1	---
19	32	17	13	2	---	---	19	13	6	---	---	---
≤ 18	94	53	8	21	12	---	104	52	11	21	20	---

DOMESTIC

Total	26,030	9,280	367	12,496	3,263	624	26,045	9,283	370	12,497	3,262	633
58	1	---	1	---	---	---	---	---	---	---	---	---
57	32	---	32	---	---	---	---	---	---	---	---	---
56	44	---	44	---	---	---	---	---	---	---	---	---
55	1	---	1	---	---	---	---	---	---	---	---	---
51	3	---	3	---	---	---	---	---	---	---	---	---
49	1	---	1	---	---	---	---	---	---	---	---	---
48	2	---	2	---	---	---	---	---	---	---	---	---
46	---	---	---	---	---	---	1	---	1	---	---	---
45	---	---	---	---	---	---	1	---	1	---	---	---
44	2	---	2	---	---	---	---	---	---	---	---	---
42	---	---	---	---	---	---	1	---	1	---	---	---
41	---	---	---	---	---	---	4	---	4	---	---	---
40	2	---	2	---	---	---	1	---	1	---	---	---
39	4	---	4	---	---	---	2	---	2	---	---	---
38	3	---	3	---	---	---	3	---	3	---	---	---
37	12	---	12	---	---	---	4	---	4	---	---	---
36	16	---	16	---	---	---	9	---	9	---	---	---
35	10	---	10	---	---	---	38	---	38	---	---	---
34	7	---	7	---	---	---	22	1	21	---	---	---
33	11	---	11	---	---	---	9	3	6	---	---	---
32	9	---	9	---	---	---	21	6	15	---	---	---
31	13	---	13	---	---	---	22	13	9	---	---	---
30	8	---	8	---	---	---	30	17	13	---	---	---
29	5	---	5	---	---	---	12	6	6	---	---	---
28	9	---	9	---	---	---	24	5	19	---	---	---
27	32	23	8	---	---	1	47	34	11	---	---	2
26	25	3	4	---	---	18	5	---	3	---	---	2
25	7	2	5	---	---	---	12	---	12	---	---	---
24	4	2	2	---	---	---	---	---	1	---	---	---
23	7	7	---	---	---	---	7	---	7	---	---	---
22	3	1	2	---	---	---	2	---	1	---	---	1
21	13	---	2	1	---	10	4	---	1	---	---	3
20	579	---	2	575	---	2	597	---	14	583	---	---
19	83	---	---	75	---	8	93	---	---	89	---	4
≤ 18	25,082	9,242	147	11,845	3,263	585	25,073	9,198	167	11,825	3,262	621
Total trips:											56,465	

LOS ANGELES HARBOR, CA

Inbound

Outbound

Grand Total	18,603	7,845	740	6,955	2,163	900	18,623	7,864	735	6,951	2,169	904
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FOREIGN

Total	2,338	2,167	137	19	14	1	2,342	2,169	147	16	8	2
51	---	---	---	---	---	---	1	1	---	---	---	---
50	1	1	---	---	---	---	4	3	1	---	---	---
49	---	---	---	---	---	---	3	3	---	---	---	---
47	---	---	---	---	---	---	6	1	5	---	---	---
45	---	---	---	---	---	---	3	---	3	---	---	---
44	---	---	---	---	---	---	2	1	1	---	---	---
43	---	---	---	---	---	---	5	4	1	---	---	---
42	3	2	1	---	---	---	8	7	1	---	---	---
41	3	2	1	---	---	---	9	8	1	---	---	---
40	10	9	1	---	---	---	3	3	---	---	---	---
39	14	14	---	---	---	---	20	19	1	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
LOS ANGELES HARBOR, CA - continued												
	Inbound						Outbound					
FOREIGN												
38	27	19	8	---	---	---	15	10	5	---	---	---
37	38	31	7	---	---	---	15	14	1	---	---	---
36	68	59	9	---	---	---	43	42	1	---	---	---
35	76	71	5	---	---	---	60	57	3	---	---	---
34	106	98	8	---	---	---	99	94	5	---	---	---
33	110	102	8	---	---	---	80	78	2	---	---	---
32	113	102	11	---	---	---	216	209	7	---	---	---
31	115	111	4	---	---	---	114	113	1	---	---	---
30	112	108	4	---	---	---	151	144	7	---	---	---
29	157	153	4	---	---	---	121	115	6	---	---	---
28	131	124	7	---	---	---	148	139	9	---	---	---
27	162	156	6	---	---	---	134	125	9	---	---	---
26	192	186	6	---	---	---	140	131	9	---	---	---
25	282	273	9	---	---	---	315	306	9	---	---	---
24	113	109	4	---	---	---	136	128	8	---	---	---
23	185	181	4	---	---	---	189	183	6	---	---	---
≤ 22	320	256	30	19	14	1	302	231	45	16	8	2
DOMESTIC												
Total	16,265	5,678	603	6,936	2,149	899	16,281	5,695	588	6,935	2,161	902
50	1	---	1	---	---	---	---	---	---	---	---	---
49	2	---	2	---	---	---	---	---	---	---	---	---
48	19	---	19	---	---	---	1	---	1	---	---	---
47	2	---	2	---	---	---	---	---	---	---	---	---
46	3	---	3	---	---	---	---	---	---	---	---	---
45	1	---	1	---	---	---	---	---	---	---	---	---
41	2	---	2	---	---	---	---	---	---	---	---	---
40	1	---	1	---	---	---	2	---	2	---	---	---
39	4	---	4	---	---	---	3	---	3	---	---	---
38	3	---	3	---	---	---	5	1	4	---	---	---
37	8	---	8	---	---	---	3	---	3	---	---	---
36	25	3	22	---	---	---	13	2	11	---	---	---
35	34	4	30	---	---	---	9	---	9	---	---	---
34	31	5	26	---	---	---	16	6	10	---	---	---
33	31	8	23	---	---	---	33	21	12	---	---	---
32	26	8	18	---	---	---	45	31	14	---	---	---
31	22	4	18	---	---	---	30	19	11	---	---	---
30	25	7	18	---	---	---	43	30	13	---	---	---
29	13	3	10	---	---	---	18	11	7	---	---	---
28	27	14	13	---	---	---	21	8	13	---	---	---
27	62	30	11	---	---	21	37	13	23	---	---	1
26	67	42	9	---	---	16	46	31	6	---	---	9
25	61	48	12	---	---	1	53	16	35	---	---	2
24	23	19	4	---	---	---	12	9	3	---	---	---
23	9	4	5	---	---	---	8	2	5	---	---	1
≤ 22	15,763	5,479	338	6,936	2,149	861	15,883	5,495	403	6,935	2,161	889
										Total trips:		37,226
PORT HUENEME, CA												
	Inbound						Outbound					
Grand Total	2,525	2,494	---	17	1	13	2,510	2,482	---	15	1	12
FOREIGN												
Total	297	296	---	---	1	---	307	306	---	---	1	---
35	1	1	---	---	---	---	1	1	---	---	---	---
34	1	1	---	---	---	---	1	1	---	---	---	---
33	4	4	---	---	---	---	---	---	---	---	---	---
32	2	2	---	---	---	---	2	2	---	---	---	---
31	1	1	---	---	---	---	3	3	---	---	---	---
30	3	3	---	---	---	---	4	4	---	---	---	---
29	13	13	---	---	---	---	2	2	---	---	---	---
28	25	25	---	---	---	---	4	4	---	---	---	---
27	16	16	---	---	---	---	16	16	---	---	---	---
26	14	14	---	---	---	---	18	18	---	---	---	---
25	52	52	---	---	---	---	74	74	---	---	---	---
24	53	53	---	---	---	---	49	49	---	---	---	---
23	25	25	---	---	---	---	25	25	---	---	---	---
22	16	16	---	---	---	---	18	18	---	---	---	---
21	3	3	---	---	---	---	19	19	---	---	---	---
20	10	10	---	---	---	---	16	16	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 HUENEME, CA - continued												
	Inbound						Outbound					
FOREIGN												
19 ≤ 18	24 34	24 33	---	---	---	---	16 39	16 38	---	---	---	---
DOMESTIC												
Total ≤ 18	2,228 2,228	2,198 2,198	---	17 17	---	13 13	2,203 2,203	2,176 2,176	---	15 15	---	12 12
										Total trips:		5,035
MISSION BAY, CA (6 feet and less)												
	Inbound						Outbound					
Grand Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:		2
MORRO BAY HARBOR, CA (10 feet and less)												
	Inbound						Outbound					
Grand Total	247	---	---	247	---	---	247	---	---	247	---	---
										Total trips:		494
NEWPORT BAY HARBOR, CA (13 feet and less)												
	Inbound						Outbound					
Grand Total	428	428	---	---	---	---	432	432	---	---	---	---
										Total trips:		860
REDONDO BEACH, CA (7 feet and less)												
	Inbound						Outbound					
Grand Total	689	232	---	457	---	---	690	233	---	457	---	---
										Total trips:		1,379
SANTA BARBARA HARBOR, CA No Vessel Trips Reported												
ELLWOOD, CA (18 feet and less)												
	Inbound						Outbound					
Grand Total	5,407	5,381	---	1	---	25	5,411	5,382	---	1	---	28
										Total trips:		10,818

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SACRAMENTO RIVER, CA												
	Upbound						Downbound					
Grand Total	467	357	34	38	38	---	472	363	35	38	36	---
FOREIGN												
Total	58	54	2	1	1	---	65	60	3	1	1	---
33	2	2	---	---	---	---	5	4	1	---	---	---
32	2	1	1	---	---	---	12	12	---	---	---	---
31	3	3	---	---	---	---	7	7	---	---	---	---
30	3	3	---	---	---	---	9	7	---	1	1	---
29	3	2	1	---	---	---	4	4	---	---	---	---
28	---	---	---	---	---	---	8	8	---	---	---	---
27	3	3	---	---	---	---	1	1	---	---	---	---
26	4	4	---	---	---	---	3	3	---	---	---	---
25	2	1	---	---	1	---	5	4	1	---	---	---
24	---	---	---	---	---	---	2	1	1	---	---	---
23	6	6	---	---	---	---	3	3	---	---	---	---
22	4	4	---	---	---	---	1	1	---	---	---	---
21	4	4	---	---	---	---	1	1	---	---	---	---
20	4	4	---	---	---	---	2	2	---	---	---	---
19	3	3	---	---	---	---	1	1	---	---	---	---
18	12	11	---	1	---	---	1	1	---	---	---	---
17	2	2	---	---	---	---	---	---	---	---	---	---
7	1	1	---	---	---	---	---	---	---	---	---	---
DOMESTIC												
Total	409	303	32	37	37	---	407	303	32	37	35	---
32	1	---	1	---	---	---	---	---	---	---	---	---
31	1	---	1	---	---	---	---	---	---	---	---	---
30	2	---	2	---	---	---	---	---	---	---	---	---
29	1	---	1	---	---	---	---	---	---	---	---	---
27	1	---	1	---	---	---	---	---	---	---	---	---
25	1	---	1	---	---	---	2	---	2	---	---	---
22	1	---	1	---	---	---	---	---	---	---	---	---
20	8	---	---	2	6	---	7	---	6	1	---	---
19	1	---	---	---	1	---	---	---	---	---	---	---
18	4	---	---	3	1	---	2	---	---	2	---	---
14	1	---	---	1	---	---	1	---	---	1	---	---
11	11	---	---	---	11	---	1	---	---	---	1	---
10	1	---	---	---	1	---	1	---	---	---	1	---
9	16	---	---	16	---	---	18	---	---	18	---	---
8	24	22	---	---	2	---	23	22	---	---	1	---
7	36	36	---	---	---	---	36	36	---	---	---	---
≤ 6	299	245	24	15	15	---	316	245	24	15	32	---
Total trips:											939	

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA

Draft	Upbound				Downbound							
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Total	Pass & Dry Cargo	Tanker	Tow or Tug				
Grand Total	96	70	10	7	9	---	98	76	10	5	7	---
FOREIGN												
Total	58	54	2	1	1	---	64	60	2	1	1	---
33	2	2	---	---	---	---	4	4	---	---	---	---
32	2	1	1	---	---	---	12	12	---	---	---	---
31	3	3	---	---	---	---	7	7	---	---	---	---
30	3	3	---	---	---	---	9	7	---	1	1	---
29	3	2	1	---	---	---	4	4	---	---	---	---
28	---	---	---	---	---	---	8	8	---	---	---	---
27	3	3	---	---	---	---	1	1	---	---	---	---
26	4	4	---	---	---	---	3	3	---	---	---	---
25	2	1	---	---	1	---	5	4	1	---	---	---
24	---	---	---	---	---	---	2	1	1	---	---	---
23	6	6	---	---	---	---	3	3	---	---	---	---
22	4	4	---	---	---	---	1	1	---	---	---	---
21	4	4	---	---	---	---	1	1	---	---	---	---
20	4	4	---	---	---	---	2	2	---	---	---	---
19	3	3	---	---	---	---	1	1	---	---	---	---
18	12	11	---	1	---	---	1	1	---	---	---	---
17	2	2	---	---	---	---	---	---	---	---	---	---
7	1	1	---	---	---	---	---	---	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

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

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA - continued
Upbound

Downbound

DOMESTIC

Total	38	16	8	6	8	---	34	16	8	4	6	---
32	1	---	1	---	---	---	---	---	---	---	---	---
31	1	---	1	---	---	---	---	---	---	---	---	---
30	2	---	2	---	---	---	---	---	---	---	---	---
29	1	---	1	---	---	---	---	---	---	---	---	---
27	1	---	1	---	---	---	---	---	---	---	---	---
25	1	---	1	---	---	---	2	---	2	---	---	---
22	1	---	1	---	---	---	---	---	---	---	---	---
20	8	---	---	2	6	---	7	---	6	1	---	---
19	1	---	---	---	1	---	---	---	---	---	---	---
18	4	---	---	3	1	---	2	---	---	2	---	---
14	1	---	---	1	---	---	1	---	---	1	---	---
11	---	---	---	---	---	---	1	---	---	---	1	---
10	---	---	---	---	---	---	1	---	---	---	1	---
8	---	---	---	---	---	---	1	---	---	---	1	---
7	16	16	---	---	---	---	16	16	---	---	---	---
≤ 6	---	---	---	---	---	---	3	---	---	---	3	---
Total trips:											194	

SACRAMENTO, CA

Inbound

Outbound

Grand Total	383	357	10	7	9	---	385	363	10	5	7	---
--------------------	------------	------------	-----------	----------	----------	------------	------------	------------	-----------	----------	----------	------------

FOREIGN

Total	58	54	2	1	1	---	64	60	2	1	1	---
33	2	2	---	---	---	---	4	4	---	---	---	---
32	2	1	1	---	---	---	12	12	---	---	---	---
31	3	3	---	---	---	---	7	7	---	---	---	---
30	3	3	---	---	---	---	9	7	---	1	1	---
29	3	2	1	---	---	---	4	4	---	---	---	---
28	---	---	---	---	---	---	8	8	---	---	---	---
27	3	3	---	---	---	---	1	1	---	---	---	---
26	4	4	---	---	---	---	3	3	---	---	---	---
25	2	1	---	---	1	---	5	4	1	---	---	---
24	---	---	---	---	---	---	2	1	1	---	---	---
23	6	6	---	---	---	---	3	3	---	---	---	---
22	4	4	---	---	---	---	1	1	---	---	---	---
21	4	4	---	---	---	---	1	1	---	---	---	---
20	4	4	---	---	---	---	2	2	---	---	---	---
19	3	3	---	---	---	---	1	1	---	---	---	---
18	12	11	---	1	---	---	1	1	---	---	---	---
17	2	2	---	---	---	---	---	---	---	---	---	---
7	1	1	---	---	---	---	---	---	---	---	---	---

DOMESTIC

Total	325	303	8	6	8	---	321	303	8	4	6	---
32	1	---	1	---	---	---	---	---	---	---	---	---
31	1	---	1	---	---	---	---	---	---	---	---	---
30	2	---	2	---	---	---	---	---	---	---	---	---
29	1	---	1	---	---	---	---	---	---	---	---	---
27	1	---	1	---	---	---	---	---	---	---	---	---
25	1	---	1	---	---	---	2	---	2	---	---	---
22	1	---	1	---	---	---	---	---	---	---	---	---
20	8	---	---	2	6	---	7	---	6	1	---	---
19	1	---	---	---	1	---	---	---	---	---	---	---
18	4	---	---	3	1	---	2	---	---	2	---	---
14	1	---	---	1	---	---	1	---	---	1	---	---
11	---	---	---	---	---	---	1	---	---	---	1	---
10	---	---	---	---	---	---	1	---	---	---	1	---
8	22	22	---	---	---	---	23	22	---	---	1	---
7	36	36	---	---	---	---	36	36	---	---	---	---
≤ 6	245	245	---	---	---	---	248	245	---	---	3	---
Total trips:											768	

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SAN JOAQUIN RIVER, CA												
Grand Total	Upbound				Downbound							
	252	106	31	60	8	47	236	105	30	53	7	41
FOREIGN												
Total	132	99	27	3	3	---	131	103	26	1	1	---
33	2	2	---	---	---	---	6	6	---	---	---	---
32	20	11	9	---	---	---	24	23	1	---	---	---
31	27	22	5	---	---	---	4	4	---	---	---	---
30	6	4	2	---	---	---	12	11	1	---	---	---
29	7	3	4	---	---	---	5	5	---	---	---	---
28	11	8	3	---	---	---	7	6	1	---	---	---
27	4	4	---	---	---	---	3	2	1	---	---	---
26	5	5	---	---	---	---	6	5	1	---	---	---
25	6	6	---	---	---	---	31	22	9	---	---	---
24	6	6	---	---	---	---	8	5	3	---	---	---
23	7	6	1	---	---	---	2	2	---	---	---	---
22	9	8	1	---	---	---	9	5	4	---	---	---
21	8	7	1	---	---	---	2	---	2	---	---	---
20	3	3	---	---	---	---	2	2	---	---	---	---
19	1	1	---	---	---	---	1	---	1	---	---	---
18	5	3	1	---	1	---	1	1	---	---	---	---
17	1	---	---	---	1	---	1	---	1	---	---	---
16	1	---	---	---	1	---	1	1	---	---	---	---
15	1	---	---	1	---	---	1	1	---	---	---	---
13	1	---	---	1	---	---	---	---	---	---	---	---
≤ 12	1	---	---	1	---	---	5	2	1	1	1	---
DOMESTIC												
Total	120	7	4	57	5	47	105	2	4	52	6	41
31	4	---	4	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	1	---	1	---	---	---
25	---	---	---	---	---	---	1	---	1	---	---	---
22	---	---	---	---	---	---	1	---	1	---	---	---
20	---	---	---	---	---	---	1	---	1	---	---	---
19	---	---	---	---	---	---	1	---	---	1	---	---
18	5	---	---	---	---	5	2	---	---	1	---	2
17	14	---	---	11	---	3	13	---	---	11	---	2
15	3	---	---	---	---	3	---	---	---	---	---	---
14	7	---	---	---	---	7	---	---	---	---	---	---
13	7	---	---	6	---	1	5	---	---	5	---	---
≤ 12	80	7	---	40	5	28	80	2	---	35	6	37
											Total trips:	488
STOCKTON, CA												
Grand Total	Inbound				Outbound							
	136	42	29	26	2	37	136	50	29	24	2	31
FOREIGN												
Total	67	42	25	---	---	---	75	50	25	---	---	---
32	11	2	9	---	---	---	17	17	---	---	---	---
31	6	1	5	---	---	---	2	2	---	---	---	---
30	3	1	2	---	---	---	7	6	1	---	---	---
29	5	2	3	---	---	---	3	3	---	---	---	---
28	5	2	3	---	---	---	3	2	1	---	---	---
27	2	2	---	---	---	---	3	2	1	---	---	---
26	3	3	---	---	---	---	3	2	1	---	---	---
25	4	4	---	---	---	---	13	4	9	---	---	---
24	5	5	---	---	---	---	4	1	3	---	---	---
23	3	2	1	---	---	---	1	1	---	---	---	---
22	9	8	1	---	---	---	7	3	4	---	---	---
21	5	5	---	---	---	---	2	---	2	---	---	---
20	2	2	---	---	---	---	2	2	---	---	---	---
19	1	1	---	---	---	---	1	---	1	---	---	---
≤ 18	3	2	1	---	---	---	7	5	2	---	---	---
DOMESTIC												
Total	69	---	4	26	2	37	61	---	4	24	2	31
31	4	---	4	---	---	---	---	---	---	---	---	---
27	---	---	---	---	---	---	1	---	1	---	---	---
25	---	---	---	---	---	---	1	---	1	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
STOCKTON, CA - continued												
	Inbound						Outbound					
DOMESTIC												
22	---	---	---	---	---	---	1	---	1	---	---	---
20	---	---	---	---	---	---	1	---	1	---	---	---
≤ 18	65	---	---	26	2	37	57	---	---	24	2	31
	Total trips:										272	

MIDDLE RIVER, CA
No Vessel Trips Reported

MOKELUMNE RIVER, CA
(6 feet and less)

	Upbound						Downbound					
Grand Total	1	1	---	---	---	---	---	---	---	---	---	1
	Total trips:										1	

OLD RIVER, CA
No Vessel Trips Reported

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SAN FRANCISCO BAY ENTRANCE, CA												
	Upbound						Downbound					
Grand Total	4,087	2,491	949	340	35	272	4,103	2,471	947	355	38	292
FOREIGN												
Total	2,653	2,166	445	21	21	---	2,676	2,163	458	29	24	2
50	---	---	---	---	---	---	1	---	1	---	---	---
49	1	---	1	---	---	---	1	---	1	---	---	---
48	2	1	1	---	---	---	---	---	---	---	---	---
47	2	---	2	---	---	---	1	---	1	---	---	---
46	---	---	---	---	---	---	1	---	1	---	---	---
45	11	---	11	---	---	---	3	---	3	---	---	---
44	---	---	---	---	---	---	2	1	1	---	---	---
43	2	---	2	---	---	---	---	---	---	---	---	---
41	---	---	---	---	---	---	2	---	2	---	---	---
40	2	---	2	---	---	---	1	---	1	---	---	---
39	12	---	12	---	---	---	2	---	2	---	---	---
38	127	104	23	---	---	---	126	111	15	---	---	---
37	68	43	25	---	---	---	53	32	21	---	---	---
36	74	53	21	---	---	---	85	54	31	---	---	---
35	106	86	20	---	---	---	116	105	11	---	---	---
34	134	107	27	---	---	---	175	137	38	---	---	---
33	255	235	20	---	---	---	257	242	15	---	---	---
32	200	168	32	---	---	---	277	257	20	---	---	---
31	210	189	21	---	---	---	219	202	17	---	---	---
30	226	208	18	---	---	---	219	182	33	2	2	---
29	173	140	33	---	---	---	143	122	21	---	---	---
28	155	118	37	---	---	---	150	102	48	---	---	---
27	114	97	17	---	---	---	119	99	20	---	---	---
26	121	94	27	---	---	---	138	108	27	---	3	---
25	133	118	14	---	1	---	165	115	50	---	---	---
24	103	76	26	---	1	---	95	62	33	---	---	---
23	92	77	15	---	---	---	75	70	3	---	2	---
22	72	58	13	1	---	---	55	42	11	1	1	---
21	65	55	9	---	1	---	38	32	6	---	---	---
20	46	40	5	---	1	---	35	24	10	---	1	---
19	28	20	4	3	1	---	25	12	9	1	3	---
≤ 18	119	79	7	17	16	---	97	52	6	25	12	2
DOMESTIC												
Total	1,434	325	504	319	14	272	1,427	308	489	326	14	290
50	38	---	38	---	---	---	---	---	---	---	---	---
49	16	---	16	---	---	---	---	---	---	---	---	---
46	1	---	1	---	---	---	---	---	---	---	---	---
45	1	---	1	---	---	---	---	---	---	---	---	---
43	1	---	1	---	---	---	---	---	---	---	---	---
41	6	---	6	---	---	---	---	---	---	---	---	---
40	15	---	15	---	---	---	---	---	---	---	---	---
39	7	---	7	---	---	---	---	---	---	---	---	---
38	24	1	23	---	---	---	5	1	4	---	---	---
37	22	---	22	---	---	---	9	4	5	---	---	---
36	37	1	36	---	---	---	24	6	18	---	---	---
35	41	6	35	---	---	---	50	9	41	---	---	---
34	29	5	24	---	---	---	78	34	44	---	---	---
33	35	17	18	---	---	---	52	33	19	---	---	---
32	44	27	17	---	---	---	49	32	17	---	---	---
31	46	24	22	---	---	---	44	17	27	---	---	---
30	47	23	24	---	---	---	43	17	26	---	---	---
29	26	14	12	---	---	---	18	2	16	---	---	---
28	37	24	13	---	---	---	28	5	23	---	---	---
27	110	90	17	---	---	3	76	51	25	---	---	---
26	61	47	6	---	---	8	40	21	6	---	---	13
25	78	26	50	---	---	2	81	21	58	---	---	2
24	23	9	14	---	---	---	35	19	16	---	---	---
23	12	2	9	---	---	1	34	10	24	---	---	---
22	7	---	7	---	---	---	7	3	4	---	---	---
21	21	---	3	---	---	18	45	1	4	---	---	39
20	133	---	26	92	6	9	177	14	46	99	---	18
19	29	---	---	5	1	23	30	---	2	4	---	24
≤ 18	487	9	41	222	7	208	502	8	64	222	14	194
											Total trips:	8,190

Trips and Drafts of Vessels, 1996
(draft in feet)

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

SAN FRANCISCO HARBOR, CA

	Inbound						Outbound					
Grand Total	32,663	31,130	167	1,204	124	38	32,671	31,127	167	1,215	125	37

FOREIGN

Total	190	143	43	2	2	---	191	141	43	5	2	---
49	1	---	1	---	---	---	---	---	---	---	---	---
48	2	1	1	---	---	---	---	---	---	---	---	---
47	1	---	1	---	---	---	---	---	---	---	---	---
39	---	---	---	---	---	---	1	---	1	---	---	---
38	5	---	5	---	---	---	3	---	3	---	---	---
37	2	---	2	---	---	---	3	1	2	---	---	---
36	2	2	---	---	---	---	3	---	3	---	---	---
35	4	3	1	---	---	---	4	4	---	---	---	---
34	2	1	1	---	---	---	4	3	1	---	---	---
33	2	2	---	---	---	---	3	3	---	---	---	---
32	8	5	3	---	---	---	7	6	1	---	---	---
31	5	4	1	---	---	---	3	3	---	---	---	---
30	7	2	5	---	---	---	6	3	3	---	---	---
29	6	3	3	---	---	---	3	3	---	---	---	---
28	11	5	6	---	---	---	11	6	5	---	---	---
27	8	8	---	---	---	---	19	15	4	---	---	---
26	12	11	1	---	---	---	11	9	2	---	---	---
25	31	28	3	---	---	---	27	26	1	---	---	---
24	9	7	2	---	---	---	15	12	3	---	---	---
23	8	7	1	---	---	---	4	2	2	---	---	---
≤ 22	64	54	6	2	2	---	64	45	12	5	2	---

DOMESTIC

Total	32,473	30,987	124	1,202	122	38	32,480	30,986	124	1,210	123	37
26	1	---	---	---	---	1	---	---	---	---	---	---
25	---	---	---	---	---	---	1	---	---	---	---	---
≤ 22	32,472	30,987	124	1,202	122	37	32,479	30,985	124	1,210	123	37
										Total trips:		65,334

REDWOOD CITY HARBOR, CA

	Inbound						Outbound					
Grand Total	436	35	124	111	141	25	442	31	124	113	141	33

FOREIGN

Total	38	26	---	6	6	---	35	23	---	6	6	---
33	---	---	---	---	---	---	10	10	---	---	---	---
32	1	1	---	---	---	---	1	1	---	---	---	---
31	---	---	---	---	---	---	4	4	---	---	---	---
30	4	4	---	---	---	---	---	---	---	---	---	---
28	1	1	---	---	---	---	1	1	---	---	---	---
27	2	2	---	---	---	---	---	---	---	---	---	---
26	1	1	---	---	---	---	5	2	---	---	3	---
25	2	2	---	---	---	---	1	1	---	---	---	---
24	---	---	---	---	---	---	1	1	---	---	---	---
23	4	4	---	---	---	---	2	---	---	---	2	---
≤ 22	23	11	---	6	6	---	10	3	---	6	1	---

DOMESTIC

Total	398	9	124	105	135	25	407	8	124	107	135	33
≤ 22	398	9	124	105	135	25	407	8	124	107	135	33
										Total trips:		878

OAKLAND HARBOR, CA

	Inbound						Outbound					
Grand Total	8,942	6,532	236	1,761	133	280	8,965	6,507	237	1,803	149	269

FOREIGN

Total	1,514	1,508	1	3	2	---	1,512	1,503	2	3	4	---
38	104	104	---	---	---	---	110	110	---	---	---	---
37	39	39	---	---	---	---	28	28	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

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

OAKLAND HARBOR, CA - continued

	Inbound						Outbound					
FOREIGN												
36	49	49	---	---	---	---	49	49	---	---	---	---
35	78	78	---	---	---	---	95	95	---	---	---	---
34	99	99	---	---	---	---	121	121	---	---	---	---
33	221	221	---	---	---	---	210	210	---	---	---	---
32	134	134	---	---	---	---	188	188	---	---	---	---
31	155	154	1	---	---	---	172	172	---	---	---	---
30	181	181	---	---	---	---	149	147	---	1	1	---
29	123	123	---	---	---	---	94	94	---	---	---	---
28	87	87	---	---	---	---	58	58	---	---	---	---
27	52	52	---	---	---	---	56	56	---	---	---	---
26	37	37	---	---	---	---	46	46	---	---	---	---
25	43	43	---	---	---	---	31	29	2	---	---	---
24	28	28	---	---	---	---	22	22	---	---	---	---
23	23	23	---	---	---	---	25	25	---	---	---	---
≤ 22	61	56	---	3	2	---	58	53	---	2	3	---
DOMESTIC												
Total	7,428	5,024	235	1,758	131	280	7,453	5,004	235	1,800	145	269
38	1	1	---	---	---	---	1	1	---	---	---	---
37	---	---	---	---	---	---	7	7	---	---	---	---
36	1	1	---	---	---	---	9	9	---	---	---	---
35	3	3	---	---	---	---	20	20	---	---	---	---
34	10	10	---	---	---	---	35	35	---	---	---	---
33	16	16	---	---	---	---	38	38	---	---	---	---
32	21	21	---	---	---	---	24	24	---	---	---	---
31	27	27	---	---	---	---	13	13	---	---	---	---
30	19	19	---	---	---	---	14	14	---	---	---	---
29	16	16	---	---	---	---	1	1	---	---	---	---
28	25	25	---	---	---	---	5	5	---	---	---	---
27	90	90	---	---	---	---	66	66	---	---	---	---
26	44	44	---	---	---	---	20	20	---	---	---	---
25	21	21	---	---	---	---	17	17	---	---	---	---
24	10	10	---	---	---	---	10	10	---	---	---	---
23	4	4	---	---	---	---	6	6	---	---	---	---
≤ 22	7,120	4,716	235	1,758	131	280	7,167	4,718	235	1,800	145	269
											Total trips:	17,907

RICHMOND HARBOR, CA

	Inbound						Outbound					
Grand Total	3,323	137	505	1,933	183	565	3,324	137	492	1,931	178	586
FOREIGN												
Total	289	137	148	2	2	---	294	137	151	4	2	---
49	---	---	---	---	---	---	1	---	1	---	---	---
44	---	---	---	---	---	---	2	1	1	---	---	---
41	---	---	---	---	---	---	1	---	1	---	---	---
40	1	---	1	---	---	---	---	---	---	---	---	---
39	6	---	6	---	---	---	1	---	1	---	---	---
38	3	---	3	---	---	---	5	1	4	---	---	---
37	10	1	9	---	---	---	8	1	7	---	---	---
36	6	1	5	---	---	---	6	1	5	---	---	---
35	15	2	13	---	---	---	8	3	5	---	---	---
34	20	5	15	---	---	---	27	8	19	---	---	---
33	13	3	10	---	---	---	9	2	7	---	---	---
32	18	12	6	---	---	---	17	9	8	---	---	---
31	11	4	7	---	---	---	17	7	10	---	---	---
30	11	5	6	---	---	---	13	4	9	---	---	---
29	9	3	6	---	---	---	10	4	6	---	---	---
28	12	3	9	---	---	---	20	7	13	---	---	---
27	19	13	6	---	---	---	19	12	7	---	---	---
26	29	19	10	---	---	---	29	19	10	---	---	---
25	17	12	5	---	---	---	23	11	12	---	---	---
24	20	9	11	---	---	---	16	5	11	---	---	---
23	24	20	4	---	---	---	29	28	1	---	---	---
≤ 22	45	25	16	2	2	---	33	14	13	4	2	---

Trips and Drafts of Vessels, 1996
(draft in feet)

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

RICHMOND HARBOR, CA - continued

Inbound

Outbound

DOMESTIC

Total	3,034	---	357	1,931	181	565	3,030	---	341	1,927	176	586
46	1	---	1	---	---	---	---	---	---	---	---	---
43	3	---	3	---	---	---	---	---	---	---	---	---
41	4	---	4	---	---	---	---	---	---	---	---	---
40	5	---	5	---	---	---	---	---	---	---	---	---
39	6	---	6	---	---	---	1	---	1	---	---	---
38	36	---	36	---	---	---	6	---	6	---	---	---
37	22	---	22	---	---	---	5	---	5	---	---	---
36	22	---	22	---	---	---	4	---	4	---	---	---
35	26	---	26	---	---	---	24	---	24	---	---	---
34	19	---	19	---	---	---	15	---	15	---	---	---
33	18	---	18	---	---	---	7	---	7	---	---	---
32	13	---	13	---	---	---	11	---	11	---	---	---
31	12	---	12	---	---	---	14	---	14	---	---	---
30	21	---	21	---	---	---	16	---	16	---	---	---
29	11	---	11	---	---	---	9	---	9	---	---	---
28	9	---	9	---	---	---	11	---	11	---	---	---
27	8	---	7	---	---	1	16	---	16	---	---	---
26	6	---	4	---	---	2	3	---	3	---	---	---
25	24	---	24	---	---	---	14	---	14	---	---	---
24	7	---	7	---	---	---	4	---	4	---	---	---
23	6	---	6	---	---	---	4	---	4	---	---	---
≤ 22	2,755	---	81	1,931	181	562	2,866	---	177	1,927	176	586
Total trips:											176	586
												6,647

SAN PABLO BAY AND MARE ISLAND STRAIT, CA

Upbound

Downbound

Grand Total	2,900	372	620	1,020	436	452	2,923	388	638	992	437	468
--------------------	--------------	------------	------------	--------------	------------	------------	--------------	------------	------------	------------	------------	------------

FOREIGN

Total	517	298	202	8	9	---	536	314	199	11	10	2
45	11	---	11	---	---	---	3	---	3	---	---	---
43	1	---	1	---	---	---	---	---	---	---	---	---
41	---	---	---	---	---	---	1	---	1	---	---	---
40	---	---	---	---	---	---	1	---	1	---	---	---
39	5	---	5	---	---	---	---	---	---	---	---	---
38	13	---	13	---	---	---	7	---	7	---	---	---
37	15	3	12	---	---	---	10	2	8	---	---	---
36	14	1	13	---	---	---	21	2	19	---	---	---
35	7	3	4	---	---	---	6	---	6	---	---	---
34	9	---	9	---	---	---	12	1	11	---	---	---
33	13	8	5	---	---	---	19	14	5	---	---	---
32	37	15	22	---	---	---	53	46	7	---	---	---
31	35	26	9	---	---	---	16	13	3	---	---	---
30	22	15	7	---	---	---	43	25	16	1	1	---
29	30	11	19	---	---	---	29	19	10	---	---	---
28	38	20	18	---	---	---	46	26	20	---	---	---
27	28	20	8	---	---	---	24	15	9	---	---	---
26	36	24	12	---	---	---	42	30	12	---	---	---
25	36	29	6	---	1	---	77	46	31	---	---	---
24	39	29	9	---	1	---	35	19	16	---	---	---
23	28	21	7	---	---	---	15	---	---	---	---	---
≤ 22	100	73	12	8	7	---	76	41	14	10	9	2

DOMESTIC

Total	2,383	74	418	1,012	427	452	2,387	74	439	981	427	466
45	1	---	1	---	---	---	---	---	---	---	---	---
41	1	---	1	---	---	---	---	---	---	---	---	---
40	---	---	---	---	---	---	1	---	1	---	---	---
38	6	---	6	---	---	---	1	---	1	---	---	---
37	9	---	9	---	---	---	2	---	2	---	---	---
36	20	1	19	---	---	---	14	---	14	---	---	---
35	32	3	29	---	---	---	19	---	19	---	---	---
34	16	1	15	---	---	---	32	---	32	---	---	---
33	13	4	9	---	---	---	16	---	16	---	---	---
32	21	3	18	---	---	---	11	---	11	---	---	---
31	31	---	31	---	---	---	20	---	20	---	---	---
30	104	---	104	---	---	---	18	---	18	---	---	---
29	23	---	23	---	---	---	12	---	12	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

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

SAN PABLO BAY AND MARE ISLAND STRAIT, CA - continued

Upbound							Downbound					
DOMESTIC												
28	18	---	18	---	---	---	12	---	12	---	---	---
27	21	1	18	---	---	2	14	---	14	---	---	---
26	15	---	7	---	---	8	22	---	7	---	---	15
25	34	---	31	---	---	3	52	3	47	---	---	2
24	13	---	13	---	---	---	20	7	13	---	---	---
23	7	---	6	---	---	1	9	4	5	---	---	---
≤ 22	1,998	61	60	1,012	427	438	2,112	60	195	981	427	449
Total trips:											5,823	

CARQUINEZ STRAIT, CA

Upbound							Downbound					
Grand Total	2,713	371	524	954	404	460	2,719	387	540	923	415	454

FOREIGN

Total	493	297	181	7	8	---	513	313	179	10	9	2
45	11	---	11	---	---	---	3	---	3	---	---	---
43	1	---	1	---	---	---	---	---	---	---	---	---
41	---	---	---	---	---	---	1	---	1	---	---	---
40	---	---	---	---	---	---	1	---	1	---	---	---
39	4	---	4	---	---	---	---	---	---	---	---	---
38	12	---	12	---	---	---	6	---	6	---	---	---
37	14	3	11	---	---	---	9	2	7	---	---	---
36	13	1	12	---	---	---	19	2	17	---	---	---
35	5	2	3	---	---	---	5	---	5	---	---	---
34	9	---	9	---	---	---	11	1	10	---	---	---
33	13	8	5	---	---	---	19	14	5	---	---	---
32	36	15	21	---	---	---	52	46	6	---	---	---
31	34	26	8	---	---	---	15	13	2	---	---	---
30	20	15	5	---	---	---	42	25	15	1	1	---
29	30	11	19	---	---	---	27	18	9	---	---	---
28	38	20	18	---	---	---	44	26	18	---	---	---
27	28	20	8	---	---	---	24	15	9	---	---	---
26	32	24	8	---	---	---	38	30	8	---	---	---
25	35	29	5	---	1	---	76	46	30	---	---	---
24	33	29	3	---	1	---	32	19	13	---	---	---
23	27	21	6	---	---	---	15	15	---	---	---	---
≤ 22	98	73	12	7	6	---	74	41	14	9	8	2

DOMESTIC

Total	2,220	74	343	947	396	460	2,206	74	361	913	406	452
45	1	---	1	---	---	---	---	---	---	---	---	---
41	1	---	1	---	---	---	---	---	---	---	---	---
40	---	---	---	---	---	---	1	---	1	---	---	---
39	---	---	---	---	---	---	1	---	1	---	---	---
38	1	---	1	---	---	---	---	---	---	---	---	---
37	4	---	4	---	---	---	3	---	3	---	---	---
36	9	1	8	---	---	---	12	---	12	---	---	---
35	24	3	21	---	---	---	8	---	8	---	---	---
34	17	1	16	---	---	---	26	---	26	---	---	---
33	13	4	9	---	---	---	13	---	13	---	---	---
32	17	3	14	---	---	---	6	---	6	---	---	---
31	30	---	30	---	---	---	15	---	15	---	---	---
30	106	---	106	---	---	---	15	---	15	---	---	---
29	19	1	18	---	---	---	11	---	11	---	---	---
28	16	---	16	---	---	---	7	---	7	---	---	---
27	15	---	13	---	2	---	10	1	9	---	---	---
26	18	---	4	---	---	14	17	---	3	---	---	14
25	19	---	19	---	---	---	50	5	42	---	---	3
24	4	---	4	---	---	---	18	7	11	---	---	---
23	3	---	2	---	---	1	3	1	2	---	---	---
≤ 22	1,903	61	56	947	396	443	1,990	60	176	913	406	435
Total trips:											5,432	

Trips and Drafts of Vessels, 1996
(draft in feet)

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

SUISUN BAY CHANNEL, CA

	Upbound						Downbound					
Grand Total	1,342	214	133	483	319	193	1,354	226	136	475	318	199

FOREIGN

Total	203	153	42	4	4	---	211	166	40	3	2	---
38	---	---	---	---	---	---	1	---	1	---	---	---
37	---	---	---	---	---	---	3	1	2	---	---	---
36	1	---	1	---	---	---	2	---	2	---	---	---
35	1	---	1	---	---	---	---	---	---	---	---	---
34	---	---	---	---	---	---	1	---	1	---	---	---
33	4	4	---	---	---	---	13	10	3	---	---	---
32	23	12	11	---	---	---	36	35	1	---	---	---
31	30	25	5	---	---	---	11	11	---	---	---	---
30	9	7	2	---	---	---	23	18	3	1	1	---
29	12	5	7	---	---	---	9	9	---	---	---	---
28	15	8	7	---	---	---	16	15	1	---	---	---
27	7	7	---	---	---	---	4	3	1	---	---	---
26	11	9	2	---	---	---	10	8	2	---	---	---
25	8	7	---	---	1	---	37	27	10	---	---	---
24	6	6	---	---	---	---	10	6	4	---	---	---
23	14	12	2	---	---	---	5	5	---	---	---	---
22	14	12	2	---	---	---	10	6	4	---	---	---
21	12	11	1	---	---	---	3	1	2	---	---	---
20	7	7	---	---	---	---	4	4	---	---	---	---
19	4	4	---	---	---	---	2	1	1	---	---	---
≤ 18	25	17	1	4	3	---	11	6	2	2	1	---

DOMESTIC

Total	1,139	61	91	479	315	193	1,143	60	96	472	316	199
36	1	---	1	---	---	---	---	---	---	---	---	---
35	1	---	1	---	---	---	---	---	---	---	---	---
34	1	---	1	---	---	---	2	---	2	---	---	---
33	1	---	1	---	---	---	---	---	---	---	---	---
32	2	---	2	---	---	---	1	---	1	---	---	---
31	8	---	8	---	---	---	7	---	7	---	---	---
30	26	---	26	---	---	---	6	---	6	---	---	---
29	4	---	4	---	---	---	5	---	5	---	---	---
28	2	---	2	---	---	---	1	---	1	---	---	---
27	1	---	---	---	---	---	---	---	---	---	---	---
26	3	---	---	---	---	1	---	---	1	---	---	1
25	3	---	3	---	---	---	5	---	5	---	---	---
21	1	---	---	---	---	1	20	---	1	---	---	19
20	58	---	3	48	6	1	76	---	7	53	---	16
19	10	---	---	2	1	7	50	---	---	3	---	47
≤ 18	1,017	61	39	429	308	180	968	60	60	416	316	116
										Total trips:		2,696

HUMBOLDT HARBOR AND BAY, CA

	Inbound						Outbound					
Grand Total	1,258	520	183	465	42	48	1,270	519	184	470	52	45

FOREIGN

Total	71	71	---	---	---	---	71	70	1	---	---	---
34	---	---	---	---	---	---	2	1	1	---	---	---
33	1	1	---	---	---	---	2	2	---	---	---	---
32	1	1	---	---	---	---	3	3	---	---	---	---
31	1	1	---	---	---	---	5	5	---	---	---	---
30	2	2	---	---	---	---	5	5	---	---	---	---
29	1	1	---	---	---	---	3	3	---	---	---	---
28	6	6	---	---	---	---	8	8	---	---	---	---
27	9	9	---	---	---	---	9	9	---	---	---	---
26	12	12	---	---	---	---	8	8	---	---	---	---
25	6	6	---	---	---	---	6	6	---	---	---	---
24	12	12	---	---	---	---	6	6	---	---	---	---
23	5	5	---	---	---	---	7	7	---	---	---	---
22	2	2	---	---	---	---	1	1	---	---	---	---
21	3	3	---	---	---	---	3	3	---	---	---	---
20	5	5	---	---	---	---	1	1	---	---	---	---
19	1	1	---	---	---	---	---	---	---	---	---	---
≤ 18	4	4	---	---	---	---	2	2	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
HUMBOLDT HARBOR AND BAY, CA - continued												
	Inbound						Outbound					
DOMESTIC												
Total	1,187	449	183	465	42	48	1,199	449	183	470	52	45
≤ 18	1,187	449	183	465	42	48	1,199	449	183	470	52	45
										Total trips:		2,528
BERKELEY, CA (12 feet and less)												
	Inbound						Outbound					
Grand Total	691	690	---	---	1	---	692	692	---	---	---	---
										Total trips:		1,383
BODEGA BAY, CA No Vessel Trips Reported												
CRESCENT CITY HARBOR, CA No Vessel Trips Reported												
MONTEREY HARBOR, CA (14 feet and less)												
	Inbound						Outbound					
Grand Total	---	---	---	---	---	---	1	---	---	1	---	---
										Total trips:		1
MOSS LANDING HARBOR, CA No Vessel Trips Reported												
NAPA RIVER, CA (13 feet and less)												
	Upbound						Downbound					
Grand Total	49	---	---	2	47	---	46	---	---	1	45	---
										Total trips:		95
NOYO RIVER, CA No Vessel Trips Reported												
PETALUMA RIVER, CA (13 feet and less)												
	Upbound						Downbound					
Grand Total	272	---	---	133	139	---	274	---	---	141	133	---
										Total trips:		546
PILLAR POINT HARBOR, CA No Vessel Trips Reported												
SAN RAFAEL CREEK, CA (9 feet and less)												
	Upbound						Downbound					
Grand Total	13	---	---	11	2	---	13	---	---	11	2	---
										Total trips:		26
SANTA CRUZ HARBOR, CA (10 feet and less)												
	Inbound						Outbound					
Grand Total	428	428	---	---	---	---	427	427	---	---	---	---
										Total trips:		855

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SUISUN CHANNEL, CA (8 feet and less)												
				Upbound							Downbound	
Grand Total	7	---	---	---	7	---	7	---	---	---	7	---
										Total trips:	7	14
OTHER SAN FRANCISCO BAY AREA PORTS, CA (50 feet and less)												
				Inbound							Outbound	
Grand Total	21,195	18,901	584	869	655	186	21,156	18,895	597	849	638	177
										Total trips:	849	42,351

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
HILO HARBOR, HI												
	Inbound						Outbound					
Grand Total	897	76	1	380	360	80	857	51	1	375	360	70
FOREIGN												
Total	76	75	1	---	---	---	51	50	1	---	---	---
32	2	2	---	---	---	---	---	---	---	---	---	---
31	1	1	---	---	---	---	1	1	---	---	---	---
30	---	---	---	---	---	---	2	2	---	---	---	---
29	3	3	---	---	---	---	---	---	---	---	---	---
28	2	2	---	---	---	---	1	1	---	---	---	---
27	2	2	---	---	---	---	1	1	---	---	---	---
26	3	3	---	---	---	---	4	4	---	---	---	---
25	1	1	---	---	---	---	---	---	---	---	---	---
24	6	6	---	---	---	---	7	7	---	---	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
22	---	---	---	---	---	---	2	2	---	---	---	---
20	6	5	1	---	---	---	4	3	1	---	---	---
19	1	1	---	---	---	---	4	4	---	---	---	---
≤ 18	48	48	---	---	---	---	25	25	---	---	---	---
DOMESTIC												
Total	821	1	---	380	360	80	806	1	---	375	360	70
26	---	---	---	---	---	---	1	1	---	---	---	---
24	1	1	---	---	---	---	---	---	---	---	---	---
19	24	---	---	---	---	24	---	---	---	---	---	---
≤ 18	796	---	---	380	360	56	805	---	---	375	360	70
											Total trips:	1,754
KAWAIHAE HARBOR, HI												
	Inbound						Outbound					
Grand Total	734	---	---	271	455	8	729	---	---	274	447	8
DOMESTIC												
Total	734	---	---	271	455	8	729	---	---	274	447	8
19	8	---	---	---	---	8	---	---	---	---	---	---
≤ 18	726	---	---	271	455	---	729	---	---	274	447	8
											Total trips:	1,463
KAHULUI HARBOR, MAUI, HI												
	Inbound						Outbound					
Grand Total	1,333	35	1	539	676	82	1,310	33	1	528	669	79
FOREIGN												
Total	25	24	1	---	---	---	23	22	1	---	---	---
34	2	2	---	---	---	---	---	---	---	---	---	---
33	3	3	---	---	---	---	2	2	---	---	---	---
32	2	2	---	---	---	---	2	2	---	---	---	---
31	1	1	---	---	---	---	1	1	---	---	---	---
30	---	---	---	---	---	---	3	3	---	---	---	---
28	1	1	---	---	---	---	1	1	---	---	---	---
25	1	1	---	---	---	---	1	1	---	---	---	---
24	3	3	---	---	---	---	5	5	---	---	---	---
23	2	2	---	---	---	---	1	1	---	---	---	---
20	---	---	---	---	---	---	1	1	---	---	---	---
≤ 18	10	9	1	---	---	---	6	5	1	---	---	---
DOMESTIC												
Total	1,308	11	---	539	676	82	1,287	11	---	528	669	79
33	---	---	---	---	---	---	3	3	---	---	---	---
32	---	---	---	---	---	---	1	1	---	---	---	---
31	---	---	---	---	---	---	1	1	---	---	---	---
30	---	---	---	---	---	---	2	2	---	---	---	---
28	---	---	---	---	---	---	1	1	---	---	---	---
27	---	---	---	---	---	---	1	1	---	---	---	---
26	2	2	---	---	---	---	1	1	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

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

KAHULUI HARBOR, MAUI, HI - continued

Inbound

Outbound

DOMESTIC

25	1	1	---	---	---	---	1	1	---	---	---	---
24	5	5	---	---	---	---	---	---	---	---	---	---
23	2	2	---	---	---	---	---	---	---	---	---	---
21	6	---	---	---	---	6	6	---	---	---	6	---
19	22	---	---	---	---	22	---	---	---	---	---	---
≤ 18	1,270	1	---	539	670	60	1,270	---	---	528	663	79
											Total trips:	2,643

BARBERS POINT HARBOR, OAHU, HI

Upbound

Downbound

Grand Total	1,160	21	112	766	56	205	1,145	22	112	752	54	205
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FOREIGN

Total	99	21	78	---	---	---	109	22	87	---	---	---
51	1	---	1	---	---	---	---	---	---	---	---	---
49	4	---	4	---	---	---	---	---	---	---	---	---
48	5	---	5	---	---	---	---	---	---	---	---	---
47	6	---	6	---	---	---	---	---	---	---	---	---
46	2	---	2	---	---	---	---	---	---	---	---	---
45	3	---	3	---	---	---	---	---	---	---	---	---
43	5	---	5	---	---	---	1	1	---	---	---	---
42	4	---	4	---	---	---	---	---	---	---	---	---
41	2	---	2	---	---	---	1	---	1	---	---	---
40	5	---	5	---	---	---	---	---	---	---	---	---
39	1	---	1	---	---	---	---	---	---	---	---	---
38	2	1	1	---	---	---	4	---	4	---	---	---
37	2	1	1	---	---	---	4	---	4	---	---	---
36	14	12	2	---	---	---	8	3	5	---	---	---
35	---	---	---	---	---	---	12	1	11	---	---	---
34	---	---	---	---	---	---	6	---	6	---	---	---
33	1	1	---	---	---	---	5	1	4	---	---	---
32	1	1	---	---	---	---	8	1	7	---	---	---
31	---	---	---	---	---	---	6	2	4	---	---	---
30	---	---	---	---	---	---	12	---	12	---	---	---
29	---	---	---	---	---	---	7	4	3	---	---	---
28	1	1	---	---	---	---	4	---	4	---	---	---
27	1	---	1	---	---	---	3	1	2	---	---	---
26	6	---	6	---	---	---	2	1	1	---	---	---
25	---	---	---	---	---	---	2	2	---	---	---	---
24	5	---	5	---	---	---	2	2	---	---	---	---
23	4	---	4	---	---	---	1	---	1	---	---	---
22	3	1	2	---	---	---	5	---	5	---	---	---
21	1	---	1	---	---	---	2	1	1	---	---	---
20	5	1	4	---	---	---	5	---	5	---	---	---
19	3	1	2	---	---	---	5	---	5	---	---	---
18	3	1	2	---	---	---	---	---	1	---	---	---
17	---	---	---	---	---	---	1	---	1	---	---	---
16	2	---	2	---	---	---	---	---	---	---	---	---
15	3	---	3	---	---	---	---	---	---	---	---	---
14	1	---	1	---	---	---	---	---	---	---	---	---
13	3	---	3	---	---	---	---	---	---	---	---	---
≤ 12	---	---	---	---	---	---	2	2	---	---	---	---

DOMESTIC

Total	1,061	---	34	766	56	205	1,036	---	25	752	54	205
55	1	---	1	---	---	---	---	---	---	---	---	---
53	1	---	1	---	---	---	---	---	---	---	---	---
52	3	---	3	---	---	---	---	---	---	---	---	---
51	1	---	1	---	---	---	---	---	---	---	---	---
50	1	---	1	---	---	---	---	---	---	---	---	---
49	4	---	4	---	---	---	---	---	---	---	---	---
48	5	---	5	---	---	---	---	---	---	---	---	---
47	4	---	4	---	---	---	---	---	---	---	---	---
45	3	---	3	---	---	---	---	---	---	---	---	---
44	2	---	2	---	---	---	---	---	---	---	---	---
43	3	---	3	---	---	---	---	---	---	---	---	---
41	1	---	1	---	---	---	---	---	---	---	---	---
35	---	---	---	---	---	---	1	---	1	---	---	---
34	2	---	2	---	---	---	---	---	---	---	---	---
30	1	---	1	---	---	---	---	---	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

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

BARBERS POINT HARBOR, OAHU, HI - continued
Upbound

Downbound

DOMESTIC

25	---	---	---	---	---	---	3	---	3	---	---	---
23	---	---	---	---	---	---	2	---	2	---	---	---
20	---	---	---	---	---	---	2	---	2	---	---	---
19	6	---	---	---	---	6	43	---	---	---	---	43
17	12	---	---	---	---	12	54	---	---	---	---	54
16	---	---	---	---	---	---	3	---	---	---	---	3
15	19	---	---	---	---	19	34	---	---	---	---	34
14	4	---	---	4	---	---	4	---	---	4	---	---
13	6	---	1	5	---	---	5	---	---	5	---	---
≤ 12	982	---	1	757	56	168	885	---	17	743	54	71
											Total trips:	2,305

HONOLULU HARBOR, OAHU, HI

Inbound

Outbound

Grand Total	7,972	2,845	80	2,416	2,285	346	7,919	2,801	74	2,425	2,285	334
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FOREIGN

Total	832	721	63	16	27	5	774	678	58	15	22	1
40	13	2	11	---	---	---	---	---	---	---	---	---
39	4	2	2	---	---	---	3	3	---	---	---	---
38	4	4	---	---	---	---	6	6	---	---	---	---
37	10	9	1	---	---	---	10	9	1	---	---	---
36	21	21	---	---	---	---	22	22	---	---	---	---
35	16	14	2	---	---	---	20	16	4	---	---	---
34	32	29	3	---	---	---	23	22	1	---	---	---
33	17	14	3	---	---	---	17	17	---	---	---	---
32	14	13	1	---	---	---	16	12	4	---	---	---
31	4	2	2	---	---	---	4	2	2	---	---	---
30	5	4	1	---	---	---	8	7	1	---	---	---
29	12	11	1	---	---	---	13	11	2	---	---	---
28	5	5	---	---	---	---	9	7	2	---	---	---
27	10	7	3	---	---	---	9	6	3	---	---	---
26	9	8	1	---	---	---	13	12	1	---	---	---
25	11	11	---	---	---	---	19	12	7	---	---	---
24	21	19	2	---	---	---	23	21	2	---	---	---
23	20	18	2	---	---	---	19	18	1	---	---	---
22	29	25	4	---	---	---	24	21	3	---	---	---
21	11	6	5	---	---	---	11	11	---	---	---	---
20	25	23	2	---	---	---	37	28	9	---	---	---
19	16	12	4	---	---	---	15	11	4	---	---	---
≤ 18	523	462	13	16	27	5	453	404	11	15	22	1

DOMESTIC

Total	7,140	2,124	17	2,400	2,258	341	7,145	2,123	16	2,410	2,263	333
39	1	1	---	---	---	---	---	---	---	---	---	---
38	2	2	---	---	---	---	1	1	---	---	---	---
37	3	3	---	---	---	---	1	1	---	---	---	---
36	19	8	11	---	---	---	5	5	---	---	---	---
35	12	10	2	---	---	---	3	3	---	---	---	---
34	40	39	1	---	---	---	13	13	---	---	---	---
33	29	29	---	---	---	---	14	14	---	---	---	---
32	33	33	---	---	---	---	17	17	---	---	---	---
31	50	50	---	---	---	---	14	14	---	---	---	---
30	83	82	1	---	---	---	44	44	---	---	---	---
29	20	20	---	---	---	---	21	20	1	---	---	---
28	14	14	---	---	---	---	48	47	1	---	---	---
27	33	32	1	---	---	---	86	84	2	---	---	---
26	2	2	---	---	---	---	42	40	2	---	---	---
25	1	1	---	---	---	---	24	19	5	---	---	---
24	2	1	1	---	---	---	2	2	---	---	---	---
23	---	---	---	---	---	---	1	1	---	---	---	---
22	---	---	---	---	---	---	1	1	---	---	---	---
21	8	---	---	---	8	---	---	---	---	---	6	---
20	710	708	---	2	---	---	743	742	---	1	---	---
19	342	330	---	5	---	7	468	440	---	4	---	24
≤ 18	5,736	759	---	2,393	2,250	334	5,591	615	5	2,405	2,257	309
											Total trips:	15,891

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
NAWILIWILI HARBOR, KAUAI, HI												
				Inbound						Outbound		
Grand Total	664	29	---	260	357	18	652	29	---	255	356	12
FOREIGN												
Total	20	20	---	---	---	---	20	20	---	---	---	---
27	1	1	---	---	---	---	---	---	---	---	---	---
26	1	1	---	---	---	---	1	1	---	---	---	---
25	4	4	---	---	---	---	4	4	---	---	---	---
24	---	---	---	---	---	---	1	1	---	---	---	---
23	7	7	---	---	---	---	7	7	---	---	---	---
19	5	5	---	---	---	---	4	4	---	---	---	---
≤ 18	2	2	---	---	---	---	3	3	---	---	---	---
DOMESTIC												
Total	644	9	---	260	357	18	632	9	---	255	356	12
33	---	---	---	---	---	---	3	3	---	---	---	---
32	---	---	---	---	---	---	2	2	---	---	---	---
30	1	1	---	---	---	---	---	---	---	---	---	---
29	---	---	---	---	---	---	1	1	---	---	---	---
28	1	1	---	---	---	---	---	---	---	---	---	---
26	1	1	---	---	---	---	2	2	---	---	---	---
25	4	4	---	---	---	---	---	---	---	---	---	---
24	1	1	---	---	---	---	---	---	---	---	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
19	7	---	---	1	---	6	1	---	---	1	---	---
≤ 18	628	---	---	259	357	12	623	1	---	254	356	12
										Total trips:		1,316

HANA HARBOR, MAUI, HI
No Vessel Trips Reported

KAILUA HARBOR, OAHU, HI
No Vessel Trips Reported

KALAUPAPA HARBOR, MOLOKAI, HI
(14 feet and less)

	Inbound				Outbound								
Grand Total	5	---	---	4	1	---	---	5	---	---	4	1	---
											Total trips:		10

KAUNAKAKAI HARBOR, MOLOKAI, HI
(21 feet and less)

	Inbound				Outbound							
Grand Total	1,282	403	---	251	628	---	1,278	402	---	248	628	---
										Total trips:		2,560

PORT ALLEN HARBOR, KAUAI, HI
(23 feet and less)

	Inbound				Outbound							
Grand Total	379	349	---	30	---	---	379	349	---	30	---	---
										Total trips:		758

WAKE ISLAND HARBOR, WAKE ISLAND
No Vessel Trips Reported

WELLS HARBOR, MIDWAY ISLAND
No Vessel Trips Reported

Trips and Drafts of Vessels, 1996
(draft in feet)

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

COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK AND DAM TO KENNEWICK, WA

	Upbound						Downbound					
Grand Total	3,532	128	---	1,217	1,268	919	3,667	128	---	1,226	1,385	928
DOMESTIC												
Total	3,532	128	---	1,217	1,268	919	3,667	128	---	1,226	1,385	928
16	---	---	---	---	---	---	78	---	---	---	78	---
15	5	---	---	4	---	1	41	---	---	2	39	---
14	5	---	---	---	5	---	463	---	---	---	202	261
13	84	---	---	1	13	70	361	---	---	1	277	83
≤ 12	3,438	128	---	1,212	1,250	848	2,724	128	---	1,223	789	584
										Total trips:		7,199

SNAKE RIVER, OR, WA AND ID

	Upbound						Downbound					
Grand Total	3,852	1,126	---	1,078	931	717	3,893	1,125	---	1,118	951	699
DOMESTIC												
Total	3,852	1,126	---	1,078	931	717	3,893	1,125	---	1,118	951	699
16	---	---	---	---	---	---	50	---	---	---	50	---
15	4	---	---	2	---	2	37	---	---	2	35	---
14	5	---	---	---	5	---	298	---	---	---	135	163
13	74	---	---	1	13	60	240	---	---	1	145	94
12	71	---	---	35	14	22	230	---	---	30	160	40
11	168	---	---	126	---	42	225	---	---	135	80	10
10	539	45	---	380	90	24	494	45	---	333	104	12
9	305	---	---	270	2	33	358	---	---	314	37	7
8	220	19	---	153	---	48	183	19	---	145	16	3
7	164	---	---	84	2	78	143	---	---	128	12	3
6	105	36	---	---	---	69	64	44	---	---	20	---
5	234	26	---	26	145	37	59	18	---	28	13	---
4	114	---	---	---	50	64	173	---	---	1	9	163
3	606	---	---	---	386	220	275	---	---	---	94	181
2	1,243	1,000	---	1	224	18	1,064	999	---	1	41	23
										Total trips:		7,745

Trips and Drafts of Vessels, 1996
(draft in feet)

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

COLUMBIA RIVER ENTRANCE, OR AND WA

	Upbound						Downbound					
Grand Total	3,485	1,736	845	443	268	193	3,445	1,739	846	420	259	181

FOREIGN

Total	2,025	1,709	58	124	119	15	2,036	1,725	61	118	120	12
42	---	---	---	---	---	---	1	1	---	---	---	---
40	1	1	---	---	---	---	56	56	---	---	---	---
39	---	---	---	---	---	---	40	40	---	---	---	---
38	5	3	2	---	---	---	44	44	---	---	---	---
37	11	7	4	---	---	---	52	52	---	---	---	---
36	12	12	---	---	---	---	102	101	1	---	---	---
35	19	18	1	---	---	---	89	89	---	---	---	---
34	14	13	1	---	---	---	186	183	2	---	1	---
33	20	19	1	---	---	---	150	149	1	---	---	---
32	30	30	---	---	---	---	205	204	---	---	1	---
31	32	29	3	---	---	---	59	58	1	---	---	---
30	53	47	5	---	1	---	113	109	4	---	---	---
29	82	79	3	---	---	---	60	58	2	---	---	---
28	120	117	2	---	1	---	133	131	2	---	---	---
27	86	85	1	---	---	---	78	75	3	---	---	---
26	112	109	3	---	---	---	88	82	6	---	---	---
25	130	126	4	---	---	---	74	66	8	---	---	---
24	128	123	5	---	---	---	61	59	2	---	---	---
23	120	119	1	---	---	---	27	23	4	---	---	---
22	161	156	5	---	---	---	35	30	5	---	---	---
21	139	134	5	---	---	---	22	16	6	---	---	---
20	183	142	---	1	40	---	26	21	3	---	2	---
19	158	155	2	---	1	---	10	8	2	---	---	---
≤ 18	409	185	10	123	76	15	325	70	9	118	116	12

DOMESTIC

Total	1,460	27	787	319	149	178	1,409	14	785	302	139	169
37	6	4	2	---	---	---	---	---	---	---	---	---
36	6	---	6	---	---	---	---	---	---	---	---	---
35	21	1	20	---	---	---	---	---	---	---	---	---
34	12	2	10	---	---	---	---	---	---	---	---	---
33	3	---	3	---	---	---	---	---	---	---	---	---
32	4	---	4	---	---	---	---	---	---	---	---	---
31	9	---	9	---	---	---	2	---	2	---	---	---
30	12	---	12	---	---	---	3	---	3	---	---	---
29	7	---	7	---	---	---	2	---	2	---	---	---
28	6	---	6	---	---	---	6	---	6	---	---	---
27	23	9	14	---	---	---	1	---	1	---	---	---
26	3	---	3	---	---	---	2	---	2	---	---	---
25	9	5	4	---	---	---	25	9	16	---	---	---
24	2	---	2	---	---	---	8	---	8	---	---	---
23	2	---	2	---	---	---	5	---	5	---	---	---
22	2	---	2	---	---	---	9	---	9	---	---	---
21	15	---	3	---	---	12	8	---	5	---	---	3
20	49	1	---	40	4	4	65	---	28	37	---	---
19	14	---	---	5	2	7	5	---	---	5	---	---
≤ 18	1,255	5	678	274	143	155	1,268	5	698	260	139	166

Total trips: 6,930

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY

	Upbound						Downbound					
Grand Total	40,750	22,172	966	11,046	4,505	2,061	41,965	23,295	969	10,378	5,114	2,209

FOREIGN

Total	2,025	1,709	58	124	119	15	2,036	1,725	61	118	120	12
40	1	1	---	---	---	---	57	57	---	---	---	---
39	---	---	---	---	---	---	40	40	---	---	---	---
38	5	3	2	---	---	---	44	44	---	---	---	---
37	11	7	4	---	---	---	52	52	---	---	---	---
36	12	12	---	---	---	---	102	101	1	---	---	---
35	19	18	1	---	---	---	89	89	---	---	---	---
34	14	13	1	---	---	---	186	183	2	---	1	---
33	20	19	1	---	---	---	150	149	1	---	---	---
32	30	30	---	---	---	---	205	204	---	---	1	---
31	32	29	3	---	---	---	59	58	1	---	---	---
30	53	47	5	---	1	---	113	109	4	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY - continued												
Upbound						Downbound						
FOREIGN												
29	82	79	3	---	---	---	60	58	2	---	---	---
28	120	117	2	---	---	1	133	131	2	---	---	---
27	86	85	1	---	---	---	78	75	3	---	---	---
26	112	109	3	---	---	---	88	82	6	---	---	---
25	130	126	4	---	---	---	74	66	8	---	---	---
24	128	123	5	---	---	---	61	59	2	---	---	---
23	120	119	1	---	---	---	27	23	4	---	---	---
22	161	156	5	---	---	---	35	30	5	---	---	---
21	139	134	5	---	---	---	22	16	6	---	---	---
20	183	142	---	1	40	---	26	21	3	---	2	---
19	158	155	2	---	1	---	10	8	2	---	---	---
18	94	88	3	2	1	---	13	11	1	---	---	1
17	32	24	6	---	2	---	5	3	1	---	1	---
16	38	12	---	25	---	1	31	3	2	25	---	1
15	26	5	---	20	---	1	22	4	---	18	---	---
14	14	2	---	1	11	---	16	2	4	1	9	---
13	7	2	1	2	1	1	28	2	1	1	15	9
12	32	7	---	20	5	---	39	3	---	17	19	---
11	41	8	---	16	17	---	35	4	---	13	17	1
10	38	2	---	22	13	1	40	5	---	20	15	---
9	17	7	---	3	7	---	17	7	---	6	4	---
8	18	6	---	11	1	---	27	5	---	16	6	---
7	9	9	---	---	---	---	8	8	---	---	---	---
6	12	12	---	---	---	---	10	10	---	---	---	---
5	2	1	---	---	1	---	3	3	---	---	---	---
4	27	---	---	1	15	11	1	---	---	1	---	---
3	1	---	---	---	1	---	29	---	---	---	29	---
2	1	---	---	---	1	---	---	---	---	---	---	---
1	---	---	---	---	---	---	1	---	---	---	1	---
DOMESTIC												
Total	38,725	20,463	908	10,922	4,386	2,046	39,929	21,570	908	10,260	4,994	2,197
37	6	4	2	---	---	---	---	---	---	---	---	---
36	6	---	6	---	---	---	---	---	---	---	---	---
35	21	1	20	---	---	---	---	---	---	---	---	---
34	12	2	10	---	---	---	---	---	---	---	---	---
33	3	---	3	---	---	---	---	---	---	---	---	---
32	4	---	4	---	---	---	---	---	---	---	---	---
31	9	---	9	---	---	---	2	---	2	---	---	---
30	12	---	12	---	---	---	4	---	4	---	---	---
29	7	---	7	---	---	---	2	---	2	---	---	---
28	6	---	6	---	---	---	8	1	7	---	---	---
27	23	9	14	---	---	---	2	1	1	---	---	---
26	5	---	5	---	---	---	2	---	2	---	---	---
25	9	5	4	---	---	---	24	8	16	---	---	---
24	1	---	1	---	---	---	8	---	8	---	---	---
23	3	---	2	---	---	1	6	---	6	---	---	---
22	2	---	2	---	---	---	9	---	9	---	---	---
21	16	---	3	---	---	13	8	---	5	---	---	3
20	55	1	---	46	4	4	68	---	28	40	---	---
19	16	---	---	7	2	7	7	---	7	---	---	---
18	14	---	---	6	2	6	33	---	2	3	2	26
17	12	---	---	1	3	8	8	---	---	1	---	7
16	50	---	---	19	---	31	204	---	2	16	168	18
15	51	---	---	32	10	9	78	---	1	26	49	2
14	93	---	---	54	23	16	660	---	---	62	266	332
13	277	---	---	158	38	81	796	---	---	97	530	169
12	680	---	---	549	74	57	964	---	---	527	251	186
11	423	---	---	218	143	62	628	---	---	281	314	33
10	2,371	45	---	2,053	218	55	2,343	45	---	1,941	289	68
9	2,342	1	---	2,123	128	90	1,992	1	2	1,912	58	19
8	2,084	21	---	1,904	50	109	1,981	22	13	1,782	122	42
7	2,008	8	---	1,824	48	128	2,028	8	---	1,947	35	38
6	15,245	13,672	---	1,248	169	156	16,146	14,804	---	1,179	94	69
5	1,654	187	798	354	144	171	1,649	173	798	287	303	88
4	485	---	---	54	275	156	614	---	---	55	282	277
3	8,213	6,505	---	19	1,210	479	7,367	6,505	---	16	495	351
2	2,263	2	---	9	1,845	407	2,220	2	---	13	1,736	469
1	244	---	---	244	---	---	68	---	---	68	---	---
Total trips:											82,715	

Trips and Drafts of Vessels, 1996
(draft in feet)

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

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR

	Upbound						Downbound					
Grand Total	32,436	9,593	984	12,335	7,056	2,468	32,395	9,558	968	12,290	7,147	2,432

FOREIGN

Total	2,025	1,709	58	124	119	15	2,036	1,725	61	118	120	12
42	---	---	---	---	---	---	1	1	---	---	---	---
40	1	1	---	---	---	---	56	56	---	---	---	---
39	---	---	---	---	---	---	40	40	---	---	---	---
38	5	3	2	---	---	---	44	44	---	---	---	---
37	11	7	4	---	---	---	52	52	---	---	---	---
36	12	12	---	---	---	---	102	101	1	---	---	---
35	19	18	1	---	---	---	89	89	---	---	---	---
34	14	13	1	---	---	---	186	183	2	---	1	---
33	20	19	1	---	---	---	150	149	1	---	---	---
32	30	30	---	---	---	---	205	204	---	---	1	---
31	32	29	3	---	---	---	59	58	1	---	---	---
30	53	47	5	---	1	---	113	109	4	---	---	---
29	82	79	3	---	---	---	60	58	2	---	---	---
28	120	117	2	---	1	---	133	131	2	---	---	---
27	86	85	1	---	---	---	78	75	3	---	---	---
26	112	109	3	---	---	---	88	82	6	---	---	---
25	130	126	4	---	---	---	74	66	8	---	---	---
24	128	123	5	---	---	---	61	59	2	---	---	---
23	120	119	1	---	---	---	27	23	4	---	---	---
22	161	156	5	---	---	---	35	30	5	---	---	---
21	139	134	5	---	---	---	22	16	6	---	---	---
20	183	142	---	1	40	---	26	21	3	---	2	---
19	158	155	2	---	1	---	10	8	2	---	---	---
≤ 18	409	185	10	123	76	15	325	70	9	118	116	12

DOMESTIC

Total	30,411	7,884	926	12,211	6,937	2,453	30,359	7,833	907	12,172	7,027	2,420
37	6	4	2	---	---	---	---	---	---	---	---	---
36	6	---	6	---	---	---	---	---	---	---	---	---
35	25	1	24	---	---	---	---	---	---	---	---	---
34	12	2	10	---	---	---	---	---	---	---	---	---
33	3	---	3	---	---	---	---	---	---	---	---	---
32	4	---	4	---	---	---	---	---	---	---	---	---
31	10	---	10	---	---	---	2	---	2	---	---	---
30	14	---	14	---	---	---	3	---	3	---	---	---
29	8	---	8	---	---	---	2	---	2	---	---	---
28	9	1	8	---	---	---	7	---	7	---	---	---
27	24	9	15	---	---	---	2	1	1	---	---	---
26	6	---	6	---	---	---	2	---	2	---	---	---
25	12	5	7	---	---	---	24	8	16	---	---	---
24	2	---	2	---	---	---	8	---	8	---	---	---
23	4	---	3	---	---	1	6	---	6	---	---	---
22	2	---	2	---	---	---	9	---	9	---	---	---
21	18	---	4	---	---	14	8	---	5	---	---	3
20	67	1	---	58	4	4	65	---	28	37	---	---
19	16	---	---	7	2	7	7	---	7	---	---	---
≤ 18	30,163	7,861	798	12,146	6,931	2,427	30,214	7,824	818	12,128	7,027	2,417
										Total trips:		64,831

PORT OF ASTORIA, OR

	Inbound						Outbound					
Grand Total	903	288	1	443	101	70	847	276	1	409	93	68

FOREIGN

Total	208	75	---	86	47	---	175	63	---	74	38	---
40	---	---	---	---	---	---	1	1	---	---	---	---
35	---	---	---	---	---	---	1	1	---	---	---	---
34	---	---	---	---	---	---	2	2	---	---	---	---
32	---	---	---	---	---	---	2	2	---	---	---	---
29	---	---	---	---	---	---	1	1	---	---	---	---
28	1	1	---	---	---	---	1	1	---	---	---	---
26	1	1	---	---	---	---	1	1	---	---	---	---
25	1	1	---	---	---	---	---	---	---	---	---	---
24	3	3	---	---	---	---	2	2	---	---	---	---
23	4	4	---	---	---	---	1	1	---	---	---	---
22	4	4	---	---	---	---	4	4	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 ASTORIA, OR - continued												
	Inbound						Outbound					
FOREIGN												
21	3	3	---	---	---	---	---	---	---	---	---	---
20	2	2	---	---	---	---	1	1	---	---	---	---
19	3	3	---	---	---	---	1	1	---	---	---	---
≤ 18	186	53	---	86	47	---	157	45	---	74	38	---
DOMESTIC												
Total	695	213	1	357	54	70	672	213	1	335	55	68
28	1	---	1	---	---	---	1	---	1	---	---	---
21	---	---	---	---	---	---	1	---	---	---	---	1
19	2	---	---	2	---	---	3	---	---	3	---	---
≤ 18	692	213	---	355	54	70	667	213	---	332	55	67
										Total trips:		1,750
PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA												
	Inbound						Outbound					
Grand Total	3,948	---	88	2,486	1,361	13	3,985	---	88	2,549	1,339	9
DOMESTIC												
Total	3,948	---	88	2,486	1,361	13	3,985	---	88	2,549	1,339	9
≤ 18	3,948	---	88	2,486	1,361	13	3,985	---	88	2,549	1,339	9
										Total trips:		7,933
PORT OF LONGVIEW, WA												
	Inbound						Outbound					
Grand Total	2,595	271	6	1,793	309	216	2,475	257	7	1,758	260	193
FOREIGN												
Total	289	271	6	5	4	3	276	257	7	5	6	1
40	1	1	---	---	---	---	---	---	---	---	---	---
39	---	---	---	---	---	---	1	1	---	---	---	---
38	2	2	---	---	---	---	1	1	---	---	---	---
37	3	3	---	---	---	---	1	1	---	---	---	---
36	2	2	---	---	---	---	11	10	1	---	---	---
35	1	1	---	---	---	---	10	10	---	---	---	---
34	---	---	---	---	---	---	39	38	---	---	1	---
33	2	2	---	---	---	---	37	36	1	---	---	---
32	2	2	---	---	---	---	45	45	---	---	---	---
31	---	---	---	---	---	---	18	18	---	---	---	---
30	5	5	---	---	---	---	22	21	1	---	---	---
29	1	---	1	---	---	---	9	9	---	---	---	---
28	12	12	---	---	---	---	11	11	---	---	---	---
27	12	12	---	---	---	---	8	8	---	---	---	---
26	16	15	1	---	---	---	12	12	---	---	---	---
25	20	20	---	---	---	---	13	13	---	---	---	---
24	19	17	2	---	---	---	8	7	1	---	---	---
23	24	24	---	---	---	---	1	1	---	---	---	---
22	26	26	---	---	---	---	6	4	2	---	---	---
21	14	14	---	---	---	---	4	4	---	---	---	---
20	27	27	---	---	---	---	3	2	1	---	---	---
19	46	46	---	---	---	---	1	1	---	---	---	---
18	30	29	---	1	---	---	3	3	---	---	---	---
17	5	4	1	---	---	---	2	1	---	---	1	---
16	3	3	---	---	---	---	---	---	---	---	---	---
15	3	1	---	2	---	---	---	---	---	---	---	---
14	1	---	---	---	1	---	1	---	---	---	1	---
13	5	1	1	1	1	1	2	---	---	1	1	---
≤ 12	7	2	---	1	2	2	7	---	---	4	2	1
DOMESTIC												
Total	2,306	---	---	1,788	305	213	2,199	---	---	1,753	254	192
19	2	---	---	2	---	---	2	---	---	2	---	---
18	5	---	---	---	---	5	2	---	---	---	---	2
17	---	---	---	---	---	---	3	---	---	---	---	3
16	19	---	---	2	7	10	3	---	---	3	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 LONGVIEW, WA - continued

	Inbound						Outbound					
DOMESTIC												
15	6	---	---	5	1	---	6	---	---	5	1	---
14	40	---	---	18	18	4	34	---	---	22	10	2
13	59	---	---	37	22	---	40	---	---	36	4	---
≤ 12	2,175	---	---	1,724	257	194	2,109	---	---	1,685	239	185
										Total trips:		5,070

PORT OF KALAMA, WA

	Inbound						Outbound					
Grand Total	1,843	180	10	1,339	196	118	1,717	213	10	1,323	106	65

FOREIGN

Total	184	180	4	---	---	---	219	213	4	1	1	---
42	---	---	---	---	---	---	1	1	---	---	---	---
40	---	---	---	---	---	---	37	37	---	---	---	---
39	---	---	---	---	---	---	26	26	---	---	---	---
38	---	---	---	---	---	---	11	11	---	---	---	---
37	1	1	---	---	---	---	11	11	---	---	---	---
36	---	---	---	---	---	---	14	14	---	---	---	---
35	---	---	---	---	---	---	21	21	---	---	---	---
34	---	---	---	---	---	---	20	20	---	---	---	---
33	1	1	---	---	---	---	14	14	---	---	---	---
32	3	3	---	---	---	---	25	25	---	---	---	---
31	1	1	---	---	---	---	6	6	---	---	---	---
30	---	---	---	---	---	---	15	15	---	---	---	---
28	7	7	---	---	---	---	3	3	---	---	---	---
27	4	4	---	---	---	---	1	1	---	---	---	---
26	5	5	---	---	---	---	1	1	---	---	---	---
25	12	12	---	---	---	---	3	3	---	---	---	---
24	14	13	1	---	---	---	---	---	---	---	---	---
23	17	17	---	---	---	---	---	---	---	---	---	---
22	28	26	2	---	---	---	---	---	---	---	---	---
21	26	25	1	---	---	---	2	---	2	---	---	---
20	19	19	---	---	---	---	2	1	1	---	---	---
19	24	24	---	---	---	---	1	---	1	---	---	---
≤ 18	22	22	---	---	---	---	5	3	---	1	1	---

DOMESTIC

Total	1,659	---	6	1,339	196	118	1,498	---	6	1,322	105	65
26	1	---	1	---	---	---	1	---	1	---	---	---
25	1	---	1	---	---	---	---	---	---	---	---	---
23	2	---	2	---	---	---	2	---	2	---	---	---
22	---	---	---	---	---	---	1	---	1	---	---	---
21	2	---	2	---	---	---	1	---	1	---	---	---
20	---	---	---	---	---	---	1	---	1	---	---	---
≤ 18	1,653	---	---	1,339	196	118	1,492	---	---	1,322	105	65
										Total trips:		3,560

MULTNOMAH CHANNEL, OR

	Upbound						Downbound					
Grand Total	1,527	11	31	629	853	3	1,620	11	31	928	640	10

DOMESTIC

Total	1,527	11	31	629	853	3	1,620	11	31	928	640	10
13	2	---	---	2	---	---	---	---	---	---	---	---
12	---	---	---	---	---	---	8	---	---	8	---	---
11	81	---	---	---	81	---	---	---	---	---	---	---
10	7	---	---	5	2	---	4	---	---	3	---	1
9	647	---	---	135	512	---	198	---	---	198	---	---
8	290	---	---	155	135	---	277	---	---	273	---	4
7	64	11	---	45	8	---	54	11	---	40	2	1
6	195	---	---	193	2	---	151	---	---	144	7	---
5	111	---	31	79	1	---	282	---	31	251	---	---
4	14	---	---	14	---	---	226	---	---	10	215	1
3	7	---	---	---	7	---	4	---	---	---	4	---
2	109	---	---	1	105	3	416	---	---	1	412	3
										Total trips:		3,147

Trips and Drafts of Vessels, 1996
(draft in feet)

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

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR
Upbound

Downbound

Grand Total	1,502	542	---	497	419	44	1,583	535	---	543	459	46
--------------------	-------	-----	-----	-----	-----	----	-------	-----	-----	-----	-----	----

FOREIGN

Total	330	330	---	---	---	---	322	322	---	---	---	---
39	---	---	---	---	---	---	1	1	---	---	---	---
37	---	---	---	---	---	---	5	5	---	---	---	---
36	---	---	---	---	---	---	12	12	---	---	---	---
35	2	2	---	---	---	---	13	13	---	---	---	---
34	1	1	---	---	---	---	24	24	---	---	---	---
33	5	5	---	---	---	---	22	22	---	---	---	---
32	11	11	---	---	---	---	34	34	---	---	---	---
31	13	13	---	---	---	---	10	10	---	---	---	---
30	21	21	---	---	---	---	29	29	---	---	---	---
29	34	34	---	---	---	---	20	20	---	---	---	---
28	57	57	---	---	---	---	55	55	---	---	---	---
27	29	29	---	---	---	---	17	17	---	---	---	---
26	43	43	---	---	---	---	27	27	---	---	---	---
25	43	43	---	---	---	---	15	15	---	---	---	---
24	28	28	---	---	---	---	19	19	---	---	---	---
23	23	23	---	---	---	---	7	7	---	---	---	---
22	13	13	---	---	---	---	10	10	---	---	---	---
21	4	4	---	---	---	---	---	---	---	---	---	---
20	2	2	---	---	---	---	2	2	---	---	---	---
19	1	1	---	---	---	---	---	---	---	---	---	---

DOMESTIC

Total	1,172	212	---	497	419	44	1,261	213	---	543	459	46
28	---	---	---	---	---	---	1	1	---	---	---	---
16	1	---	---	---	---	1	---	---	---	---	---	---
15	1	---	---	1	---	---	1	---	---	1	---	---
14	11	---	---	---	11	---	7	---	---	---	7	---
13	8	---	---	3	5	---	19	---	---	4	15	---
12	4	---	---	1	3	---	26	---	---	1	25	---
11	28	---	---	17	10	1	65	---	---	32	33	---
10	140	---	---	129	9	2	285	---	---	134	146	5
9	93	---	---	81	12	---	81	---	---	78	2	1
8	65	---	---	51	9	5	80	---	---	79	---	1
7	67	4	---	44	11	8	49	4	---	45	---	---
6	251	62	---	165	18	6	228	62	---	164	---	2
5	167	146	---	4	7	10	149	146	---	2	---	1
4	39	---	---	1	33	5	5	---	---	3	2	---
3	223	---	---	---	221	2	37	---	---	---	35	2
2	74	---	---	---	70	4	228	---	---	---	194	34
										Total trips:		3,085

PORT OF VANCOUVER, WA

Inbound

Outbound

Grand Total	4,132	328	16	2,950	430	408	4,118	351	17	3,148	270	332
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FOREIGN

Total	302	288	14	---	---	---	336	320	16	---	---	---
40	---	---	---	---	---	---	7	7	---	---	---	---
39	---	---	---	---	---	---	2	2	---	---	---	---
38	1	1	---	---	---	---	7	7	---	---	---	---
37	2	1	1	---	---	---	10	10	---	---	---	---
36	3	3	---	---	---	---	30	30	---	---	---	---
35	10	10	---	---	---	---	17	17	---	---	---	---
34	3	3	---	---	---	---	33	32	1	---	---	---
33	7	7	---	---	---	---	23	23	---	---	---	---
32	3	3	---	---	---	---	40	40	---	---	---	---
31	6	4	2	---	---	---	12	12	---	---	---	---
30	11	10	1	---	---	---	23	22	1	---	---	---
29	18	17	1	---	---	---	13	11	2	---	---	---
28	19	17	2	---	---	---	16	16	---	---	---	---
27	9	9	---	---	---	---	11	11	---	---	---	---
26	24	23	1	---	---	---	24	22	2	---	---	---
25	21	19	2	---	---	---	28	23	5	---	---	---
24	27	26	1	---	---	---	14	13	1	---	---	---
23	17	17	---	---	---	---	5	4	1	---	---	---
22	26	24	2	---	---	---	6	5	1	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 VANCOUVER, WA - continued

	Inbound						Outbound					
FOREIGN												
21	25	24	1	---	---	---	5	3	2	---	---	---
20	21	21	---	---	---	---	2	2	---	---	---	---
19	24	24	---	---	---	---	2	2	---	---	---	---
≤ 18	25	25	---	---	---	---	6	6	---	---	---	---
DOMESTIC												
Total	3,830	40	2	2,950	430	408	3,782	31	1	3,148	270	332
37	4	4	---	---	---	---	---	---	---	---	---	---
35	1	1	---	---	---	---	---	---	---	---	---	---
34	2	2	---	---	---	---	---	---	---	---	---	---
33	1	---	1	---	---	---	---	---	---	---	---	---
30	1	---	1	---	---	---	1	---	1	---	---	---
27	9	9	---	---	---	---	1	1	---	---	---	---
25	5	5	---	---	---	---	8	8	---	---	---	---
23	1	---	---	---	---	1	---	---	---	---	---	---
21	---	---	---	---	---	---	1	---	---	---	---	1
20	6	1	---	5	---	---	4	---	---	4	---	---
≤ 18	3,800	18	---	2,945	430	407	3,767	22	---	3,144	270	331
Total trips:											8,250	

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR

	Upbound						Downbound					
Grand Total	6,411	725	---	1,769	2,824	1,093	6,470	649	---	1,838	2,824	1,159
DOMESTIC												
Total	6,411	725	---	1,769	2,824	1,093	6,470	649	---	1,838	2,824	1,159
20	1	1	---	---	---	---	---	---	---	---	---	---
18	2	---	---	2	---	---	---	---	---	---	---	---
17	1	---	---	---	1	---	---	---	---	---	---	---
16	---	---	---	---	---	---	168	---	---	---	168	---
15	7	---	---	5	1	1	49	---	---	5	44	---
14	10	---	---	---	10	---	569	---	---	---	244	325
13	93	---	---	3	20	70	681	---	---	1	515	165
12	266	---	---	72	147	47	387	---	---	59	147	181
11	253	---	---	140	58	55	331	---	---	168	135	28
10	541	45	---	250	203	43	619	45	---	240	274	60
9	450	---	---	249	124	77	353	---	---	285	55	13
8	507	19	---	374	44	70	478	19	---	333	117	9
7	524	3	---	393	38	90	441	3	---	401	30	7
≤ 6	3,756	657	---	281	2,178	640	2,394	582	---	346	1,095	371
Total trips:											12,881	

COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO McNARY LOCK AND DAM, OR AND WA

	Upbound						Downbound					
Grand Total	3,648	126	---	783	1,638	1,101	3,692	126	---	831	1,664	1,071
DOMESTIC												
Total	3,648	126	---	783	1,638	1,101	3,692	126	---	831	1,664	1,071
16	---	---	---	---	---	---	167	---	---	---	167	---
15	5	---	---	4	---	1	45	---	---	2	43	---
14	9	---	---	---	9	---	557	---	---	---	240	317
13	381	---	---	1	265	115	381	---	---	2	264	115
12	120	---	---	52	25	43	454	---	---	45	234	175
11	199	---	---	112	34	53	302	---	---	148	127	27
10	456	45	---	207	164	40	480	45	---	209	170	56
9	264	---	---	183	5	76	249	---	---	185	53	11
8	248	19	---	122	40	67	204	19	---	137	40	8
7	137	---	---	44	3	90	72	---	---	46	20	6
6	122	36	---	4	3	79	83	44	---	1	34	4
5	137	26	---	52	4	55	88	18	---	53	16	1
4	134	---	---	1	23	110	123	---	---	2	11	110
3	922	---	---	---	624	298	373	---	---	---	160	213
2	514	---	---	1	439	74	114	---	---	1	85	28
Total trips:											7,340	

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 PORTLAND, OR

				Inbound						Outbound		
Grand Total	17,355	2,177	147	7,439	5,448	2,144	17,337	2,156	145	7,443	5,449	2,144

FOREIGN

Total	1,042	895	34	33	68	12	1,030	872	34	38	75	11
40	---	---	---	---	---	---	11	11	---	---	---	---
39	---	---	---	---	---	---	11	11	---	---	---	---
38	2	---	2	---	---	---	25	25	---	---	---	---
37	5	2	3	---	---	---	30	30	---	---	---	---
36	7	7	---	---	---	---	47	47	---	---	---	---
35	8	7	1	---	---	---	40	40	---	---	---	---
34	11	10	1	---	---	---	92	91	1	---	---	---
33	10	9	1	---	---	---	76	76	---	---	---	---
32	22	22	---	---	---	---	93	92	---	---	1	---
31	25	24	1	---	---	---	23	22	1	---	---	---
30	37	32	4	---	1	---	53	51	2	---	---	---
29	63	62	1	---	---	---	37	37	---	---	---	---
28	81	80	---	---	1	---	102	100	2	---	---	---
27	61	60	1	---	---	---	58	55	3	---	---	---
26	66	65	1	---	---	---	50	46	4	---	---	---
25	76	74	2	---	---	---	30	27	3	---	---	---
24	65	64	1	---	---	---	37	37	---	---	---	---
23	58	57	1	---	---	---	20	17	3	---	---	---
22	77	76	1	---	---	---	19	17	2	---	---	---
21	71	68	3	---	---	---	11	9	2	---	---	---
20	114	73	---	1	40	---	18	15	1	---	2	---
19	61	58	2	---	1	---	5	4	1	---	---	---
≤ 18	122	45	8	32	25	12	142	12	9	38	72	11

DOMESTIC

Total	16,313	1,282	113	7,406	5,380	2,132	16,307	1,284	111	7,405	5,374	2,133
37	2	---	2	---	---	---	---	---	---	---	---	---
36	6	---	6	---	---	---	---	---	---	---	---	---
35	22	---	22	---	---	---	2	---	2	---	---	---
34	11	---	11	---	---	---	---	---	---	---	---	---
33	1	---	1	---	---	---	---	---	---	---	---	---
32	4	---	4	---	---	---	---	---	---	---	---	---
31	13	---	13	---	---	---	2	---	2	---	---	---
30	11	---	11	---	---	---	4	---	4	---	---	---
29	7	---	7	---	---	---	2	---	2	---	---	---
28	8	1	7	---	---	---	7	---	7	---	---	---
27	14	---	14	---	---	---	4	---	4	---	---	---
26	4	---	4	---	---	---	4	---	4	---	---	---
25	5	---	5	---	---	---	17	---	17	---	---	---
24	1	---	1	---	---	---	8	---	8	---	---	---
23	1	---	1	---	---	---	4	---	4	---	---	---
22	2	---	2	---	---	---	7	---	7	---	---	---
21	16	---	2	---	---	14	5	---	3	---	---	2
20	54	---	---	46	4	4	72	---	27	45	---	---
19	14	---	---	5	2	7	4	---	---	4	---	---
≤ 18	16,117	1,281	---	7,355	5,374	2,107	16,165	1,284	20	7,356	5,374	2,131
										Total trips:		34,692

WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OR

				Upbound						Downbound		
Grand Total	5,835	543	---	2,539	2,753	---	5,893	428	---	2,641	2,824	---

DOMESTIC

Total	5,835	543	---	2,539	2,753	---	5,893	428	---	2,641	2,824	---
12	1	---	---	1	---	---	5	---	---	1	4	---
11	---	---	---	---	---	---	9	---	---	---	9	---
10	2	---	---	2	---	---	35	---	---	3	32	---
9	3	---	---	3	---	---	20	---	---	6	14	---
8	6	---	---	6	---	---	8	---	---	5	3	---
7	223	170	---	53	---	---	222	170	---	48	4	---
6	2,184	187	---	1,997	---	---	2,095	72	---	2,007	16	---
5	334	---	---	3	331	---	208	---	---	1	207	---
4	709	186	---	474	49	---	2,394	186	---	570	1,638	---
3	138	---	---	---	138	---	404	---	---	---	404	---
2	2,235	---	---	---	2,235	---	493	---	---	---	493	---
										Total trips:		11,728

Trips and Drafts of Vessels, 1996
(draft in feet)

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

COOS BAY, OR

	Inbound						Outbound					
Grand Total	3,333	243	366	1,574	1,039	111	3,292	220	366	1,566	1,041	99

FOREIGN

Total	260	243	---	5	9	3	237	220	---	4	10	3
38	5	5	---	---	---	---	1	1	---	---	---	---
37	9	9	---	---	---	---	---	---	---	---	---	---
36	3	3	---	---	---	---	5	5	---	---	---	---
35	2	2	---	---	---	---	22	22	---	---	---	---
34	5	5	---	---	---	---	29	29	---	---	---	---
33	8	8	---	---	---	---	23	23	---	---	---	---
32	4	4	---	---	---	---	10	10	---	---	---	---
31	6	6	---	---	---	---	14	14	---	---	---	---
30	12	12	---	---	---	---	17	17	---	---	---	---
29	12	12	---	---	---	---	6	6	---	---	---	---
28	16	16	---	---	---	---	17	17	---	---	---	---
27	29	29	---	---	---	---	15	15	---	---	---	---
26	25	25	---	---	---	---	13	13	---	---	---	---
25	17	16	---	---	1	---	9	9	---	---	---	---
24	16	16	---	---	---	---	10	10	---	---	---	---
23	10	10	---	---	---	---	9	9	---	---	---	---
22	2	2	---	---	---	---	2	2	---	---	---	---
21	7	7	---	---	---	---	2	2	---	---	---	---
20	12	12	---	---	---	---	1	1	---	---	---	---
19	11	11	---	---	---	---	9	9	---	---	---	---
18	3	---	---	---	3	---	2	---	---	---	2	---
17	2	---	---	2	---	---	---	---	---	---	---	---
16	6	---	---	---	4	2	7	---	---	1	4	2
15	---	---	---	---	---	---	3	---	---	2	---	1
14	2	---	---	2	---	---	2	1	---	1	---	---
13	2	2	---	---	---	---	3	2	---	---	1	---
≤ 12	34	31	---	1	1	1	6	3	---	---	3	---

DOMESTIC

Total	3,073	---	366	1,569	1,030	108	3,055	---	366	1,562	1,031	96
21	3	---	---	---	---	3	---	---	---	---	---	---
20	9	---	---	7	---	2	7	---	---	7	---	---
19	8	---	---	5	---	3	5	---	---	5	---	---
17	23	---	---	---	---	23	14	---	---	---	1	13
16	16	---	---	13	---	3	15	---	---	13	---	2
15	13	---	---	4	8	1	16	---	---	3	12	1
14	48	---	---	47	1	---	43	---	---	41	2	---
13	111	---	---	111	---	---	119	---	---	117	---	2
≤ 12	2,842	---	366	1,382	1,021	73	2,836	---	366	1,376	1,016	78

Total trips: 6,625

COLUMBIA RIVER SYSTEM

	Upbound						Downbound					
Grand Total	38,265	11,195	1,021	14,831	8,464	2,754	37,395	11,158	1,005	14,518	8,117	2,597

FOREIGN

Total	2,025	1,709	58	124	119	15	2,036	1,725	61	118	120	12
42	---	---	---	---	---	---	1	1	---	---	---	---
40	1	1	---	---	---	---	56	56	---	---	---	---
39	---	---	---	---	---	---	40	40	---	---	---	---
38	5	3	2	---	---	---	44	44	---	---	---	---
37	11	7	4	---	---	---	52	52	---	---	---	---
36	12	12	---	---	---	---	102	101	1	---	---	---
35	19	18	1	---	---	---	89	89	---	---	---	---
34	14	13	1	---	---	---	186	183	2	---	1	---
33	20	19	1	---	---	---	150	149	1	---	---	---
32	30	30	---	---	---	---	205	204	---	---	1	---
31	32	29	3	---	---	---	59	58	1	---	---	---
30	53	47	5	---	1	---	113	109	4	---	---	---
29	82	79	3	---	---	---	60	58	2	---	---	---
28	120	117	2	---	1	---	133	131	2	---	---	---
27	86	85	1	---	---	---	78	75	3	---	---	---
26	112	109	3	---	---	---	88	82	6	---	---	---
25	130	126	4	---	---	---	74	66	8	---	---	---
24	128	123	5	---	---	---	61	59	2	---	---	---
23	120	119	1	---	---	---	27	23	4	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels		
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	
COLUMBIA RIVER SYSTEM - continued													
				Upbound							Downbound		
FOREIGN													
22	161	156	5	---	---	---	35	30	5	---	---	---	
21	139	134	5	---	---	---	22	16	6	---	---	---	
20	183	142	---	1	40	---	26	21	3	---	2	---	
19	158	155	2	---	1	---	10	8	2	---	---	---	
18	94	88	3	2	1	---	13	11	1	---	---	1	
17	32	24	6	---	2	---	5	3	1	---	1	---	
16	38	12	---	25	---	1	31	3	2	25	---	1	
15	26	5	---	20	---	1	22	4	---	18	---	---	
14	14	2	---	1	11	---	16	2	4	1	9	---	
13	7	2	1	2	1	1	28	2	1	1	15	9	
12	32	7	---	20	5	---	39	3	---	17	19	---	
11	41	8	---	16	17	---	35	4	---	13	17	1	
10	38	2	---	22	13	1	40	5	---	20	15	---	
9	17	7	---	3	7	---	17	7	---	6	4	---	
8	18	6	---	11	1	---	27	5	---	16	6	---	
7	9	9	---	---	---	---	8	8	---	---	---	---	
6	12	12	---	---	---	---	10	10	---	---	---	---	
5	2	1	---	---	1	---	3	3	---	---	---	---	
4	27	---	---	1	15	11	1	---	---	1	---	---	
3	1	---	---	---	1	---	29	---	---	---	29	---	
2	1	---	---	---	1	---	---	---	---	---	---	---	
1	---	---	---	---	---	---	1	---	---	---	1	---	
DOMESTIC													
Total	36,240	9,486	963	14,707	8,345	2,739	35,359	9,433	944	14,400	7,997	2,585	
37	6	4	2	---	---	---	---	---	---	---	---	---	
36	6	---	6	---	---	---	---	---	---	---	---	---	
35	25	1	24	---	---	---	---	---	---	---	---	---	
34	13	2	11	---	---	---	---	---	---	---	---	---	
33	2	---	2	---	---	---	---	---	---	---	---	---	
32	4	---	4	---	---	---	---	---	---	---	---	---	
31	13	---	13	---	---	---	2	---	2	---	---	---	
30	12	---	12	---	---	---	4	---	4	---	---	---	
29	7	---	7	---	---	---	2	---	2	---	---	---	
28	9	1	8	---	---	---	7	---	7	---	---	---	
27	24	9	15	---	---	---	4	1	3	---	---	---	
26	6	---	6	---	---	---	2	---	2	---	---	---	
25	12	5	7	---	---	---	24	8	16	---	---	---	
24	2	---	2	---	---	---	7	---	7	---	---	---	
23	4	---	3	---	---	1	6	---	6	---	---	---	
22	2	---	2	---	---	---	8	---	8	---	---	---	
21	18	---	4	---	---	14	7	---	4	---	---	3	
20	67	1	---	58	4	4	65	---	28	37	---	---	
19	16	---	---	7	2	7	7	---	7	---	---	---	
18	16	---	---	6	2	8	33	---	2	3	2	26	
17	12	---	---	1	3	8	8	---	---	1	---	7	
16	147	---	---	19	95	33	108	---	2	16	73	17	
15	79	---	---	32	33	14	55	---	1	26	26	2	
14	427	---	---	64	154	209	337	---	---	60	135	142	
13	628	---	---	146	355	127	485	---	---	145	214	126	
12	879	---	---	570	206	103	831	---	---	570	120	141	
11	632	---	---	287	265	80	501	---	---	287	192	22	
10	2,863	45	---	2,495	241	82	2,881	45	---	2,494	288	54	
9	2,885	1	---	2,257	563	64	2,367	1	2	2,256	45	63	
8	2,393	40	---	2,038	211	104	2,217	3	13	2,037	61	103	
7	2,670	244	---	2,247	73	106	2,614	244	---	2,247	18	105	
6	4,311	854	---	3,107	208	142	4,160	854	---	3,106	58	142	
5	2,604	328	835	533	755	153	1,945	328	835	406	224	152	
4	1,735	253	---	565	588	329	3,143	252	---	608	1,954	329	
3	8,639	6,698	---	20	1,376	545	8,634	6,698	---	15	1,376	545	
2	4,827	1,000	---	10	3,211	606	4,828	999	---	12	3,211	606	
1	245	---	---	245	---	---	67	---	---	67	---	---	
										Total trips:		75,660	

ALSEA BAY AND RIVER, OR
No Vessel Trips Reported

CHETCO RIVER, OR
No Vessel Trips Reported

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
CHINOOK CHANNEL, WA (10 feet and less)												
				Upbound						Downbound		
Grand Total	1	---	---	1	---	---	1	---	---	1	---	---
										Total trips:	---	2
CLATSKANIE RIVER, OR (9 feet and less)												
				Upbound						Downbound		
Grand Total	---	---	---	---	---	---	1	---	---	1	---	---
										Total trips:	---	1
COLUMBIA RIVER AT BAKERS BAY, WA No Vessel Trips Reported												
COLUMBIA SLOUGH, OR No Vessel Trips Reported												
COOS AND MILLICOMA RIVERS, OR (7 feet and less)												
				Upbound						Downbound		
Grand Total	16	---	---	16	---	---	16	---	---	16	---	---
										Total trips:	---	32
COQUILLE RIVER, OR No Vessel Trips Reported												
COWLITZ RIVER, WA (6 feet and less)												
				Upbound						Downbound		
Grand Total	3	---	---	3	---	---	2	---	---	2	---	---
										Total trips:	---	5
DEEP RIVER, WA (7 feet and less)												
				Upbound						Downbound		
Grand Total	7	---	---	7	---	---	6	---	---	6	---	---
										Total trips:	---	13
DEPOE BAY, OR No Vessel Trips Reported												
ELOKOMIN SLOUGH, WA No Vessel Trips Reported												
GRAYS RIVER, WA No Vessel Trips Reported												
LAKE RIVER, WA (6 feet and less)												
				Upbound						Downbound		
Grand Total	89	89	---	---	---	---	89	89	---	---	---	---
										Total trips:	---	178
LEWIS RIVER, WA No Vessel Trips Reported												

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 ST. HELENS, OR (12 feet and less)												
	Inbound						Outbound					
Grand Total	33	---	31	2	---	---	33	---	31	2	---	---
											Total trips:	66
PORT ORFORD, OR No Vessel Trips Reported												
ROGUE RIVER, OR (2 feet and less)												
	Upbound						Downbound					
Grand Total	1,648	1,648	---	---	---	---	1,648	1,648	---	---	---	---
											Total trips:	3,296
SIUSLAW RIVER, OR (8 feet and less)												
	Upbound						Downbound					
Grand Total	1	---	---	1	---	---	---	---	---	---	---	---
											Total trips:	1
SKAMOKAWA (STEAMBOAT) SLOUGH, WA No Vessel Trips Reported												
SKAMOKAWA CREEK, WA No Vessel Trips Reported												
SKIPANON CHANNEL, OR (10 feet and less)												
	Upbound						Downbound					
Grand Total	35	---	---	18	17	---	30	---	---	13	17	---
											Total trips:	65
SMITH RIVER, OR No Vessel Trips Reported												
TILLAMOOK BAY AND BAR, OR No Vessel Trips Reported												
UMPQUA RIVER, OR (13 feet and less)												
	Upbound						Downbound					
Grand Total	245	---	---	140	105	---	219	---	---	121	98	---
											Total trips:	464
WESTPORT SLOUGH, OR (10 feet and less)												
	Upbound						Downbound					
Grand Total	6,515	6,505	---	10	---	---	6,513	6,505	---	8	---	---
											Total trips:	13,028
YAQUINA BAY AND HARBOR, OR (36 feet and less)												
	Upbound						Downbound					
Grand Total	35	35	---	---	---	---	35	35	---	---	---	---
											Total trips:	70
YAQUINA RIVER, OR No Vessel Trips Reported												

Trips and Drafts of Vessels, 1996
(draft in feet)

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

YOUNGS BAY AND YOUNGS RIVER, OR
(11 feet and less)

				Upbound						Downbound		
Grand Total	20	---	---	20	---	---	21	---	---	20	---	1
										Total trips:		41

Trips and Drafts of Vessels, 1996
(draft in feet)

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

GRAYS HARBOR AND CHEHALIS RIVER, WA

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
	482	129	---	279	71	3	534	123	---	306	96	9
FOREIGN												
Total	130	129	---	1	---	---	125	123	---	1	1	---
36	---	---	---	---	---	---	1	1	---	---	---	---
35	---	---	---	---	---	---	3	3	---	---	---	---
34	1	1	---	---	---	---	6	6	---	---	---	---
33	---	---	---	---	---	---	29	28	---	---	1	---
32	1	1	---	---	---	---	20	20	---	---	---	---
31	3	3	---	---	---	---	8	8	---	---	---	---
30	1	1	---	---	---	---	10	10	---	---	---	---
29	6	6	---	---	---	---	2	2	---	---	---	---
28	5	5	---	---	---	---	5	5	---	---	---	---
27	5	5	---	---	---	---	6	6	---	---	---	---
26	6	6	---	---	---	---	12	12	---	---	---	---
25	7	7	---	---	---	---	8	8	---	---	---	---
24	9	9	---	---	---	---	---	---	---	---	---	---
23	11	11	---	---	---	---	9	9	---	---	---	---
22	9	9	---	---	---	---	2	2	---	---	---	---
21	17	17	---	---	---	---	---	---	---	---	---	---
20	20	20	---	---	---	---	2	2	---	---	---	---
19	16	16	---	---	---	---	---	---	---	---	---	---
18	5	5	---	---	---	---	---	---	---	---	---	---
17	1	1	---	---	---	---	---	---	---	---	---	---
14	2	1	---	1	---	---	1	---	---	1	---	---
≤ 12	5	5	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	352	---	---	278	71	3	409	---	---	305	95	9
16	32	---	---	32	---	---	33	---	---	33	---	---
15	8	---	---	5	3	---	14	---	---	5	9	---
14	11	---	---	7	4	---	28	---	---	8	20	---
13	13	---	---	9	4	---	21	---	---	10	11	---
≤ 12	288	---	---	225	60	3	313	---	---	249	55	9
											Total trips:	1,016

PORT ANGELES HARBOR, WA

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
	4,438	558	44	2,951	347	538	4,389	550	31	2,917	352	539
FOREIGN												
Total	404	117	10	143	127	7	369	109	3	122	132	3
48	1	1	---	---	---	---	---	---	---	---	---	---
36	1	---	1	---	---	---	2	1	1	---	---	---
35	1	1	---	---	---	---	2	2	---	---	---	---
34	3	2	---	---	---	1	2	2	---	---	---	---
33	---	---	---	---	---	---	4	4	---	---	---	---
32	1	1	---	---	---	---	11	11	---	---	---	---
31	---	---	---	---	---	---	1	1	---	---	---	---
30	---	---	---	---	---	---	8	7	1	---	---	---
29	---	---	---	---	---	---	3	3	---	---	---	---
28	4	3	1	---	---	---	9	9	---	---	---	---
27	1	1	---	---	---	---	2	2	---	---	---	---
26	9	8	1	---	---	---	8	8	---	---	---	---
25	6	5	1	---	---	---	1	1	---	---	---	---
24	3	2	1	---	---	---	5	3	---	---	2	---
23	12	11	1	---	---	---	3	2	---	---	1	---
22	1	1	---	---	---	---	1	1	---	---	---	---
21	4	4	---	---	---	---	1	1	---	---	---	---
20	8	5	---	---	3	---	3	1	---	1	---	---
19	12	6	---	4	1	1	6	1	---	5	---	---
≤ 18	337	66	4	139	123	5	297	49	1	116	128	3
DOMESTIC												
Total	4,034	441	34	2,808	220	531	4,020	441	28	2,795	220	536
52	1	---	1	---	---	---	---	---	---	---	---	---
36	1	---	1	---	---	---	1	---	1	---	---	---
35	1	---	1	---	---	---	2	---	2	---	---	---
33	2	---	2	---	---	---	---	---	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 ANGELES HARBOR, WA - continued

Inbound							Outbound					
DOMESTIC												
32	1	---	1	---	---	---	---	---	---	---	---	---
28	1	---	1	---	---	---	---	---	---	---	---	---
25	1	---	1	---	---	---	---	---	---	---	---	---
22	368	---	---	367	---	1	349	---	---	349	---	---
21	---	---	---	---	---	---	1	---	---	---	---	1
20	2	---	---	2	---	---	5	---	---	4	1	---
19	31	---	---	31	---	---	17	---	---	17	---	---
≤ 18	3,625	441	26	2,408	220	530	3,645	441	25	2,425	219	535
Total trips:											8,827	

PORT TOWNSEND HARBOR, WA

Inbound							Outbound					
Grand Total	5,310	4,759	---	324	205	22	5,320	4,762	---	330	205	23
FOREIGN												
Total	50	3	---	23	24	---	73	10	---	34	29	---
23	2	2	---	---	---	---	1	1	---	---	---	---
≤ 22	48	1	---	23	24	---	72	9	---	34	29	---
DOMESTIC												
Total	5,260	4,756	---	301	181	22	5,247	4,752	---	296	176	23
≤ 22	5,260	4,756	---	301	181	22	5,247	4,752	---	296	176	23
Total trips:											10,630	

HAMMERSLEY INLET, WA

Upbound							Downbound					
Grand Total	524	---	---	298	225	1	479	---	---	296	182	1
DOMESTIC												
Total	524	---	---	298	225	1	479	---	---	296	182	1
12	3	---	---	3	---	---	2	---	---	1	---	1
11	4	---	---	4	---	---	4	---	---	4	---	---
10	198	---	---	198	---	---	213	---	---	197	16	---
9	32	---	---	32	---	---	39	---	---	35	4	---
8	50	---	---	50	---	---	54	---	---	50	4	---
7	1	---	---	1	---	---	14	---	---	1	13	---
≤ 6	236	---	---	10	225	1	153	---	---	8	145	---
Total trips:											1,003	

OLYMPIA HARBOR, WA

Inbound							Outbound					
Grand Total	356	13	---	233	105	5	363	13	---	235	110	5
FOREIGN												
Total	17	11	---	3	3	---	19	11	---	4	4	---
33	1	1	---	---	---	---	4	4	---	---	---	---
32	---	---	---	---	---	---	2	2	---	---	---	---
30	---	---	---	---	---	---	1	1	---	---	---	---
29	---	---	---	---	---	---	2	2	---	---	---	---
27	1	1	---	---	---	---	---	---	---	---	---	---
26	---	---	---	---	---	---	1	1	---	---	---	---
25	1	1	---	---	---	---	---	---	---	---	---	---
24	1	1	---	---	---	---	---	---	---	---	---	---
23	1	1	---	---	---	---	1	1	---	---	---	---
20	3	3	---	---	---	---	---	---	---	---	---	---
19	1	1	---	---	---	---	---	---	---	---	---	---
≤ 18	8	2	---	3	3	---	8	---	---	4	4	---

Trips and Drafts of Vessels, 1996
(draft in feet)

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

OLYMPIA HARBOR, WA - continued

	Inbound						Outbound					
DOMESTIC												
Total	339	2	---	230	102	5	344	2	---	231	106	5
20	1	---	---	1	---	---	1	---	---	1	---	---
≤ 18	338	2	---	229	102	5	343	2	---	230	106	5
										Total trips:		719

TACOMA HARBOR, WA

	Inbound						Outbound					
Grand Total	23,145	8,721	113	11,819	1,147	1,345	23,098	8,786	107	11,772	1,061	1,372

FOREIGN

Total	1,441	759	38	285	330	29	1,407	768	33	275	297	34
45	---	---	---	---	---	---	3	3	---	---	---	---
44	2	2	---	---	---	---	---	---	---	---	---	---
43	---	---	---	---	---	---	1	1	---	---	---	---
42	1	1	---	---	---	---	4	4	---	---	---	---
41	3	3	---	---	---	---	6	6	---	---	---	---
40	9	9	---	---	---	---	31	31	---	---	---	---
39	2	2	---	---	---	---	22	22	---	---	---	---
38	5	5	---	---	---	---	12	12	---	---	---	---
37	3	3	---	---	---	---	8	8	---	---	---	---
36	9	9	---	---	---	---	32	32	---	---	---	---
35	17	17	---	---	---	---	24	24	---	---	---	---
34	21	21	---	---	---	---	32	32	---	---	---	---
33	33	33	---	---	---	---	86	86	---	---	---	---
32	39	39	---	---	---	---	87	87	---	---	---	---
31	35	35	---	---	---	---	40	40	---	---	---	---
30	64	63	1	---	---	---	59	57	2	---	---	---
29	48	48	---	---	---	---	42	40	2	---	---	---
28	49	48	1	---	---	---	45	43	2	---	---	---
27	45	45	---	---	---	---	36	33	3	---	---	---
26	62	59	3	---	---	---	50	45	5	---	---	---
25	67	64	2	---	1	---	53	47	6	---	---	---
24	36	33	3	---	---	---	25	23	2	---	---	---
23	59	54	5	---	---	---	29	27	2	---	---	---
22	40	36	4	---	---	---	21	18	3	---	---	---
21	24	19	4	1	---	---	12	12	---	---	---	---
20	54	38	7	---	8	1	15	12	1	1	1	---
19	41	34	4	---	3	---	6	3	3	---	---	---
18	37	16	1	---	19	1	7	4	---	1	2	---
17	24	8	1	1	14	---	4	3	---	---	---	1
16	19	6	1	2	9	1	62	4	---	3	51	4
15	15	5	---	5	5	---	8	1	---	3	3	1
14	24	---	---	16	7	1	109	---	---	14	77	18
13	24	1	1	20	2	---	21	2	---	14	1	4
≤ 12	530	3	---	240	262	25	415	6	2	239	162	6

DOMESTIC

Total	21,704	7,962	75	11,534	817	1,316	21,691	8,018	74	11,497	764	1,338
42	3	---	3	---	---	---	---	---	---	---	---	---
41	12	---	12	---	---	---	---	---	---	---	---	---
40	7	---	7	---	---	---	---	---	---	---	---	---
39	3	---	3	---	---	---	---	---	---	---	---	---
37	---	---	---	---	---	---	4	4	---	---	---	---
35	---	---	---	---	---	---	2	2	---	---	---	---
34	1	1	---	---	---	---	4	4	---	---	---	---
33	2	2	---	---	---	---	17	17	---	---	---	---
32	2	2	---	---	---	---	20	20	---	---	---	---
31	6	5	1	---	---	---	23	23	---	---	---	---
30	1	1	---	---	---	---	11	11	---	---	---	---
29	7	7	---	---	---	---	9	9	---	---	---	---
28	141	141	---	---	---	---	119	119	---	---	---	---
27	47	47	---	---	---	---	55	55	---	---	---	---
26	10	10	---	---	---	---	7	7	---	---	---	---
25	7	7	---	---	---	---	7	7	---	---	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
22	42	---	---	42	---	---	44	---	---	44	---	---
21	---	---	---	---	---	---	5	---	---	---	---	5
20	14	---	---	14	---	---	12	1	---	11	---	---
19	14	---	---	12	---	2	28	---	---	11	---	17

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
TACOMA HARBOR, WA - continued												
	Inbound						Outbound					
DOMESTIC												
18	193	---	---	184	---	9	184	---	---	184	---	---
17	4,879	---	---	4,861	---	18	4,904	---	---	4,890	---	14
16	35	---	---	18	1	16	57	---	---	21	---	36
15	48	---	---	13	1	34	46	---	---	15	2	29
14	799	---	---	681	84	34	742	---	---	706	11	25
13	136	---	---	57	54	25	67	---	---	59	2	6
≤ 12	15,294	7,738	49	5,652	677	1,178	15,324	7,739	74	5,556	749	1,206
	Total trips:										46,243	

SEATTLE HARBOR, WA

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	52,366	34,666	130	13,089	2,415	2,066	52,547	34,718	132	13,185	2,485	2,027
FOREIGN												
Total	2,690	1,101	10	778	792	9	2,837	1,154	9	810	855	9
38	14	14	---	---	---	---	62	62	---	---	---	---
37	22	21	1	---	---	---	34	34	---	---	---	---
36	30	30	---	---	---	---	121	121	---	---	---	---
35	33	33	---	---	---	---	21	21	---	---	---	---
34	41	41	---	---	---	---	45	45	---	---	---	---
33	64	64	---	---	---	---	56	56	---	---	---	---
32	49	47	2	---	---	---	62	62	---	---	---	---
31	78	78	---	---	---	---	71	70	1	---	---	---
30	92	92	---	---	---	---	78	78	---	---	---	---
29	75	73	2	---	---	---	149	149	---	---	---	---
28	66	65	1	---	---	---	30	30	---	---	---	---
27	85	85	---	---	---	---	30	29	1	---	---	---
26	78	78	---	---	---	---	59	57	2	---	---	---
25	59	59	---	---	---	---	31	31	---	---	---	---
24	62	62	---	---	---	---	55	55	---	---	---	---
23	58	57	1	---	---	---	93	93	---	---	---	---
22	33	31	---	---	2	---	22	21	---	1	---	---
21	31	28	---	---	3	---	15	14	1	---	---	---
20	27	23	1	---	3	---	17	16	1	---	---	---
19	17	15	1	---	1	---	11	11	---	---	---	---
≤ 18	1,676	105	1	778	783	9	1,775	99	3	809	855	9
DOMESTIC												
Total	49,676	33,565	120	12,311	1,623	2,057	49,710	33,564	123	12,375	1,630	2,018
37	1	---	1	---	---	---	---	---	---	---	---	---
36	1	1	---	---	---	---	---	---	---	---	---	---
35	1	1	---	---	---	---	1	1	---	---	---	---
34	1	---	1	---	---	---	2	1	1	---	---	---
33	9	9	---	---	---	---	11	11	---	---	---	---
32	6	6	---	---	---	---	21	21	---	---	---	---
31	4	3	1	---	---	---	9	7	2	---	---	---
30	2	1	1	---	---	---	11	10	1	---	---	---
29	3	3	---	---	---	---	7	7	---	---	---	---
28	12	10	2	---	---	---	13	13	---	---	---	---
27	25	24	1	---	---	---	19	19	---	---	---	---
26	22	21	1	---	---	---	13	11	2	---	---	---
25	19	17	2	---	---	---	11	11	---	---	---	---
24	5	4	1	---	---	---	3	3	---	---	---	---
23	3	3	---	---	---	---	3	3	---	---	---	---
22	146	1	---	145	---	---	140	1	---	139	---	---
21	4	---	---	---	1	3	---	---	---	---	---	---
20	34	---	---	32	2	---	34	---	---	32	2	---
19	79	1	---	74	2	2	74	---	---	73	---	1
≤ 18	49,299	33,460	109	12,060	1,618	2,052	49,338	33,445	117	12,131	1,628	2,017
	Total trips:										104,913	

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
LAKE WASHINGTON SHIP CANAL, WA												
Grand Total	Upbound				Downbound							
	3,211	1,398	6	1,216	516	75	3,180	1,364	7	1,207	529	73
FOREIGN												
Total	214	46	1	83	84	---	288	25	2	133	127	1
29	1	1	---	---	---	---	1	1	---	---	---	---
≤ 22	213	45	1	83	84	---	287	24	2	133	127	1
DOMESTIC												
Total	2,997	1,352	5	1,133	432	75	2,892	1,339	5	1,074	402	72
≤ 22	2,997	1,352	5	1,133	432	75	2,892	1,339	5	1,074	402	72
Total trips:											6,391	
EVERETT HARBOR AND SNOHOMISH RIVER, WA												
Grand Total	Inbound					Outbound						
	3,766	1,538	9	1,696	456	67	3,671	1,540	8	1,714	344	65
FOREIGN												
Total	418	85	---	133	198	2	342	87	---	101	154	---
39	---	---	---	---	---	---	2	2	---	---	---	---
37	1	1	---	---	---	---	---	---	---	---	---	---
36	2	2	---	---	---	---	---	---	---	---	---	---
35	---	---	---	---	---	---	1	1	---	---	---	---
34	4	4	---	---	---	---	---	---	---	---	---	---
33	2	2	---	---	---	---	12	12	---	---	---	---
32	1	1	---	---	---	---	16	16	---	---	---	---
31	2	2	---	---	---	---	3	3	---	---	---	---
30	3	2	---	---	1	---	11	11	---	---	---	---
29	---	---	---	---	---	---	1	1	---	---	---	---
28	2	2	---	---	---	---	---	---	---	---	---	---
27	5	5	---	---	---	---	4	4	---	---	---	---
26	18	18	---	---	---	---	13	13	---	---	---	---
25	1	1	---	---	---	---	2	2	---	---	---	---
24	8	8	---	---	---	---	7	7	---	---	---	---
23	4	4	---	---	---	---	8	8	---	---	---	---
22	---	---	---	---	---	---	2	---	---	---	2	---
21	2	2	---	---	---	---	1	---	---	---	1	---
20	15	15	---	---	---	---	1	1	---	---	---	---
19	---	---	---	---	---	---	1	---	---	---	1	---
≤ 18	348	16	---	133	197	2	257	6	---	101	150	---
DOMESTIC												
Total	3,348	1,453	9	1,563	258	65	3,329	1,453	8	1,613	190	65
22	21	---	---	21	---	---	23	---	---	23	---	---
19	9	---	---	9	---	---	3	---	---	3	---	---
≤ 18	3,318	1,453	9	1,533	258	65	3,303	1,453	8	1,587	190	65
Total trips:											7,437	
SWINOMISH CHANNEL, WA												
Grand Total	Upbound				Downbound							
	391	179	---	201	11	---	414	172	---	228	14	---
DOMESTIC												
Total	391	179	---	201	11	---	414	172	---	228	14	---
13	3	---	---	3	---	---	---	---	---	---	---	---
12	6	---	---	6	---	---	4	---	---	4	---	---
10	47	---	---	46	1	---	54	---	---	54	---	---
9	15	---	---	15	---	---	22	---	---	22	---	---
8	75	---	---	75	---	---	88	---	---	88	---	---
7	145	140	---	5	---	---	143	139	---	3	1	---
≤ 6	100	39	---	51	10	---	103	33	---	57	13	---
Total trips:											805	

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
ANACORTES HARBOR, WA												
Grand Total	9,291	6,108	250	2,425	76	432	9,182	6,172	232	2,269	63	446
	Inbound						Outbound					
FOREIGN												
Total	311	35	35	130	29	82	287	33	31	119	24	80
48	1	---	1	---	---	---	---	---	---	---	---	---
47	---	---	---	---	---	---	1	1	---	---	---	---
46	---	---	---	---	---	---	1	---	1	---	---	---
45	---	---	---	---	---	---	5	1	4	---	---	---
44	1	---	1	---	---	---	---	---	---	---	---	---
42	3	2	1	---	---	---	3	---	3	---	---	---
41	---	---	---	---	---	---	2	---	2	---	---	---
40	1	---	1	---	---	---	1	---	1	---	---	---
39	---	---	---	---	---	---	3	1	2	---	---	---
38	1	---	1	---	---	---	---	---	---	---	---	---
37	2	---	2	---	---	---	1	---	1	---	---	---
36	4	---	4	---	---	---	6	1	5	---	---	---
35	1	---	1	---	---	---	1	---	1	---	---	---
34	1	---	1	---	---	---	1	---	1	---	---	---
33	2	---	2	---	---	---	1	---	1	---	---	---
32	1	---	1	---	---	---	5	2	3	---	---	---
31	3	1	2	---	---	---	2	1	1	---	---	---
30	1	---	1	---	---	---	4	3	1	---	---	---
29	4	1	3	---	---	---	3	2	1	---	---	---
28	2	---	2	---	---	---	---	---	---	---	---	---
27	1	---	1	---	---	---	---	---	---	---	---	---
26	3	1	2	---	---	---	1	---	1	---	---	---
25	1	1	---	---	---	---	1	1	---	---	---	---
24	1	---	1	---	---	---	1	1	---	---	---	---
23	3	2	1	---	---	---	---	---	---	---	---	---
22	2	1	1	---	---	---	---	---	---	---	---	---
21	4	2	2	---	---	---	---	---	---	---	---	---
20	2	2	---	---	---	---	---	---	---	---	---	---
19	1	1	---	---	---	---	1	---	---	---	1	---
≤ 18	265	21	3	130	29	82	243	19	2	119	23	80
DOMESTIC												
Total	8,980	6,073	215	2,295	47	350	8,895	6,139	201	2,150	39	366
50	1	---	1	---	---	---	---	---	---	---	---	---
48	1	---	1	---	---	---	---	---	---	---	---	---
44	4	---	4	---	---	---	---	---	---	---	---	---
43	9	---	9	---	---	---	---	---	---	---	---	---
42	5	---	5	---	---	---	---	---	---	---	---	---
41	17	---	17	---	---	---	---	---	---	---	---	---
40	35	---	35	---	---	---	---	---	---	---	---	---
39	17	---	17	---	---	---	3	---	3	---	---	---
38	13	---	13	---	---	---	1	---	1	---	---	---
37	9	---	9	---	---	---	5	---	5	---	---	---
36	4	---	4	---	---	---	12	---	12	---	---	---
35	6	---	6	---	---	---	18	---	18	---	---	---
34	2	---	2	---	---	---	10	---	10	---	---	---
33	5	---	5	---	---	---	3	---	3	---	---	---
32	4	---	4	---	---	---	8	---	8	---	---	---
31	6	---	6	---	---	---	10	---	10	---	---	---
30	3	---	3	---	---	---	11	---	11	---	---	---
29	3	---	3	---	---	---	2	---	2	---	---	---
28	2	---	2	---	---	---	11	---	11	---	---	---
27	---	---	---	---	---	---	3	---	3	---	---	---
26	2	---	1	---	---	1	3	---	3	---	---	---
25	4	---	4	---	---	---	9	---	9	---	---	---
24	2	---	2	---	---	---	55	---	55	---	---	---
23	1	---	1	---	---	---	2	---	1	---	---	1
22	560	---	---	560	---	---	511	---	1	510	---	---
21	1	---	---	---	---	1	5	---	1	---	---	4
20	26	---	12	14	---	---	14	---	---	14	---	---
19	224	---	---	223	---	1	200	---	---	196	---	4
≤ 18	8,014	6,073	49	1,498	47	347	7,999	6,139	34	1,430	39	357
										Total trips:		18,473

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
BELLINGHAM BAY AND HARBOR, WA												
Grand Total	Inbound				Outbound							
	2,077	693	16	1,172	150	46	2,035	684	23	1,147	136	45
FOREIGN												
Total	366	210	13	60	83	---	348	202	21	57	68	---
33	1	1	---	---	---	---	1	1	---	---	---	---
32	1	1	---	---	---	---	---	---	---	---	---	---
31	---	---	---	---	---	---	3	3	---	---	---	---
30	4	4	---	---	---	---	6	4	2	---	---	---
29	6	5	1	---	---	---	7	7	---	---	---	---
28	8	7	1	---	---	---	10	8	2	---	---	---
27	5	4	1	---	---	---	4	1	3	---	---	---
26	2	2	---	---	---	---	11	7	4	---	---	---
25	11	9	2	---	---	---	6	3	3	---	---	---
24	1	---	1	---	---	---	8	6	2	---	---	---
23	4	2	2	---	---	---	9	7	2	---	---	---
22	2	2	---	---	---	---	3	3	---	---	---	---
21	4	3	1	---	---	---	1	1	---	---	---	---
20	5	5	---	---	---	---	3	1	2	---	---	---
19	10	9	1	---	---	---	1	---	---	---	1	---
≤ 18	302	156	3	60	83	---	275	150	1	57	67	---
DOMESTIC												
Total	1,711	483	3	1,112	67	46	1,687	482	2	1,090	68	45
33	---	---	---	---	---	---	1	1	---	---	---	---
31	---	---	---	---	---	---	1	---	1	---	---	---
24	1	---	1	---	---	---	---	---	---	---	---	---
22	330	---	---	330	---	---	328	---	---	328	---	---
21	---	---	---	---	---	---	1	---	---	---	1	---
20	3	---	1	2	---	---	1	---	---	1	---	---
19	32	---	---	32	---	---	35	---	---	33	2	---
≤ 18	1,345	483	1	748	67	46	1,320	482	---	728	65	45
											Total trips:	4,112
BLAINE HARBOR, WA (12 feet and less)												
Grand Total	Inbound				Outbound							
	7	---	---	4	3	---	5	---	---	2	3	---
											Total trips:	12
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WA (10 feet and less)												
Grand Total	Upbound				Downbound							
	13,643	13,642	---	1	---	---	13,658	13,642	---	16	---	---
											Total trips:	27,301
FLATHEAD LAKE, MT No Vessel Trips Reported												
HOQUIAM RIVER, WA (16 feet and less)												
Grand Total	Upbound				Downbound							
	153	---	---	143	10	---	103	---	---	95	8	---
											Total trips:	256
KOOTENAI RIVER, ID AND MT No Vessel Trips Reported												
NEAH BAY, WA (12 feet and less)												
Grand Total	Inbound				Outbound							
	5	---	---	3	2	---	4	---	---	3	1	---
											Total trips:	9

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 GAMBLE HARBOR, WA (12 feet and less)												
				Inbound						Outbound		
Grand Total	6	---	---	4	2	---	5	---	---	3	2	---
										Total trips:		11
QUILLAYUTE RIVER, WA No Vessel Trips Reported												
SKAGIT RIVER, WA (22 feet and less)												
				Upbound						Downbound		
Grand Total	17	8	---	9	---	---	19	7	---	12	---	---
										Total trips:		36
STILLAGUAMISH RIVER, WA No Vessel Trips Reported												
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WA (17 feet and less)												
				Upbound						Downbound		
Grand Total	63	---	---	45	18	---	46	---	---	38	8	---
										Total trips:		109
WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WA No Vessel Trips Reported												
COEUR D ALENE LAKE AND ST. JOE RIVER, ID (7 feet and less)												
				Upbound						Downbound		
Grand Total	808	---	---	808	---	---	808	---	---	808	---	---
										Total trips:		1,616
OTHER PUGET SOUND AREA PORTS, WA (56 feet and less)												
				Inbound						Outbound		
Grand Total	134,938	127,419	280	5,297	1,445	497	135,090	127,324	291	5,450	1,515	510
										Total trips:		270,028

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
METLAKATLA HARBOR, AK												
	Inbound						Outbound					
Grand Total	532	245	---	64	205	18	537	248	---	62	208	19
FOREIGN												
Total	6	6	---	---	---	---	8	8	---	---	---	---
24	2	2	---	---	---	---	5	5	---	---	---	---
23	---	---	---	---	---	---	1	1	---	---	---	---
22	2	2	---	---	---	---	2	2	---	---	---	---
21	1	1	---	---	---	---	---	---	---	---	---	---
19	1	1	---	---	---	---	---	---	---	---	---	---
DOMESTIC												
Total	526	239	---	64	205	18	529	240	---	62	208	19
13	231	231	---	---	---	---	231	231	---	---	---	---
12	16	---	---	16	---	---	21	---	---	16	5	---
11	---	---	---	---	---	---	6	---	---	---	6	---
10	34	---	---	30	---	4	34	---	---	30	4	---
9	5	---	---	4	---	1	6	---	---	4	---	2
8	7	---	---	7	---	---	8	2	---	5	---	1
7	2	---	---	---	---	2	1	---	---	---	---	1
6	20	8	---	7	3	2	14	7	---	7	---	---
5	1	---	---	---	---	1	16	---	---	---	14	2
4	52	---	---	---	52	---	111	---	---	---	109	2
3	11	---	---	---	3	8	22	---	---	---	11	11
2	147	---	---	---	147	---	59	---	---	---	59	---
Total trips:											1,069	

KETCHIKAN HARBOR, AK												
	Inbound						Outbound					
Grand Total	3,933	2,036	12	955	789	141	3,780	1,891	12	952	773	152
FOREIGN												
Total	1,005	878	---	64	61	2	851	743	---	56	51	1
37	1	1	---	---	---	---	---	---	---	---	---	---
32	---	---	---	---	---	---	1	1	---	---	---	---
31	---	---	---	---	---	---	1	1	---	---	---	---
30	3	3	---	---	---	---	3	3	---	---	---	---
29	19	18	---	---	1	---	20	20	---	---	---	---
28	5	5	---	---	---	---	8	8	---	---	---	---
27	35	35	---	---	---	---	36	36	---	---	---	---
26	62	62	---	---	---	---	62	62	---	---	---	---
25	63	63	---	---	---	---	66	66	---	---	---	---
24	49	49	---	---	---	---	49	49	---	---	---	---
23	51	51	---	---	---	---	50	50	---	---	---	---
22	40	40	---	---	---	---	42	42	---	---	---	---
21	17	17	---	---	---	---	16	16	---	---	---	---
20	5	3	---	---	---	2	2	1	---	---	---	1
19	8	8	---	---	---	---	1	1	---	---	---	---
18	25	24	---	---	1	---	25	25	---	---	---	---
17	6	4	---	---	2	---	2	2	---	---	---	---
16	10	7	---	---	3	---	6	5	---	---	1	---
15	24	5	---	8	11	---	19	5	---	6	8	---
14	21	21	---	---	---	---	33	22	---	10	1	---
13	35	15	---	18	2	---	19	7	---	10	2	---
≤ 12	526	447	---	38	41	---	390	321	---	30	39	---
DOMESTIC												
Total	2,928	1,158	12	891	728	139	2,929	1,148	12	896	722	151
28	2	---	2	---	---	---	---	---	---	---	---	---
27	1	---	1	---	---	---	---	---	---	---	---	---
26	2	---	2	---	---	---	---	---	---	---	---	---
24	3	---	3	---	---	---	---	---	---	---	---	---
22	1	---	1	---	---	---	1	---	1	---	---	---
21	1	---	1	---	---	---	---	---	---	---	---	---
20	---	---	---	---	---	---	8	---	8	---	---	---
18	---	---	---	---	---	---	1	---	1	---	---	---
17	2	---	---	---	2	---	---	---	---	---	---	---
16	41	1	2	31	---	7	40	1	2	32	---	5
15	536	446	---	87	2	1	514	446	---	65	3	---
14	111	---	---	57	52	2	123	---	---	47	76	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
KETCHIKAN HARBOR, AK - continued												
	Inbound						Outbound					
DOMESTIC												
13	566	550	---	15	---	1	566	550	---	14	---	2
≤ 12	1,662	161	---	701	672	128	1,676	151	---	738	643	144
	Total trips:											7,713
WRANGELL NARROWS, AK												
	Upbound						Downbound					
Grand Total	2,191	1,153	---	511	444	83	1,830	742	---	512	491	85
FOREIGN												
Total	2	2	---	---	---	---	2	2	---	---	---	---
≤ 12	2	2	---	---	---	---	2	2	---	---	---	---
DOMESTIC												
Total	2,189	1,151	---	511	444	83	1,828	740	---	512	491	85
17	---	---	---	---	---	---	2	---	---	---	2	---
16	34	---	---	34	---	---	26	1	---	23	---	2
15	946	874	---	70	2	---	524	442	---	81	1	---
14	85	1	---	43	41	---	90	---	---	37	53	---
13	108	74	---	32	---	2	114	74	---	38	2	---
≤ 12	1,016	202	---	332	401	81	1,072	223	---	333	433	83
	Total trips:											4,021
JUNEAU HARBOR, AK												
	Upbound						Downbound					
Grand Total	4,283	3,287	---	589	360	47	3,838	3,082	1	348	358	49
FOREIGN												
Total	392	392	---	---	---	---	391	386	1	2	2	---
24	278	278	---	---	---	---	290	289	1	---	---	---
23	32	32	---	---	---	---	34	34	---	---	---	---
22	18	18	---	---	---	---	17	17	---	---	---	---
21	15	15	---	---	---	---	6	6	---	---	---	---
19	14	14	---	---	---	---	16	15	---	---	1	---
18	13	13	---	---	---	---	9	9	---	---	---	---
16	3	3	---	---	---	---	3	2	---	1	---	---
15	4	4	---	---	---	---	4	3	---	1	---	---
14	3	3	---	---	---	---	4	4	---	---	---	---
12	---	---	---	---	---	---	1	---	---	---	1	---
11	3	3	---	---	---	---	2	2	---	---	---	---
10	6	6	---	---	---	---	3	3	---	---	---	---
8	2	2	---	---	---	---	2	2	---	---	---	---
7	1	1	---	---	---	---	---	---	---	---	---	---
DOMESTIC												
Total	3,891	2,895	---	589	360	47	3,447	2,696	---	346	356	49
20	1	---	---	1	---	---	1	---	---	1	---	---
16	32	---	---	31	---	1	32	---	---	31	---	1
15	525	458	---	67	---	---	525	458	---	67	---	---
14	91	---	---	47	44	---	91	---	---	46	45	---
13	194	186	---	7	---	1	195	186	---	8	1	---
12	33	---	---	19	10	4	31	---	---	20	8	3
11	55	37	---	17	---	1	58	37	---	18	1	2
10	78	1	---	68	1	8	76	5	---	67	3	1
9	38	30	---	5	---	3	22	12	---	5	2	3
8	41	13	---	26	1	1	54	13	---	33	3	5
7	22	4	---	11	2	5	16	3	---	10	---	3
6	334	42	---	290	---	2	89	42	---	40	1	6
5	104	---	---	---	97	7	98	---	---	---	95	3
4	13	---	---	---	12	1	8	---	---	---	7	1
3	2,008	1,872	---	---	123	13	2,011	1,872	---	---	118	21
2	321	252	---	---	69	---	139	68	---	---	71	---
1	1	---	---	---	1	---	1	---	---	---	1	---
	Total trips:											8,121

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SKAGWAY HARBOR, AK												
	Inbound						Outbound					
Grand Total	699	538	---	77	80	4	700	543	---	74	80	3
FOREIGN												
Total	308	266	---	21	20	1	308	268	---	20	20	---
36	---	---	---	---	---	---	1	1	---	---	---	---
34	---	---	---	---	---	---	1	1	---	---	---	---
30	2	2	---	---	---	---	2	2	---	---	---	---
29	---	---	---	---	---	---	4	4	---	---	---	---
28	3	3	---	---	---	---	5	5	---	---	---	---
27	64	64	---	---	---	---	71	71	---	---	---	---
26	29	29	---	---	---	---	33	32	---	---	1	---
25	59	59	---	---	---	---	53	53	---	---	---	---
24	5	5	---	---	---	---	7	7	---	---	---	---
23	34	34	---	---	---	---	34	34	---	---	---	---
22	18	18	---	---	---	---	16	16	---	---	---	---
21	5	5	---	---	---	---	5	5	---	---	---	---
20	9	8	---	1	---	---	1	---	1	---	---	---
19	13	13	---	---	---	---	10	10	---	---	---	---
18	1	1	---	---	---	---	4	4	---	---	---	---
17	21	4	---	1	15	1	4	1	---	1	2	---
16	4	4	---	---	---	---	6	6	---	---	---	---
15	21	4	---	17	---	---	21	4	---	17	---	---
14	13	12	---	---	1	---	28	12	---	---	16	---
13	1	---	---	---	1	---	---	---	---	---	---	---
≤ 12	6	1	---	2	3	---	2	---	---	1	1	---
DOMESTIC												
Total	391	272	---	56	60	3	392	275	---	54	60	3
20	1	---	---	---	---	1	---	---	---	---	---	---
17	1	---	---	1	---	---	1	---	---	1	---	---
16	16	---	---	15	---	1	15	---	---	14	---	1
15	253	233	---	20	---	---	252	233	---	19	---	---
14	16	---	---	16	---	---	16	---	---	16	---	---
13	35	35	---	---	---	---	35	35	---	---	---	---
≤ 12	69	4	---	4	60	1	73	7	---	4	60	2
Total trips:											1,399	
VALDEZ HARBOR, AK												
	Inbound						Outbound					
Grand Total	1,548	850	583	74	19	22	1,638	853	637	98	18	32
FOREIGN												
Total	48	4	20	11	11	2	49	4	23	11	11	---
59	---	---	---	---	---	---	1	---	1	---	---	---
58	1	---	1	---	---	---	9	---	9	---	---	---
52	---	---	---	---	---	---	2	---	2	---	---	---
51	1	---	1	---	---	---	2	---	2	---	---	---
50	---	---	---	---	---	---	1	---	1	---	---	---
44	---	---	---	---	---	---	1	---	1	---	---	---
42	1	---	1	---	---	---	---	---	---	---	---	---
41	---	---	---	---	---	---	1	---	1	---	---	---
40	1	---	1	---	---	---	5	---	5	---	---	---
39	1	---	1	---	---	---	---	---	---	---	---	---
38	6	---	6	---	---	---	1	---	1	---	---	---
37	4	---	3	---	---	1	---	---	---	---	---	---
36	3	---	3	---	---	---	---	---	---	---	---	---
34	1	---	1	---	---	---	---	---	---	---	---	---
29	1	---	1	---	---	---	---	---	---	---	---	---
27	1	---	1	---	---	---	---	---	---	---	---	---
25	---	---	---	---	---	---	1	1	---	---	---	---
24	2	1	---	---	---	1	1	1	---	---	---	---
23	1	1	---	---	---	---	---	---	---	---	---	---
21	1	1	---	---	---	---	1	1	---	---	---	---
20	1	1	---	---	---	---	---	---	---	---	---	---
18	---	---	---	---	---	---	2	---	---	---	2	---
16	1	---	---	---	1	---	5	---	---	---	5	---
14	2	---	---	---	2	---	2	---	---	---	2	---
≤ 12	19	---	---	11	8	---	14	1	---	11	2	---

Trips and Drafts of Vessels, 1996
(draft in feet)

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

VALDEZ HARBOR, AK - continued

	Inbound						Outbound					
DOMESTIC												
Total	1,500	846	563	63	8	20	1,589	849	614	87	7	32
72	---	---	---	---	---	---	3	---	3	---	---	---
71	---	---	---	---	---	---	3	---	3	---	---	---
70	---	---	---	---	---	---	5	---	5	---	---	---
65	---	---	---	---	---	---	1	---	1	---	---	---
59	---	---	---	---	---	---	3	---	3	---	---	---
58	---	---	---	---	---	---	13	---	13	---	---	---
57	---	---	---	---	---	---	47	---	47	---	---	---
56	---	---	---	---	---	---	20	---	20	---	---	---
55	---	---	---	---	---	---	33	---	33	---	---	---
54	---	---	---	---	---	---	10	---	10	---	---	---
53	---	---	---	---	---	---	35	---	35	---	---	---
52	---	---	---	---	---	---	31	---	31	---	---	---
51	---	---	---	---	---	---	82	---	82	---	---	---
50	---	---	---	---	---	---	67	---	67	---	---	---
49	---	---	---	---	---	---	37	---	37	---	---	---
48	---	---	---	---	---	---	22	---	22	---	---	---
47	---	---	---	---	---	---	3	---	3	---	---	---
46	---	---	---	---	---	---	3	---	3	---	---	---
45	---	---	---	---	---	---	6	---	6	---	---	---
44	---	---	---	---	---	---	7	---	7	---	---	---
43	1	---	1	---	---	---	19	---	19	---	---	---
42	3	---	3	---	---	---	13	---	13	---	---	---
41	6	---	6	---	---	---	24	---	24	---	---	---
40	18	---	18	---	---	---	52	---	52	---	---	---
39	23	---	23	---	---	---	17	---	17	---	---	---
38	24	---	24	---	---	---	22	---	22	---	---	---
37	18	---	18	---	---	---	11	---	11	---	---	---
36	24	---	24	---	---	---	8	---	8	---	---	---
35	30	---	30	---	---	---	8	---	8	---	---	---
34	17	---	17	---	---	---	3	---	3	---	---	---
33	5	---	5	---	---	---	4	---	4	---	---	---
32	8	---	8	---	---	---	---	---	---	---	---	---
31	6	---	6	---	---	---	---	---	---	---	---	---
30	2	---	2	---	---	---	1	---	1	---	---	---
28	3	---	3	---	---	---	1	---	1	---	---	---
25	54	---	54	---	---	---	---	---	---	---	---	---
24	68	---	68	---	---	---	---	---	---	---	---	---
23	23	---	23	---	---	---	2	---	2	---	---	2
22	1	---	1	---	---	---	1	---	1	---	---	1
21	---	---	---	---	---	---	1	---	1	---	---	1
20	24	---	21	3	---	---	4	---	2	---	---	2
19	---	---	---	---	---	---	3	---	---	---	---	3
18	11	---	10	1	---	---	1	---	1	---	---	---
17	11	1	---	10	---	---	10	1	---	9	---	---
16	2	---	---	---	---	2	15	---	1	---	---	14
15	16	---	---	13	1	2	25	---	24	1	---	---
14	60	43	8	8	1	---	59	43	12	1	---	3
13	5	---	---	4	---	1	5	---	2	---	---	3
≤ 12	1,037	802	190	24	6	15	849	805	36	5	---	3
										Total trips:		3,186

SEWARD HARBOR, AK

	Inbound						Outbound					
Grand Total	569	527	---	13	29	---	579	527	---	15	37	---
FOREIGN												
Total	116	116	---	---	---	---	118	118	---	---	---	---
38	---	---	---	---	---	---	7	7	---	---	---	---
33	---	---	---	---	---	---	1	1	---	---	---	---
30	2	2	---	---	---	---	2	2	---	---	---	---
29	6	6	---	---	---	---	6	6	---	---	---	---
28	3	3	---	---	---	---	3	3	---	---	---	---
27	13	13	---	---	---	---	13	13	---	---	---	---
26	34	34	---	---	---	---	28	28	---	---	---	---
25	12	12	---	---	---	---	11	11	---	---	---	---
24	7	7	---	---	---	---	9	9	---	---	---	---
23	11	11	---	---	---	---	12	12	---	---	---	---
22	7	7	---	---	---	---	5	5	---	---	---	---
21	1	1	---	---	---	---	---	---	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SEWARD HARBOR, AK - continued												
	Inbound						Outbound					
FOREIGN												
20	1	1	---	---	---	---	---	---	---	---	---	---
19	---	---	---	---	---	---	1	1	---	---	---	---
18	12	12	---	---	---	---	11	11	---	---	---	---
16	6	6	---	---	---	---	5	5	---	---	---	---
15	---	---	---	---	---	---	1	1	---	---	---	---
12	---	---	---	---	---	---	2	2	---	---	---	---
11	---	---	---	---	---	---	1	1	---	---	---	---
4	1	1	---	---	---	---	---	---	---	---	---	---
DOMESTIC												
Total	453	411	---	13	29	---	461	409	---	15	37	---
20	2	---	---	1	1	---	2	---	---	2	---	---
17	1	---	---	---	---	---	1	---	---	1	---	---
15	4	---	---	---	4	---	3	---	---	---	3	---
14	58	58	---	---	---	---	58	58	---	---	---	---
12	4	---	---	3	1	---	23	---	---	3	20	---
11	---	---	---	---	---	---	2	---	---	---	2	---
9	136	128	---	8	---	---	135	126	---	9	---	---
8	91	91	---	---	---	---	90	90	---	---	---	---
7	45	45	---	---	---	---	78	78	---	---	---	---
6	86	86	---	---	---	---	54	54	---	---	---	---
5	2	2	---	---	---	---	6	3	---	---	3	---
3	17	1	---	---	16	---	4	---	---	---	4	---
2	7	---	---	---	7	---	5	---	---	---	5	---
											Total trips:	1,148
HOMER, AK												
	Inbound						Outbound					
Grand Total	361	286	10	42	16	7	357	285	9	43	15	5
FOREIGN												
Total	53	37	10	3	3	---	52	37	9	3	3	---
27	17	15	2	---	---	---	22	20	2	---	---	---
26	6	4	2	---	---	---	5	3	2	---	---	---
25	5	2	3	---	---	---	3	1	2	---	---	---
24	3	2	---	---	1	---	3	3	---	---	---	---
23	1	---	1	---	---	---	---	---	---	---	---	---
22	5	3	2	---	---	---	3	1	2	---	---	---
21	2	2	---	---	---	---	5	4	1	---	---	---
20	3	3	---	---	---	---	4	3	---	---	1	---
19	2	2	---	---	---	---	1	1	---	---	---	---
18	1	1	---	---	---	---	---	---	---	---	---	---
17	2	2	---	---	---	---	1	1	---	---	---	---
16	2	1	---	1	---	---	3	---	---	1	2	---
10	4	---	---	2	2	---	2	---	---	2	---	---
DOMESTIC												
Total	308	249	---	39	13	7	305	248	---	40	12	5
17	9	---	---	9	---	---	10	---	---	10	---	---
16	4	1	---	---	---	3	1	1	---	---	---	---
15	16	---	---	6	10	---	17	---	---	6	10	1
14	125	119	---	4	---	2	125	119	---	5	1	---
13	1	---	---	1	---	---	1	---	---	1	---	---
12	8	---	---	7	1	---	8	---	---	8	---	---
11	---	---	---	---	---	---	1	---	---	---	---	1
10	9	---	---	9	---	---	9	---	---	9	---	---
9	1	---	---	1	---	---	1	---	---	1	---	---
8	2	---	---	2	---	---	---	---	---	---	---	---
6	2	2	---	---	---	---	---	---	---	---	---	---
5	1	---	---	---	---	1	2	1	---	---	---	1
4	87	86	---	---	1	---	121	121	---	---	---	---
3	18	18	---	---	---	---	3	2	---	---	---	1
2	25	23	---	---	1	1	5	3	---	---	1	1
											Total trips:	718

Trips and Drafts of Vessels, 1996
(draft in feet)

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

ANCHORAGE, AK

	Inbound						Outbound					
Grand Total	420	260	38	61	32	29	463	271	39	69	56	28

FOREIGN

Total	59	34	20	2	3	---	97	45	22	4	26	---
35	2	---	2	---	---	---	4	1	3	---	---	---
34	1	---	1	---	---	---	5	1	4	---	---	---
33	5	---	5	---	---	---	2	1	1	---	---	---
32	2	1	1	---	---	---	24	20	4	---	---	---
31	---	---	---	---	---	---	1	1	1	---	---	---
30	1	---	1	---	---	---	3	1	2	---	---	---
29	2	1	1	---	---	---	---	---	---	---	---	---
28	9	8	1	---	---	---	6	6	---	---	---	---
27	1	1	---	---	---	---	2	1	1	---	---	---
26	2	---	2	---	---	---	5	3	2	---	---	---
25	8	5	3	---	---	---	3	3	---	---	---	---
24	6	4	2	---	---	---	4	4	---	---	---	---
23	1	1	---	---	---	---	2	1	1	---	---	---
22	1	1	---	---	---	---	2	1	1	---	---	---
21	1	---	1	---	---	---	---	---	---	---	---	---
20	1	1	---	---	---	---	---	---	---	---	---	---
19	6	5	---	---	1	---	2	1	1	---	---	---
18	6	6	---	---	---	---	---	---	---	---	---	---
16	---	---	---	---	---	---	1	---	---	---	1	---
15	1	---	---	1	---	---	1	---	---	1	---	---
14	1	---	---	---	1	---	3	---	1	1	1	---
≤ 12	2	---	---	1	1	---	27	1	---	2	24	---

DOMESTIC

Total	361	226	18	59	29	29	366	226	17	65	30	28
36	1	---	1	---	---	---	---	---	---	---	---	---
35	1	1	---	---	---	---	---	---	---	---	---	---
34	5	1	4	---	---	---	---	---	---	---	---	---
33	12	10	2	---	---	---	---	---	---	---	---	---
32	24	21	3	---	---	---	1	1	---	---	---	---
31	30	29	1	---	---	---	1	1	---	---	---	---
30	12	11	1	---	---	---	6	6	---	---	---	---
29	3	2	1	---	---	---	11	11	---	---	---	---
28	120	118	2	---	---	---	156	151	5	---	---	---
27	5	3	2	---	---	---	15	15	---	---	---	---
26	---	---	---	---	---	---	8	7	1	---	---	---
25	24	24	---	---	---	---	31	28	3	---	---	---
24	---	---	---	---	---	---	1	---	---	---	---	1
23	1	---	---	---	---	1	---	---	---	---	---	---
22	---	---	---	---	---	---	3	---	3	---	---	---
21	2	---	---	---	2	---	---	---	---	---	---	---
20	10	---	---	8	---	2	11	---	2	8	---	1
19	2	---	---	---	---	2	2	---	---	---	---	2
17	9	---	---	8	---	1	11	---	---	9	---	2
16	7	---	---	1	---	6	8	---	---	1	1	6
15	20	---	---	12	8	---	23	---	---	13	9	1
14	21	---	---	12	7	2	23	---	---	12	6	5
13	8	1	---	1	2	4	3	1	---	1	---	1
≤ 12	44	5	1	17	12	9	52	5	3	21	14	9

Total trips: 883

KODIAK HARBOR, AK

	Inbound						Outbound					
Grand Total	548	293	4	73	176	2	541	305	3	81	150	2

FOREIGN

Total	154	7	---	---	147	---	134	9	---	---	125	---
26	---	---	---	---	---	---	1	1	---	---	---	---
20	1	1	---	---	---	---	1	1	---	---	---	---
18	---	---	---	---	---	---	1	1	---	---	---	---
17	1	1	---	---	---	---	1	1	---	---	---	---
16	1	1	---	---	---	---	1	1	---	---	---	---
15	2	2	---	---	---	---	2	2	---	---	---	---
12	---	---	---	---	---	---	124	---	---	---	124	---
11	---	---	---	---	---	---	2	1	---	---	1	---
10	1	1	---	---	---	---	1	1	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
KODIAK HARBOR, AK - continued												
	Inbound						Outbound					
FOREIGN												
9	1	1	---	---	---	---	---	---	---	---	---	---
6	147	---	---	---	147	---	---	---	---	---	---	---
DOMESTIC												
Total	394	286	4	73	29	2	407	296	3	81	25	2
30	5	5	---	---	---	---	8	8	---	---	---	---
29	12	12	---	---	---	---	11	11	---	---	---	---
28	27	24	3	---	---	---	26	26	---	---	---	---
27	15	15	---	---	---	---	12	12	---	---	---	---
26	8	7	1	---	---	---	5	5	---	---	---	---
25	6	6	---	---	---	---	6	6	---	---	---	---
24	23	23	---	---	---	---	24	24	---	---	---	---
15	30	3	---	27	---	---	20	2	---	18	---	---
14	119	110	---	7	---	2	116	110	---	6	---	---
13	13	9	---	4	---	---	19	10	---	8	---	1
12	32	12	---	2	18	---	11	11	---	---	---	---
11	2	2	---	---	---	---	4	3	---	---	---	1
10	12	1	---	11	---	---	27	1	---	26	---	---
9	30	17	---	13	---	---	68	53	---	15	---	---
8	9	---	---	9	---	---	16	5	3	8	---	---
4	4	3	---	---	1	---	6	3	---	---	3	---
3	4	---	---	---	4	---	17	---	---	---	17	---
2	43	37	---	---	6	---	11	6	---	---	5	---
											Total trips:	1,089

UNALASKA BAY AND ISLAND, AK												
	Inbound						Outbound					
Grand Total	1,296	1,034	---	163	24	75	1,266	995	---	171	27	73
FOREIGN												
Total	484	479	---	4	1	---	491	488	---	3	---	---
34	52	52	---	---	---	---	52	52	---	---	---	---
33	10	10	---	---	---	---	14	14	---	---	---	---
32	13	13	---	---	---	---	9	9	---	---	---	---
31	3	3	---	---	---	---	2	2	---	---	---	---
30	7	7	---	---	---	---	9	9	---	---	---	---
29	1	1	---	---	---	---	2	2	---	---	---	---
28	3	3	---	---	---	---	3	3	---	---	---	---
27	4	4	---	---	---	---	4	4	---	---	---	---
26	1	1	---	---	---	---	1	1	---	---	---	---
25	6	6	---	---	---	---	7	7	---	---	---	---
24	4	4	---	---	---	---	6	6	---	---	---	---
23	10	10	---	---	---	---	11	11	---	---	---	---
22	18	18	---	---	---	---	21	21	---	---	---	---
21	14	14	---	---	---	---	17	17	---	---	---	---
20	20	20	---	---	---	---	35	35	---	---	---	---
19	35	35	---	---	---	---	48	48	---	---	---	---
18	53	53	---	---	---	---	51	51	---	---	---	---
17	43	42	---	1	---	---	44	43	---	1	---	---
16	65	65	---	---	---	---	43	43	---	---	---	---
15	33	32	---	1	---	---	24	24	---	---	---	---
14	24	24	---	---	---	---	29	29	---	---	---	---
13	22	21	---	1	---	---	20	19	---	1	---	---
12	19	19	---	---	---	---	16	16	---	---	---	---
11	8	8	---	---	---	---	9	9	---	---	---	---
10	8	8	---	---	---	---	7	7	---	---	---	---
9	1	1	---	---	---	---	2	2	---	---	---	---
8	1	1	---	---	---	---	1	---	---	1	---	---
7	3	2	---	1	---	---	1	1	---	---	---	---
6	1	1	---	---	---	---	2	2	---	---	---	---
5	1	---	---	---	1	---	---	---	---	---	---	---
4	1	1	---	---	---	---	1	1	---	---	---	---
DOMESTIC												
Total	812	555	---	159	23	75	775	507	---	168	27	73
34	5	5	---	---	---	---	1	1	---	---	---	---
33	6	6	---	---	---	---	1	1	---	---	---	---
32	8	8	---	---	---	---	2	2	---	---	---	---
31	4	4	---	---	---	---	4	4	---	---	---	---

Trips and Drafts of Vessels, 1996
(draft in feet)

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

UNALASKA BAY AND ISLAND, AK - continued

Inbound							Outbound					
DOMESTIC												
30	11	11	---	---	---	---	2	2	---	---	---	---
29	8	8	---	---	---	---	2	2	---	---	---	---
28	12	12	---	---	---	---	13	13	---	---	---	---
27	7	7	---	---	---	---	7	7	---	---	---	---
26	2	2	---	---	---	---	6	6	---	---	---	---
24	13	13	---	---	---	---	13	13	---	---	---	---
23	3	---	---	---	---	3	2	---	---	---	---	2
21	---	---	---	---	---	---	1	---	---	---	---	1
20	21	15	---	4	---	2	5	---	4	---	---	1
19	1	1	---	---	---	---	2	2	---	---	---	---
18	3	---	---	---	---	3	3	1	---	---	---	2
17	16	1	---	14	---	1	16	2	---	13	---	1
16	78	63	---	4	---	11	30	17	---	4	---	9
15	82	25	---	52	1	4	87	23	---	60	2	2
14	45	28	---	15	2	---	44	30	---	12	2	---
13	80	72	---	6	---	2	77	74	---	2	1	---
12	136	128	---	1	5	2	184	172	---	5	7	---
11	43	36	---	5	---	---	42	35	---	4	---	3
10	112	78	---	30	1	3	119	70	---	43	---	6
9	26	16	---	3	---	---	25	16	---	---	---	9
8	43	16	---	25	---	2	38	14	---	21	---	3
7	7	---	---	---	---	7	11	---	---	---	2	9
6	6	---	---	---	3	3	8	---	---	---	4	4
5	2	---	---	---	1	1	3	---	---	---	1	2
4	4	---	---	---	4	---	4	---	---	---	3	1
3	5	---	---	---	---	5	8	---	---	---	1	7
2	23	---	---	---	4	19	15	---	---	---	4	11
											Total trips:	2,562

BETHEL HARBOR, AK
(15 feet and less)

Inbound							Outbound					
Grand Total	256	11	---	110	125	10	263	10	---	112	130	11
											Total trips:	519

CORDOVA HARBOR, AK
(20 feet and less)

Inbound							Outbound					
Grand Total	216	177	---	36	3	---	206	177	---	26	3	---
											Total trips:	422

CRAIG HARBOR, AK
(15 feet and less)

Inbound							Outbound					
Grand Total	118	1	---	58	47	12	118	1	---	56	49	12
											Total trips:	236

DILLINGHAM HARBOR, AK
(17 feet and less)

Inbound							Outbound					
Grand Total	66	5	---	17	23	21	73	5	---	18	26	24
											Total trips:	139

DOUGLAS HARBOR, AK
(9 feet and less)

Inbound							Outbound					
Grand Total	886	761	---	125	---	---	886	761	---	125	---	---
											Total trips:	1,772

DRY PASS, AK
No Vessel Trips Reported

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
EGEGIK RIVER, AK (13 feet and less)												
				Inbound						Outbound		
Grand Total	34	3	---	7	20	4	33	3	---	9	17	4
										Total trips:		67
ELFIN COVE HARBOR, AK (10 feet and less)												
				Inbound						Outbound		
Grand Total	7	---	---	3	---	4	9	---	---	5	---	4
										Total trips:		16
GASTINEAU CHANNEL, AK No Vessel Trips Reported												
HOONAH HARBOR, AK (19 feet and less)												
				Inbound						Outbound		
Grand Total	386	293	---	50	33	10	373	291	---	41	31	10
										Total trips:		759
HUMBOLDT HARBOR, AK (19 feet and less)												
				Inbound						Outbound		
Grand Total	216	167	---	39	4	6	212	164	---	37	4	7
										Total trips:		428
KAKE HARBOR, AK (25 feet and less)												
				Inbound						Outbound		
Grand Total	375	138	---	85	142	10	375	138	---	89	138	10
										Total trips:		750
KING COVE LAGOON, AK (19 feet and less)												
				Inbound						Outbound		
Grand Total	233	167	---	62	3	1	208	164	---	41	3	---
										Total trips:		441
NAKNEK RIVER, AK (20 feet and less)												
				Upbound						Downbound		
Grand Total	121	13	---	45	51	12	108	16	---	41	42	9
										Total trips:		229
NINILCHIK HARBOR, AK (4 feet and less)												
				Inbound						Outbound		
Grand Total	11	11	---	---	---	---	11	11	---	---	---	---
										Total trips:		22
NOME, AK (20 feet and less)												
				Inbound						Outbound		
Grand Total	62	15	---	23	21	3	61	16	---	22	21	2
										Total trips:		123

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
OLD HARBOR, AK (14 feet and less)												
				Inbound						Outbound		
Grand Total	12	12	---	---	---	---	12	12	---	---	---	---
										Total trips:		24
PELICAN HARBOR, AK (16 feet and less)												
				Inbound						Outbound		
Grand Total	59	19	---	18	15	7	60	19	---	19	15	7
										Total trips:		119
PETERSBURG HARBOR, AK (16 feet and less)												
				Inbound						Outbound		
Grand Total	1,254	553	---	362	298	41	1,252	554	---	358	301	39
										Total trips:		2,506
PORT ALEXANDER, AK No Vessel Trips Reported												
SELDOVIA HARBOR, AK (17 feet and less)												
				Inbound						Outbound		
Grand Total	160	151	---	9	---	---	171	161	---	10	---	---
										Total trips:		331
SERGIUS AND WHITESTONE NARROWS, AK (15 feet and less)												
				Upbound						Downbound		
Grand Total	498	140	---	138	205	15	514	131	---	165	200	18
										Total trips:		1,012
SITKA HARBOR, AK (25 feet and less)												
				Inbound						Outbound		
Grand Total	2,387	1,934	---	231	204	18	2,402	1,955	---	218	213	16
										Total trips:		4,789
STIKINE RIVER, AK (4 feet and less)												
				Inbound						Outbound		
Grand Total	139	87	---	26	26	---	139	87	---	26	26	---
										Total trips:		278
WRANGELL HARBOR, AK (19 feet and less)												
				Inbound						Outbound		
Grand Total	1,157	610	---	241	291	15	1,149	608	---	234	292	15
										Total trips:		2,306
CHATHAM STRAIT, AK (31 feet and less)												
				Upbound						Downbound		
Grand Total	2,191	1,480	---	310	348	53	2,296	1,502	1	358	355	80
										Total trips:		4,487

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
CLARENCE STRAIT, AK (25 feet and less)												
				Upbound						Downbound		
Grand Total	2,262	1,049	---	599	519	95	2,284	1,063	1	597	539	84
										Total trips:		4,546
FREDERICK SOUND, AK (31 feet and less)												
				Upbound						Downbound		
Grand Total	1,758	762	---	438	489	69	2,174	1,190	1	432	482	69
										Total trips:		3,932
ICY STRAIT, AK (36 feet and less)												
				Upbound						Downbound		
Grand Total	3,213	2,748	---	249	178	38	3,191	2,713	---	256	190	32
										Total trips:		6,404
KLAWOCK, AK (17 feet and less)												
				Inbound						Outbound		
Grand Total	120	23	---	56	27	14	132	25	---	56	37	14
										Total trips:		252
LYNN CANAL, AK (36 feet and less)												
				Upbound						Downbound		
Grand Total	2,586	2,178	---	200	191	17	2,607	2,151	---	243	184	29
										Total trips:		5,193
NICHOLS PASSAGE, AK (24 feet and less)												
				Upbound						Downbound		
Grand Total	534	246	---	61	208	19	532	247	---	63	205	17
										Total trips:		1,066
NIKISHKA, AK (39 feet and less)												
				Inbound						Outbound		
Grand Total	178	3	104	47	11	13	211	4	108	59	18	22
										Total trips:		389
PRINCE OF WALES IS. WEST SIDE, AK (32 feet and less)												
				Inbound						Outbound		
Grand Total	354	37	---	177	100	40	359	48	---	181	94	36
										Total trips:		713
REVILLAGIGADO CHANNEL, AK (37 feet and less)												
				Upbound						Downbound		
Grand Total	2,916	2,034	12	440	342	88	2,649	1,879	11	360	328	71
										Total trips:		5,565
STEPHENS PASSAGE, AK (31 feet and less)												
				Upbound						Downbound		
Grand Total	3,332	2,417	---	428	423	64	3,144	2,449	1	286	372	36
										Total trips:		6,476

Trips and Drafts of Vessels, 1996
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SUMNER STRAIT, AK (17 feet and less)												
				Upbound							Downbound	
Grand Total	2,266	1,259	---	427	509	71	1,889	829	---	444	534	82
										Total trips:		4,155
TONGASS NARROWS, AK (27 feet and less)												
				Upbound							Downbound	
Grand Total	1,262	231	1	539	403	88	1,120	216	---	453	399	52
										Total trips:		2,382

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