
WATERBORNE COMMERCE OF THE UNITED STATES

Calendar Year 2001

Part 4—
Waterways and Harbors
Pacific Coast, Alaska and Hawaii

Department of the Army
Corps of Engineers

Institute for Water Resources

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WATERBORNE COMMERCE OF THE UNITED STATES

Calendar Year 2001

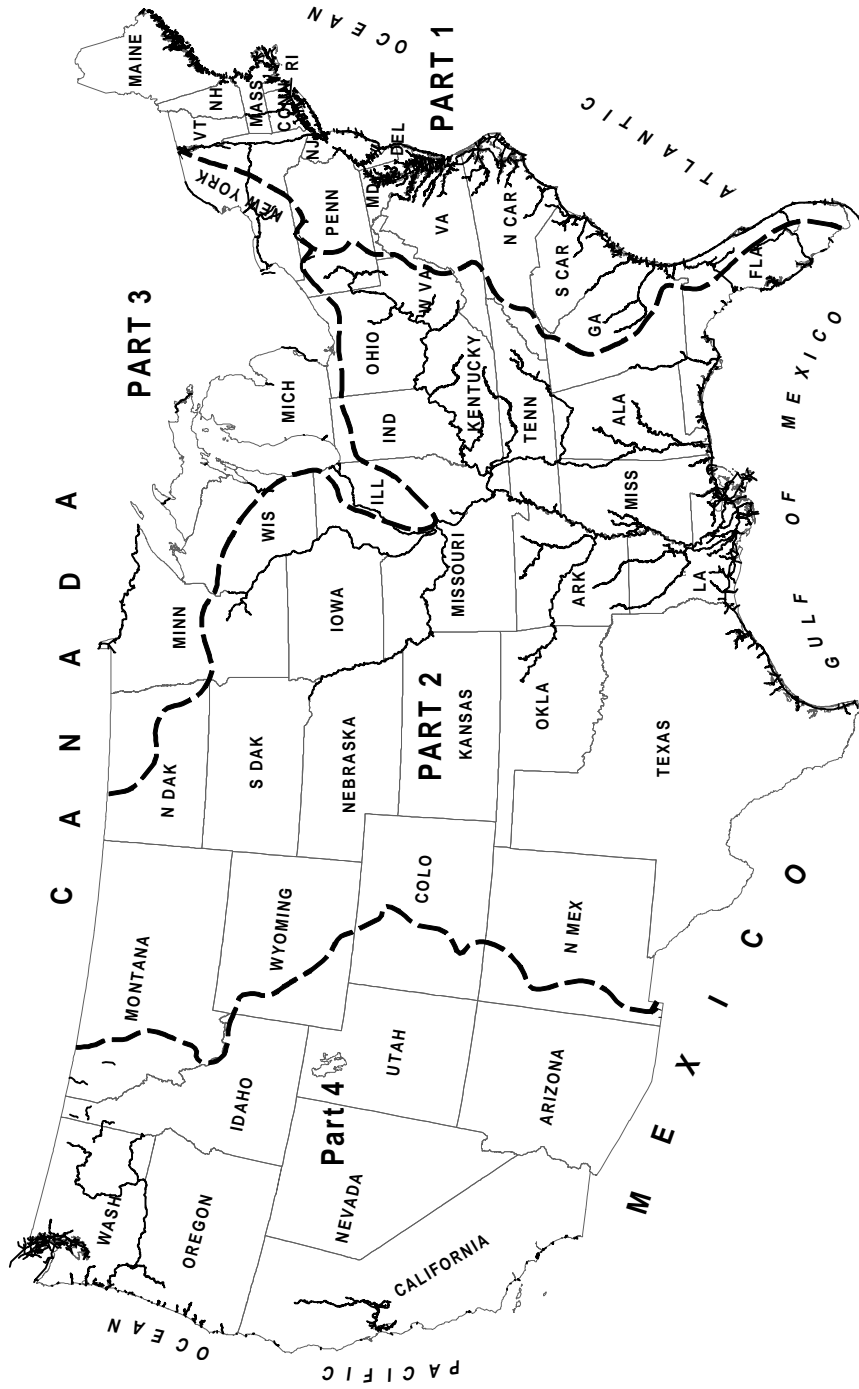
Part 4—
Waterways and Harbors
Pacific Coast, Alaska and Hawaii

Compiled under the supervision of
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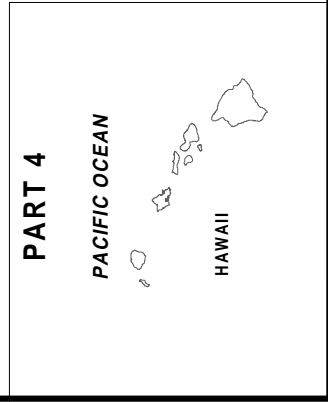
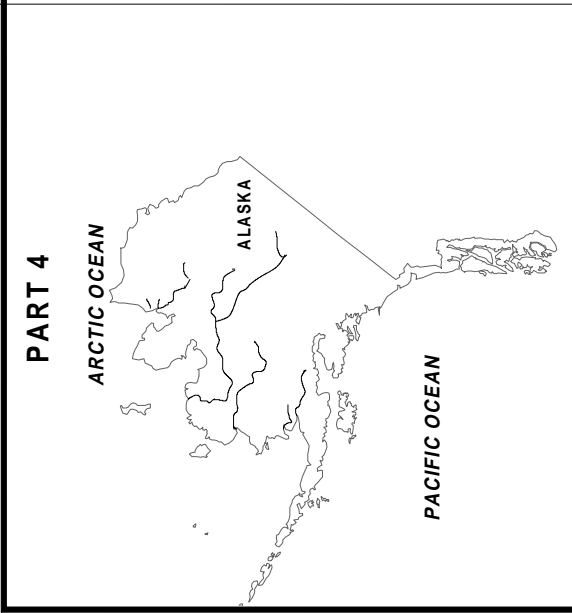
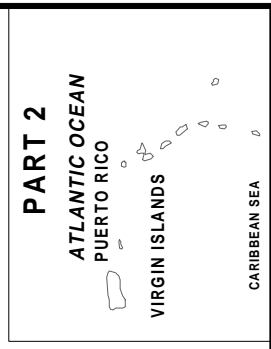
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Geographical Areas Covered by
Waterborne Commerce Statistics Publications
of the
DEPARTMENT OF THE ARMY CORPS OF ENGINEERS
(Heavy broken lines indicate the limits embraced by
each part of the five part series)



WATERBORNE COMMERCE OF THE UNITED STATES

- Part 1 - Atlantic Coast
- Part 2 - Gulf Coast, Mississippi River System and Antilles
- Part 3 - Great Lakes
- Part 4 - Pacific Coast, Alaska and Hawaii
- Part 5 - Waterborne Commerce of the United States
(National Summary)



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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.

Data on foreign commerce are supplied to the Corps of Engineers by the U.S. Bureau of the Census, U.S. Customs, and purchased from the Journal of Commerce, Port Import Export Reporting Service.

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.

Foreign Commerce

Foreign commerce is waterborne import, export and in-transit traffic between the United States, Puerto Rico and the Virgin Islands and any foreign country. These statistics do not include traffic between any foreign country and the United States Territories and Possessions (American Samoa, Guam, North Mariana Islands and U.S. Outlying Islands).

Beginning with the calendar year 2000 publication, foreign waterborne import, export and in-transit cargo statistics are derived primarily from data purchased from the Port Import Export Reporting Service, a division of the Journal of Commerce and supplemented by data furnished to the Corps of Engineers by the U.S. Bureau of the Census and the U.S. Customs Service. Foreign cargo is matched to vessel moves to improve geographic specificity.

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 International 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, exports, and in-transits, 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

Domestic and foreign ton-miles are calculated by multiplying the tons of the commerce being moved by the number of miles actually moved on the waterway or channel as defined for each freight table. 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. The number of trips also includes vessels engaged in foreign trade. These moves are furnished by the U.S. Customs Service and processed by the U.S. Maritime Administration.

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

Beginning in calendar year 2000, the tonnage of fish landings are no longer included in this publication.

Passenger totals are not included in this publication but are available on request. Passenger data not relevant to transportation such as excursions, sight-seeing, and floating casinos are no longer collected as of calendar year 2001.

Beginning in calendar year 2001, the movement of tugboats used to assist larger vessels within the districts of New England (Boston), New York, New Orleans, Galveston (Houston) are no longer collected.

The calendar year 2001 **WCSC, Parts 1-5** publications include the revised tonnage for the calendar year 2000 inbound foreign crude petroleum.

Terminology

Types of Traffic

Foreign

Inbound: Includes waterborne imports and inbound in-transit merchandise.

Imports

Overseas: Inbound merchandise originating in foreign countries other than Canada and arriving by marine vessel for direct U.S. consumption and entries into custom bonded storage and manufacturing warehouses.

Canadian: Inbound merchandise originating in Canada and arriving by marine vessel for direct U.S. consumption and entries into custom bonded storage and manufacturing warehouses.

Inbound In-transits: Merchandise coming into the United States by marine vessel from a foreign country and shipped to a foreign country without having been entered as an import. In-transit merchandise is treated as inbound when unloaded from a marine vessel.

Outbound: Includes waterborne exports and outbound in-transit merchandise.

Exports

Overseas: Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone shipped by marine vessel to foreign countries other than Canada.

Canadian: Outbound domestic merchandise and re-export of foreign merchandise from a U.S. foreign trade zone shipped by marine vessel to Canada.

Outbound In-transits: Merchandise coming into the United States from a foreign country and shipped by marine vessel to a foreign country without having been entered as an import. In-transit merchandise is treated as outbound when loaded onto a marine vessel.

Domestic

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

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

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

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

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

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

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

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

Traffic Direction

Waterways

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

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

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

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

Ports

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

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

Commodity Descriptions: The first two digits of the Waterborne Commerce Statistics Center (WCSC) publication codes correspond with the Lock Performance Monitoring System (LPMS) commodity codes. Both LPMS and WCSC codes were standardized to reflect the hierarchical structure of the Standard International 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 and foreign ton-miles are calculated by multiplying the tons of commerce being moved by the number of miles actually moved on the waterway or channel as defined for each freight table (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 activity on a waterway or channel. Ton-miles are not computed for ports.

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

Ton-miles are rounded to the nearest thousand.

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

Commodity Classification List

Major Grouping

Minor Grouping

Pub Group Pub Name

00 Units

0200 Vehicles
0300 Passengers

10 Coal

1100 Coal
1200 Coal Coke

20 Petroleum & Petroleum Products

21 Crude Petroleum

2100 Crude Petroleum

22-29 Petroleum Products

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

30 Chemicals and Related Products

31 Fertilizers

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

32 Other Chemicals and Related Products

3211 Acyclic Hydrocarbons
3212 Benzene & Toluene
3219 Other Hydrocarbons
3220 Alcohols
3230 Carboxylic Acids
3240 Nitrogen Func. Comp.
3250 Organo-Inorganic Comp.
3260 Organic Comp. NEC
3271 Sulphur (Liquid)
3272 Sulphuric Acid
3273 Ammonia
3274 Sodium Hydroxide
3275 Inorg. Elem., Oxides, & Halogen Salts
3276 Metallic Salts
3279 Inorganic Chem. NEC
3281 Radioactive Material
3282 Pigments & Paints

Major Grouping

Minor Grouping

Pub Group Pub Name

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

40 Crude Materials, Inedible Except Fuels

41 Forest Products, Wood and Chips

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

42 Pulp and Waste Paper

4225 Pulp & Waste Paper

43 Soil, Sand, Gravel, Rock and Stone

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

44 Iron Ore and Scrap

4410 Iron Ore
4420 Iron & Steel Scrap

45 Marine Shells

4515 Marine Shells

46 Non-Ferrous Ores and Scrap

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

47 Sulphur, Clay and Salt

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

48 Slag

4860 Slag

49 Other Non-Metal. Min.

4900 Non-Metal. Min. NEC

50 Primary Manufactured Goods

Commodity Classification List (continued)

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

Section 1

Freight Traffic

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
1992	638	1995	1,351	1998	1,873	2001	3,121
1993	1,294	1996	1,842	1999	2,659		
1994	1,167	1997	1,724	2000	3,653		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound	Outbound	Inbound	Total	Coastwise Receipts	Internal Receipts
Total, all commodities	3,121	1,904	661	88	467	425	42
Total petroleum and petroleum products	285	—	1	—	284	284	—
Subtotal petroleum products	285	—	1	—	284	284	—
2211 gasoline	6	—	—	—	6	6	—
2330 distillate fuel oil	60	—	1	—	58	58	—
2340 residual fuel oil	219	—	—	—	219	219	—
Total chemicals and related products	735	83	651	—	—	—	—
Subtotal fertilizers	83	83	—	—	—	—	—
3110 nitrogenous fert.	56	56	—	—	—	—	—
3190 fert. & mixes nec	27	27	—	—	—	—	—
Subtotal other chemicals and related products	651	—	651	—	—	—	—
3276 metallic salts	651	—	651	—	—	—	—
Total crude materials, inedible except fuels	982	758	—	41	183	141	42
Subtotal forest products, wood and chips	208	25	—	—	183	141	42
4189 lumber	141	—	—	—	141	141	—
4190 forest products nec	67	25	—	—	42	—	42
Subtotal soil, sand, gravel, rock and stone	762	721	—	41	—	—	—
4331 sand & gravel	762	721	—	41	—	—	—
Subtotal iron ore and scrap	7	7	—	—	—	—	—
4410 iron ore	7	7	—	—	—	—	—
Subtotal other non-metal. min.	6	6	—	—	—	—	—
4900 non-metal. min. nec	6	6	—	—	—	—	—
Total primary manufactured goods	698	651	—	47	—	—	—
Subtotal paper products	70	23	—	47	—	—	—
5110 newsprint	47	—	—	47	—	—	—
5120 paper & paperboard	18	18	—	—	—	—	—
5190 paper products nec	5	5	—	—	—	—	—
Subtotal lime, cement and glass	616	616	—	—	—	—	—
5220 cement & concrete	616	616	—	—	—	—	—
Subtotal primary iron and steel products	0	0	—	—	—	—	—
5330 i&s plates & sheets	0	0	—	—	—	—	—
Subtotal primary non-ferrous metal products	12	12	—	—	—	—	—
5480 fab. metal products	12	12	—	—	—	—	—
Total food and farm products	59	59	—	—	—	—	—
Subtotal vegetable products	0	0	—	—	—	—	—
6654 vegetables & prod.	0	0	—	—	—	—	—
Subtotal other agricultural products	59	59	—	—	—	—	—
6857 fruit & nuts nec	59	59	—	—	—	—	—
6885 alcoholic beverages	0	0	—	—	—	—	—
Total all manufactured equipment, machinery and products	353	344	8	—	0	0	—
7110 machinery (not elec)	6	5	0	—	0	0	—
7120 electrical machinery	0	0	—	—	—	—	—
7210 vehicles & parts	347	339	8	—	—	—	—
7220 aircraft & parts	0	—	0	—	—	—	—
Total unknown or not elsewhere classified	9	9	0	—	—	—	—
9900 unknown or nec	9	9	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
1992	52,049	1995	53,227	1998	57,745	2001	67,644
1993	54,321	1996	58,395	1999	60,883		
1994	56,522	1997	57,255	2000	69,850		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
Total, all commodities	51,561	36,865	13,815	875	6
Total coal	79	0	78	—	—
1100 coal lignite	1	0	1	—	—
1200 coal coke	78	0	78	—	—
Total petroleum and petroleum products	19,057	14,945	3,998	115	—
Subtotal crude petroleum	11,324	11,239	35	50	—
2100 crude petroleum	11,324	11,239	35	50	—
Subtotal petroleum products	7,733	3,706	3,963	64	—
2211 gasoline	773	708	1	64	—
2221 kerosene	616	616	0	—	—
2330 distillate fuel oil	756	635	122	—	—
2340 residual fuel oil	1,852	1,469	383	—	—
2350 lube oil & greases	122	3	119	—	—
2410 petro. jelly & waxes	21	15	6	—	—
2429 naphtha & solvents	337	203	134	—	—
2430 asphalt, tar & pitch	2	0	2	—	—
2540 petroleum coke	3,251	55	3,196	0	—
2640 liquid natural gas	2	1	0	—	—
Total chemicals and related products	4,653	2,079	2,173	400	—
Subtotal fertilizers	26	4	22	0	—
3110 nitrogenous fert.	1	1	0	—	—
3120 phosphatic fert.	1	0	1	—	—
3130 potassic fert.	12	0	12	—	—
3190 fert. & mixes nec	12	3	10	0	—
Subtotal other chemicals and related products	4,627	2,075	2,151	400	—
3211 acyclic hydrocarbons	11	0	11	—	—
3212 benzene & toluene	1	0	1	—	—
3219 other hydrocarbons	30	8	22	—	—
3220 alcohols	212	76	95	42	—
3230 carboxylic acids	73	42	31	0	—
3240 nitrogen func. comp.	160	22	137	—	—
3250 organo - inorg. comp.	37	9	28	—	—
3260 organic comp. nec	1,561	1,175	47	339	—
3272 sulphuric acid	8	7	1	—	—
3273 ammonia	1	0	0	—	—
3274 sodium hydroxide	34	15	2	18	—
3275 inorg. elem., oxides, & halogen salts	168	45	122	1	—
3276 metallic salts	199	29	170	0	—
3279 inorganic chem. nec	9	6	4	—	—
3281 radioactive material	3	2	0	—	—
3282 pigments & paints	56	33	22	0	—
3283 coloring mat. nec	19	9	10	—	—
3284 medicines	41	19	22	—	—
3285 perfumes & cleansers	117	41	75	0	—
3286 plastics	1,373	321	1,052	1	—
3291 pesticides	17	7	10	—	—
3292 starches, gluten, glue	46	10	35	0	—
3293 explosives	38	37	0	—	—
3297 chemical additives	141	74	67	—	—
3298 wood & resin chem.	2	1	0	—	—
3299 chem. products nec	271	85	185	0	—
Total crude materials, inedible except fuels	3,579	915	2,618	47	0
Subtotal forest products, wood and chips	190	98	46	46	—
4110 rubber & gums	9	8	1	—	—
4150 fuel wood	1	1	0	—	—
4161 wood chips	0	0	0	—	—
4170 wood in the rough	20	5	15	—	—
4189 lumber	139	72	21	46	—
4190 forest products nec	20	12	8	0	—
Subtotal pulp and waste paper	1,291	4	1,287	—	—
4225 pulp & waste paper	1,291	4	1,287	—	—
Subtotal soil, sand, gravel, rock and stone	768	757	10	1	—
4310 building stone	86	85	0	1	—
4322 limestone	6	6	0	—	—
4323 gypsum	473	470	3	—	—
4331 sand & gravel	203	196	7	0	—
Subtotal iron ore and scrap	461	0	460	0	—
4410 iron ore	0	0	—	—	—
4420 iron & steel scrap	461	0	460	0	—
Subtotal marine shells	2	0	1	—	—
4515 marine shells	2	0	1	—	—
Subtotal non-ferrous ores and scrap	136	10	126	—	—
4630 copper ore	0	0	0	—	—
4650 aluminum ore	13	7	6	—	—
4680 non-ferrous scrap	116	3	113	—	—
4690 non-ferrous ores nec	7	1	6	—	—
Subtotal sulphur, clay and salt	683	37	645	—	—
4741 sulphur, (dry)	637	19	618	—	—
4782 clay & refrac. mat.	46	19	27	—	—

LONG BEACH HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
Subtotal slag	0	0	—	—	—
4860 slag	0	0	—	—	—
Subtotal other non-metal. min.	50	8	42	—	0
4900 non-metal. min. nec	50	8	42	—	0
Total primary manufactured goods	6,920	5,869	764	285	2
Subtotal paper products	699	291	189	217	2
5110 newsprint	213	3	0	208	2
5120 paper & paperboard	333	169	155	9	0
5190 paper products nec	154	119	34	0	—
Subtotal lime, cement and glass	2,753	2,630	58	65	0
5210 lime	0	0	0	—	—
5220 cement & concrete	1,697	1,696	1	—	—
5240 glass & glass prod.	182	158	23	0	0
5290 misc. mineral prod.	874	776	34	64	—
Subtotal primary iron and steel products	1,356	1,319	37	1	—
5312 pig iron	18	17	1	—	—
5315 ferro alloys	9	7	2	—	—
5320 i&s primary forms	122	118	4	0	—
5330 i&s plates & sheets	607	596	12	0	—
5360 i&s bars & shapes	315	313	2	—	—
5370 i&s pipe & tube	219	208	11	0	—
5390 primary i&s nec	66	60	6	0	—
Subtotal primary non-ferrous metal products	2,009	1,536	471	1	0
5421 copper	114	94	19	—	0
5422 aluminum	115	96	19	0	0
5429 smelted prod. nec	348	25	323	—	0
5480 fab. metal products	1,432	1,321	110	1	0
Subtotal primary wood products	102	93	8	1	—
5540 primary wood prod.	102	93	8	1	—
Total food and farm products	4,711	1,746	2,943	20	2
Subtotal fish	408	307	100	1	0
6134 fish (not shellfish)	144	91	53	1	0
6136 shellfish	264	216	47	0	0
Subtotal grain	49	36	13	0	0
6241 wheat	1	0	1	0	—
6344 corn	13	4	10	—	—
6442 rice	33	32	1	—	0
6443 barley & rye	0	0	0	0	—
6445 oats	0	—	0	0	—
6447 sorghum grains	1	—	1	—	—
Subtotal oilseeds	77	8	69	0	—
6521 peanuts	1	0	0	—	—
6522 soybeans	45	3	42	—	—
6590 oilseeds nec	32	5	27	0	—
Subtotal vegetable products	346	161	181	4	0
6653 vegetable oils	42	27	15	1	0
6654 vegetables & prod.	304	134	166	3	0
Subtotal processed grain and animal feed	715	32	683	0	—
6746 wheat flour	5	1	4	—	—
6747 grain mill products	41	22	19	0	—
6781 hay & fodder	454	2	452	—	—
6782 animal feed, prep.	214	6	208	—	—
Subtotal other agricultural products	3,116	1,202	1,898	15	1
6811 meat, fresh, frozen	348	38	309	0	0
6817 meat, prepared	49	18	32	0	0
6822 dairy products	44	8	36	1	—
6835 fish, prepared	36	35	1	0	—
6838 tallow, animal oils	51	1	50	—	—
6839 animals & prod. nec	320	14	305	0	—
6856 bananas & plantains	220	219	0	—	0
6857 fruit & nuts nec	455	75	380	0	0
6858 fruit juices	152	117	34	0	0
6861 sugar	2	1	1	—	—
6865 molasses	46	46	0	—	—
6871 coffee	88	82	5	1	—
6872 cocoa beans	3	3	0	0	—
6885 alcoholic beverages	234	180	44	8	1
6888 water & ice	60	58	1	0	—
6889 food products nec	465	280	182	3	0
6891 tobacco & products	12	6	6	—	—
6893 cotton	499	3	496	—	—
6894 natural fibers nec	5	4	1	0	—
6899 farm products nec	27	13	14	0	—
Total all manufactured equipment, machinery and products	11,387	10,500	881	6	0
7110 machinery (not elec)	903	722	181	0	—
7120 electrical machinery	2,418	2,239	179	0	0
7210 vehicles & parts	1,108	1,040	68	0	0
7220 aircraft & parts	5	3	3	0	—
7230 ships & boats	6	4	2	0	—
7300 ordnance & access.	3	3	0	—	—
7400 manufac. wood prod.	136	127	8	0	0
7500 textile products	1,662	1,546	114	1	—

LONG BEACH HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
7600 rubber & plastic pr.	962	823	139	1	—
7900 manufac. prod. nec	4,184	3,993	188	3	0
Total unknown or not elsewhere classified	1,175	812	360	2	1
9900 unknown or nec	1,175	812	360	2	1

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	16,083	13,478	1,600	660	213	132
Total petroleum and petroleum products	14,683	12,757	942	649	211	125
Subtotal crude petroleum	10,715	10,447	207	—	—	61
2100 crude petroleum	10,715	10,447	207	—	—	61
Subtotal petroleum products	3,968	2,310	735	649	211	64
2211 gasoline	1,540	1,252	264	—	24	1
2221 kerosene	10	—	10	—	—	—
2330 distillate fuel oil	1,072	784	280	0	8	—
2340 residual fuel oil	1,194	177	139	642	177	59
2350 lube oil & greases	99	80	6	6	2	4
2429 naphtha & solvents	49	14	35	—	—	—
2990 petro. products nec	3	3	—	—	—	—
Total chemicals and related products	423	403	9	10	—	—
Subtotal other chemicals and related products	423	403	9	10	—	—
3212 benzene & toluene	8	—	8	—	—	—
3219 other hydrocarbons	3	3	—	—	—	—
3220 alcohols	22	11	—	10	—	—
3274 sodium hydroxide	35	35	—	—	—	—
3286 plastics	1	—	1	—	—	—
3297 chemical additives	352	352	—	—	—	—
3299 chem. products nec	2	2	—	—	—	—
Total crude materials, inedible except fuels	266	262	—	—	—	4
Subtotal forest products, wood and chips	248	248	—	—	—	—
4189 lumber	248	248	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	18	14	—	—	—	4
4331 sand & gravel	18	14	—	—	—	4
Total primary manufactured goods	93	1	92	—	—	—
Subtotal paper products	1	1	—	—	—	—
5120 paper & paperboard	1	1	—	—	—	—
Subtotal lime, cement and glass	92	—	92	—	—	—
5290 misc. mineral prod.	92	—	92	—	—	—
Subtotal primary non-ferrous metal products	0	—	0	—	—	—
5480 fab. metal products	0	—	0	—	—	—
Total food and farm products	3	—	—	—	0	3
Subtotal other agricultural products	3	—	—	—	0	3
6888 water & ice	3	—	—	—	0	3
Total all manufactured equipment, machinery and products	615	55	557	1	2	—
7110 machinery (not elec)	0	0	—	—	—	—
7210 vehicles & parts	2	2	—	—	—	—
7900 manufac. prod. nec	612	53	557	1	2	—

*Includes 905 (x1000) tons of foreign inbound in-transits; Includes 208 (x1000) tons of foreign outbound in-transits; Includes 3 (x1000) tons of Canadian inbound in-transits; Includes 0 (x1000) tons of Canadian outbound in-transits.

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
1992	40,104	1995	46,479	1998	44,144	2001	51,396
1993	43,623	1996	45,689	1999	42,267		
1994	43,140	1997	41,774	2000	48,128		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
Total, all commodities	44,966	29,758	14,643	559	5
Total coal	2,369	1	2,368	—	—
1100 coal lignite	2,367	1	2,366	—	—
1200 coal coke	2	0	2	—	—

LOS ANGELES HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
Total petroleum and petroleum products	10,373	7,562	2,740	71	0
Subtotal crude petroleum	3,100	2,992	108	---	0
2100 crude petroleum	3,100	2,992	108	---	0
Subtotal petroleum products	7,273	4,569	2,632	71	0
2211 gasoline	401	297	32	71	---
2221 kerosene	2,642	2,642	0	---	---
2330 distillate fuel oil	795	625	170	---	---
2340 residual fuel oil	1,125	590	535	---	---
2350 lube oil & greases	122	53	69	---	0
2410 petro. jelly & waxes	21	16	5	---	---
2429 naphtha & solvents	537	345	191	---	---
2430 asphalt, tar & pitch	1	0	1	---	---
2540 petroleum coke	1,623	0	1,623	---	---
2640 liquid natural gas	6	0	6	---	---
Total chemicals and related products	4,326	1,771	2,321	234	0
Subtotal fertilizers	11	3	8	---	---
3110 nitrogenous fert.	1	0	0	---	---
3120 phosphatic fert.	0	0	0	---	---
3130 potassic fert.	0	0	0	---	---
3190 fert. & mixes nec	10	3	7	---	---
Subtotal other chemicals and related products	4,315	1,768	2,313	234	0
3211 acyclic hydrocarbons	58	52	5	---	---
3212 benzene & toluene	43	42	1	---	---
3219 other hydrocarbons	49	16	34	---	0
3220 alcohols	111	27	84	---	0
3230 carboxylic acids	90	57	34	0	0
3240 nitrogen func. comp.	139	24	114	---	---
3250 organo - inorg. comp.	68	15	53	---	0
3260 organic comp. nec	862	593	35	234	---
3272 sulphuric acid	7	5	1	---	---
3273 ammonia	1	0	0	---	---
3274 sodium hydroxide	197	193	4	---	---
3275 inorg. elem., oxides, & halogen salts	274	59	215	0	0
3276 metallic salts	436	31	406	0	0
3279 inorganic chem. nec	13	8	5	0	0
3281 radioactive material	3	3	0	---	---
3282 pigments & paints	92	28	64	---	0
3283 coloring mat. nec	15	12	3	---	---
3284 medicines	53	27	26	---	---
3285 perfumes & cleansers	119	44	75	---	0
3286 plastics	1,249	359	890	0	0
3291 pesticides	49	7	43	---	---
3292 starches, gluten, glue	84	30	55	---	---
3293 explosives	33	32	0	---	---
3297 chemical additives	74	32	41	---	0
3298 wood & resin chem.	5	4	1	---	---
3299 chem. products nec	193	69	124	---	0
Total crude materials, inedible except fuels	3,342	431	2,684	227	0
Subtotal forest products, wood and chips	178	95	74	8	0
4110 rubber & gums	17	14	3	0	---
4150 fuel wood	1	0	0	---	---
4161 wood chips	0	0	0	---	0
4170 wood in the rough	37	7	30	0	0
4189 lumber	96	52	36	8	0
4190 forest products nec	27	23	4	---	---
Subtotal pulp and waste paper	1,453	3	1,449	1	---
4225 pulp & waste paper	1,453	3	1,449	1	---
Subtotal soil, sand, gravel, rock and stone	467	232	17	218	---
4310 building stone	66	63	2	1	---
4322 limestone	3	2	1	---	---
4323 gypsum	3	0	2	---	---
4331 sand & gravel	396	167	12	217	---
Subtotal iron ore and scrap	913	1	913	---	---
4410 iron ore	0	---	0	---	---
4420 iron & steel scrap	913	1	913	---	---
Subtotal marine shells	3	1	2	---	---
4515 marine shells	3	1	2	---	---
Subtotal non-ferrous ores and scrap	130	24	106	---	0
4630 copper ore	0	0	0	---	---
4650 aluminum ore	12	7	5	---	0
4670 manganese ore	0	---	0	---	---
4680 non-ferrous scrap	94	14	79	---	---
4690 non-ferrous ores nec	24	3	22	---	0
Subtotal sulphur, clay and salt	91	61	31	---	---
4741 sulphur, (dry)	54	52	1	---	---
4782 clay & refrac. mat.	38	8	29	---	---
Subtotal slag	1	0	1	---	---
4860 slag	1	0	1	---	---
Subtotal other non-metal. min.	107	15	92	0	---
4900 non-metal. min. nec	107	15	92	0	---

LOS ANGELES HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
Total primary manufactured goods	6,951	5,993	943	14	0
Subtotal paper products	691	368	323	0	0
5110 newsprint	79	76	3	—	—
5120 paper & paperboard	420	150	270	0	—
5190 paper products nec	192	142	50	0	0
Subtotal lime, cement and glass	1,524	1,456	56	13	0
5210 lime	0	0	0	—	—
5220 cement & concrete	778	778	1	—	—
5240 glass & glass prod.	222	190	31	0	0
5290 misc. mineral prod.	524	488	24	12	0
Subtotal primary iron and steel products	2,235	2,203	32	0	0
5312 pig iron	16	14	1	—	—
5315 ferro alloys	5	5	1	—	—
5320 i&s primary forms	1,338	1,333	5	0	0
5330 i&s plates & sheets	368	353	14	0	0
5360 i&s bars & shapes	198	197	1	0	—
5370 i&s pipe & tube	266	259	7	0	—
5390 primary i&s nec	45	43	3	0	0
Subtotal primary non-ferrous metal products	2,373	1,849	524	1	0
5421 copper	46	40	6	0	0
5422 aluminum	63	47	15	0	—
5429 smelted prod. nec	423	27	395	0	—
5480 fab. metal products	1,842	1,734	108	0	0
Subtotal primary wood products	127	118	9	0	—
5540 primary wood prod.	127	118	9	0	—
Total food and farm products	4,623	2,338	2,279	2	3
Subtotal fish	363	281	82	0	0
6134 fish (not shellfish)	123	86	36	0	—
6136 shellfish	241	194	46	0	0
Subtotal grain	152	126	26	—	0
6241 wheat	0	0	0	—	—
6344 corn	12	0	11	—	—
6442 rice	139	126	13	—	0
6443 barley & rye	0	0	0	—	—
6445 oats	0	—	0	—	—
6447 sorghum grains	1	—	1	—	—
Subtotal oilseeds	58	23	35	—	—
6521 peanuts	3	1	2	—	—
6522 soybeans	29	6	23	—	—
6590 oilseeds nec	27	16	11	—	—
Subtotal vegetable products	365	228	137	0	0
6653 vegetable oils	30	20	10	0	—
6654 vegetables & prod.	335	208	127	0	0
Subtotal processed grain and animal feed	595	49	546	0	0
6746 wheat flour	4	1	2	—	—
6747 grain mill products	45	29	16	0	—
6781 hay & fodder	371	1	369	0	0
6782 animal feed, prep.	175	17	158	0	—
Subtotal other agricultural products	3,089	1,631	1,453	1	3
6811 meat, fresh, frozen	366	171	195	0	1
6817 meat, prepared	12	2	10	0	0
6822 dairy products	31	10	21	0	0
6835 fish, prepared	57	55	2	0	0
6838 tallow, animal oils	19	0	18	—	—
6839 animals & prod. nec	150	19	131	—	0
6856 bananas & plantains	279	279	0	—	—
6857 fruit & nuts nec	523	238	285	0	0
6858 fruit juices	274	249	25	0	0
6861 sugar	2	1	1	—	—
6865 molasses	27	27	0	—	—
6871 coffee	91	89	1	0	0
6872 cocoa beans	3	3	0	—	—
6885 alcoholic beverages	257	184	71	1	2
6888 water & ice	60	58	1	0	0
6889 food products nec	437	232	206	0	0
6891 tobacco & products	43	2	41	—	—
6893 cotton	441	1	440	—	—
6894 natural fibers nec	4	3	1	—	—
6899 farm products nec	13	8	5	—	—
Total all manufactured equipment, machinery and products	11,784	10,749	1,024	10	0
7110 machinery (not elec)	899	730	168	1	0
7120 electrical machinery	2,342	2,155	187	0	0
7210 vehicles & parts	1,379	1,217	161	0	0
7220 aircraft & parts	8	2	6	0	0
7230 ships & boats	8	4	4	—	—
7300 ordnance & access.	6	3	2	—	—
7400 manufac. wood prod.	137	126	11	0	—
7500 textile products	1,422	1,319	103	0	0
7600 rubber & plastic pr.	1,152	997	155	0	0
7900 manufac. prod. nec	4,430	4,194	228	8	0
Total unknown or not elsewhere classified	1,199	913	284	1	1
9900 unknown or nec	1,199	913	284	1	1

LOS ANGELES HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intransport
Total, all commodities	6,430	3,709	1,464	213	660	385
Total petroleum and petroleum products	4,836	3,112	486	211	649	379
Subtotal petroleum products	4,836	3,112	486	211	649	379
2211 gasoline	1,885	1,713	104	24	—	45
2330 distillate fuel oil	743	504	223	8	0	8
2340 residual fuel oil	1,693	412	142	177	642	319
2350 lube oil & greases	472	449	8	2	6	7
2429 naphtha & solvents	34	34	—	—	—	—
2430 asphalt, tar & pitch	1	—	1	—	—	—
2640 liquid natural gas	2	0	2	—	—	—
2990 petro. products nec	7	0	7	—	—	—
Total chemicals and related products	278	217	45	—	10	6
Subtotal fertilizers	1	—	1	—	—	—
3190 fert. & mixes nec	1	—	1	—	—	—
Subtotal other chemicals and related products	277	217	43	—	10	6
3212 benzene & toluene	28	18	10	—	—	—
3220 alcohols	158	141	—	—	10	6
3274 sodium hydroxide	19	19	—	—	—	—
3281 radioactive material	1	1	—	—	—	—
3282 pigments & paints	10	0	10	—	—	—
3284 medicines	5	0	5	—	—	—
3285 perfumes & cleansers	16	0	16	—	—	—
3286 plastics	1	0	1	—	—	—
3291 pesticides	1	—	1	—	—	—
3293 explosives	1	0	1	—	—	—
3297 chemical additives	37	37	—	—	—	—
Total crude materials, inedible except fuels	172	119	54	—	—	—
Subtotal forest products, wood and chips	38	1	37	—	—	—
4189 lumber	37	1	36	—	—	—
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	121	106	15	—	—	—
4331 sand & gravel	118	106	12	—	—	—
4338 soil & fill dirt	3	0	3	—	—	—
Subtotal iron ore and scrap	11	11	—	—	—	—
4420 iron & steel scrap	11	11	—	—	—	—
Subtotal other non-metal. min.	1	0	1	—	—	—
4900 non-metal. min. nec	1	0	1	—	—	—
Total primary manufactured goods	105	1	104	—	—	—
Subtotal paper products	26	0	26	—	—	—
5110 newsprint	0	—	0	—	—	—
5120 paper & paperboard	5	0	5	—	—	—
5190 paper products nec	21	0	21	—	—	—
Subtotal lime, cement and glass	49	0	49	—	—	—
5220 cement & concrete	14	0	14	—	—	—
5240 glass & glass prod.	0	—	0	—	—	—
5290 misc. mineral prod.	35	0	35	—	—	—
Subtotal primary iron and steel products	0	—	0	—	—	—
5370 i&s pipe & tube	0	—	0	—	—	—
Subtotal primary non-ferrous metal products	29	1	28	—	—	—
5480 fab. metal products	29	1	28	—	—	—
Subtotal primary wood products	1	0	1	—	—	—
5540 primary wood prod.	1	0	1	—	—	—
Total food and farm products	469	138	332	0	—	—
Subtotal fish	2	0	2	—	—	—
6134 fish (not shellfish)	2	0	2	—	—	—
Subtotal grain	1	1	0	—	—	—
6442 rice	1	1	0	—	—	—
Subtotal vegetable products	40	8	32	—	—	—
6654 vegetables & prod.	40	8	32	—	—	—
Subtotal processed grain and animal feed	15	2	14	—	—	—
6746 wheat flour	6	0	6	—	—	—
6747 grain mill products	3	0	3	—	—	—
6781 hay & fodder	0	—	0	—	—	—
6782 animal feed, prep.	6	1	4	—	—	—
Subtotal other agricultural products	411	127	284	0	—	—
6811 meat, fresh, frozen	26	1	25	—	—	—
6822 dairy products	3	0	3	—	—	—
6839 animals & prod. nec	4	2	2	—	—	—
6856 bananas & plantains	1	—	1	—	—	—
6857 fruit & nuts nec	10	4	6	—	—	—
6858 fruit juices	93	92	1	—	—	—
6861 sugar	4	4	0	—	—	—
6871 coffee	1	0	0	—	—	—
6885 alcoholic beverages	103	1	102	—	—	—
6887 groceries	26	1	25	—	—	—
6888 water & ice	0	—	—	0	—	—

LOS ANGELES HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Receipts	Internal	
		Receipts	Shipments		Shipments	Intraport
6889 food products nec	127	10	117	—	—	—
6891 tobacco & products	0	0	0	—	—	—
6899 farm products nec	11	11	0	—	—	—
Total all manufactured equipment, machinery and products	569	123	443	2	1	—
7110 machinery (not elec)	67	27	40	—	—	—
7120 electrical machinery	15	2	13	—	—	—
7210 vehicles & parts	106	40	66	—	—	—
7220 aircraft & parts	0	0	0	—	—	—
7230 ships & boats	0	0	0	—	—	—
7400 manufac. wood prod.	4	1	3	—	—	—
7500 textile products	20	10	10	—	—	—
7600 rubber & plastic pr.	5	2	4	—	—	—
7900 manufac. prod. nec	352	41	308	2	1	—
Total unknown or not elsewhere classified	1	0	1	—	—	—
9900 unknown or nec	1	0	1	—	—	—

*Includes 572 (x1000) tons of foreign inbound in-transits; Includes 109 (x1000) tons of foreign outbound in-transits;
Includes 7 (x1000) tons of Canadian inbound in-transits; Includes 2 (x1000) tons of Canadian outbound in-transits.

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
1992	474	1995	1,076	1998	1,328	2001	1,134
1993	696	1996	943	1999	1,121		
1994	814	1997	988	2000	1,194		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound*	Outbound*	Total	Coastwise	
					Receipts	Shipments
Total, all commodities	1,134	960	110	64	20	44
Total petroleum and petroleum products	19	—	—	19	19	—
Subtotal petroleum products	19	—	—	19	19	—
2340 residual fuel oil	19	—	—	19	19	—
Total chemicals and related products	74	72	0	2	1	1
Subtotal fertilizers	72	72	—	—	—	—
3110 nitrogenous fert.	72	72	—	—	—	—
Subtotal other chemicals and related products	2	0	0	2	1	1
3220 alcohols	0	0	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	—	—	—	—
3276 metallic salts	0	0	—	—	—	—
3286 plastics	2	—	0	2	1	1
Total crude materials, inedible except fuels	47	46	0	—	—	—
Subtotal forest products, wood and chips	9	9	0	—	—	—
4150 fuel wood	0	—	0	—	—	—
4170 wood in the rough	0	0	—	—	—	—
4189 lumber	8	8	—	—	—	—
Subtotal pulp and waste paper	38	38	—	—	—	—
4225 pulp & waste paper	38	38	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	0	0	—	—	—	—
4310 building stone	0	0	—	—	—	—
4322 limestone	0	0	—	—	—	—
Total primary manufactured goods	15	15	0	0	—	0
Subtotal paper products	0	0	—	—	—	—
5190 paper products nec	0	0	—	—	—	—
Subtotal lime, cement and glass	0	0	—	—	—	—
5290 misc. mineral prod.	0	0	—	—	—	—
Subtotal primary iron and steel products	14	14	—	—	—	—
5330 i&s plates & sheets	1	1	—	—	—	—
5360 i&s bars & shapes	6	6	—	—	—	—
5370 i&s pipe & tube	0	0	—	—	—	—
5390 primary i&s nec	7	7	—	—	—	—
Subtotal primary non-ferrous metal products	1	0	0	0	—	0
5422 aluminum	0	0	—	—	—	—
5480 fab. metal products	1	0	0	0	—	0
Total food and farm products	516	428	89	—	—	—
Subtotal fish	5	5	0	—	—	—
6134 fish (not shellfish)	1	1	0	—	—	—
6136 shellfish	4	4	—	—	—	—
Subtotal vegetable products	0	0	—	—	—	—
6654 vegetables & prod.	0	0	—	—	—	—
Subtotal other agricultural products	511	423	88	—	—	—
6835 fish, prepared	0	0	—	—	—	—
6856 bananas & plantains	381	381	0	—	—	—

PORT HUENEME, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound*	Outbound*	Total	Coastwise	
					Receipts	Shipments
6857 fruit & nuts nec	129	41	88	---	---	---
6858 fruit juices	1	1	---	---	---	---
6885 alcoholic beverages	0	0	---	---	---	---
6889 food products nec	0	---	0	---	---	---
6899 farm products nec	0	0	---	---	---	---
Total all manufactured equipment, machinery and products	437	386	9	43	---	43
7110 machinery (not elec)	74	30	1	43	---	43
7120 electrical machinery	2	2	0	---	---	---
7210 vehicles & parts	358	351	7	---	---	---
7220 aircraft & parts	0	0	0	---	---	---
7230 ships & boats	0	0	0	---	---	---
7300 ordnance & access.	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	3	2	1	---	---	---
Total unknown or not elsewhere classified	25	13	12	---	---	---
9900 unknown or nec	25	13	12	---	---	---

*Includes 32 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits.

Other Harbors and Waterways 2001

Harbor or Waterway Project	Commodity	Thousand Short Tons
MISSION BAY, CA	No Commerce Reported	
MORRO BAY HARBOR, CA	No Commerce Reported	
NEWPORT BAY HARBOR, CA	No Commerce Reported	
REDONDO BEACH, CA	No Commerce Reported	
SANTA BARBARA HARBOR, CA	5480 fab. metal products	0
	6888 water & ice	0
	8900 waste and scrap nec	0
	Total Tons(x1000)	0

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
1992	1,160	1995	1,171	1998	946	2001	690
1993	1,094	1996	1,289	1999	925		
1994	1,573	1997	1,178	2000	867		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic
		Inbound*	Outbound	Inbound	Outbound	Internal
						Inbound
Total, all commodities	690	121	506	30	12	21
Total chemicals and related products	98	57	---	30	12	---
Subtotal fertilizers	86	57	---	30	---	---
3110 nitrogenous fert.	86	57	---	30	---	---
Subtotal other chemicals and related products	12	---	---	---	12	---
3299 chem. products nec	12	---	---	---	12	---
Total crude materials, inedible except fuels	229	48	160	---	---	21
Subtotal forest products, wood and chips	206	46	160	---	---	---
4161 wood chips	160	---	160	---	---	---
4170 wood in the rough	26	26	---	---	---	---
4189 lumber	20	20	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	5	2	---	---	---	3
4331 sand & gravel	5	2	---	---	---	3
Subtotal marine shells	18	---	---	---	---	18
4515 marine shells	18	---	---	---	---	18
Total primary manufactured goods	16	16	---	---	---	---
Subtotal lime, cement and glass	0	0	---	---	---	---
5240 glass & glass prod.	0	0	---	---	---	---
5290 misc. mineral prod.	0	0	---	---	---	---
Subtotal primary wood products	16	16	---	---	---	---
5540 primary wood prod.	16	16	---	---	---	---
Total food and farm products	345	---	345	---	---	---
Subtotal grain	337	---	337	---	---	---
6241 wheat	36	---	36	---	---	---
6442 rice	301	---	301	---	---	---
Subtotal oilseeds	8	---	8	---	---	---
6590 oilseeds nec	8	---	8	---	---	---
Total all manufactured equipment, machinery and products	2	1	1	---	---	---
7210 vehicles & parts	0	0	---	---	---	---
7220 aircraft & parts	0	0	---	---	---	---
7400 manufac. wood prod.	1	1	---	---	---	---
7600 rubber & plastic pr.	1	---	1	---	---	---
7900 manufac. prod. nec	0	---	0	---	---	---
Total unknown or not elsewhere classified	0	0	---	---	---	---
9900 unknown or nec	0	0	---	---	---	---
Ton-miles (x1000)	57,559	10,429	43,540	2,560	1,003	27

Tons All Traffic (x1000) 690
Ton-miles All Traffic (x1000) 57,559

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

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
1992	1,136	1995	1,131	1998	925	2001	669
1993	1,078	1996	1,240	1999	912		
1994	1,542	1997	1,143	2000	852		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	
		Inbound*	Outbound	Inbound	Outbound
Total, all commodities	669	121	506	30	12
Total chemicals and related products	98	57	---	30	12
Subtotal fertilizers	86	57	---	30	---
3110 nitrogenous fert.	86	57	---	30	---
Subtotal other chemicals and related products	12	---	---	---	12
3299 chem. products nec	12	---	---	---	12
Total crude materials, inedible except fuels	208	48	160	---	---
Subtotal forest products, wood and chips	206	46	160	---	---
4161 wood chips	160	---	160	---	---
4170 wood in the rough	26	26	---	---	---
4189 lumber	20	20	---	---	---
Subtotal soil, sand, gravel, rock and stone	2	2	---	---	---
4331 sand & gravel	2	2	---	---	---
Total primary manufactured goods	16	16	---	---	---
Subtotal lime, cement and glass	0	0	---	---	---
5240 glass & glass prod.	0	0	---	---	---
5290 misc. mineral prod.	0	0	---	---	---
Subtotal primary wood products	16	16	---	---	---
5540 primary wood prod.	16	16	---	---	---
Total food and farm products	345	---	345	---	---
Subtotal grain	337	---	337	---	---
6241 wheat	36	---	36	---	---
6442 rice	301	---	301	---	---
Subtotal oilseeds	8	---	8	---	---
6590 oilseeds nec	8	---	8	---	---
Total all manufactured equipment, machinery and products	2	1	1	---	---
7210 vehicles & parts	0	0	---	---	---
7220 aircraft & parts	0	0	---	---	---
7400 manufac. wood prod.	1	1	---	---	---
7600 rubber & plastic pr.	1	---	1	---	---
7900 manufac. prod. nec	0	---	0	---	---
Total unknown or not elsewhere classified	0	0	---	---	---
9900 unknown or nec	0	0	---	---	---
Ton-miles (x1000)	27,428	4,972	20,757	1,220	478
Tons All Traffic (x1000)	669				
Ton-miles All Traffic (x1000)	27,428				

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

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 Bryte. 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
1992	1,136	1995	1,137	1998	925	2001	669
1993	1,078	1996	1,240	1999	915		
1994	1,545	1997	1,143	2000	852		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	
		Inbound*	Outbound	Inbound	Outbound
Total, all commodities	669	121	506	30	12
Total chemicals and related products	98	57	---	30	12
Subtotal fertilizers	86	57	---	30	---
3110 nitrogenous fert.	86	57	---	30	---
Subtotal other chemicals and related products	12	---	---	---	12
3299 chem. products nec	12	---	---	---	12
Total crude materials, inedible except fuels	208	48	160	---	---
Subtotal forest products, wood and chips	206	46	160	---	---
4161 wood chips	160	---	160	---	---
4170 wood in the rough	26	26	---	---	---
4189 lumber	20	20	---	---	---
Subtotal soil, sand, gravel, rock and stone	2	2	---	---	---
4331 sand & gravel	2	2	---	---	---
Total primary manufactured goods	16	16	---	---	---
Subtotal lime, cement and glass	0	0	---	---	---
5240 glass & glass prod.	0	0	---	---	---
5290 misc. mineral prod.	0	0	---	---	---
Subtotal primary wood products	16	16	---	---	---
5540 primary wood prod.	16	16	---	---	---
Total food and farm products	345	---	345	---	---
Subtotal grain	337	---	337	---	---
6241 wheat	36	---	36	---	---
6442 rice	301	---	301	---	---
Subtotal oilseeds	8	---	8	---	---
6590 oilseeds nec	8	---	8	---	---
Total all manufactured equipment, machinery and products	2	1	1	---	---
7210 vehicles & parts	0	0	---	---	---
7220 aircraft & parts	0	0	---	---	---
7400 manufac. wood prod.	1	1	---	---	---
7600 rubber & plastic pr.	1	---	1	---	---
7900 manufac. prod. nec	0	---	0	---	---
Total unknown or not elsewhere classified	0	0	---	---	---
9900 unknown or nec	0	0	---	---	---

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

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
1992	3,530	1995	3,315	1998	3,325	2001	3,996
1993	2,493	1996	2,716	1999	3,051		
1994	3,337	1997	3,292	2000	3,755		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound*	Outbound	Inbound	Total	Coastwise	Internal
					Receipts	Inbound	Upbound
Total, all commodities	3,996	2,726	1,048	146	76	17	59
Total coal	22	7	15	---	---	---	---
1200 coal coke	22	7	15	---	---	---	---

SAN JOAQUIN RIVER, CA (INCLUDING COMMERCE OF PORT OF STOCKTON, CA)
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound*	Outbound	Inbound	Total	Coastwise	Internal
					Receipts	Inbound Upbound	
Total petroleum and petroleum products	617	---	617	---	---	---	---
Subtotal petroleum products	617	---	617	---	---	---	---
2540 petroleum coke	617	---	617	---	---	---	---
Total chemicals and related products	767	627	---	123	17	17	---
Subtotal fertilizers	344	342	---	---	2	2	---
3110 nitrogenous fert.	307	305	---	---	2	2	---
3130 potassic fert.	4	4	---	---	---	---	---
3190 fert. & mixes nec	32	32	---	---	---	---	---
Subtotal other chemicals and related products	423	284	---	123	15	15	---
3230 carboxylic acids	1	1	---	---	---	---	---
3260 organic comp. nec	10	10	---	---	---	---	---
3273 ammonia	348	253	---	95	---	---	---
3274 sodium hydroxide	48	19	---	28	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	0	---	---	---	---	---
3276 metallic salts	15	---	---	---	15	15	---
3299 chem. products nec	1	1	---	---	---	---	---
Total crude materials, inedible except fuels	522	236	275	---	11	---	11
Subtotal forest products, wood and chips	1	---	---	---	1	---	1
4150 fuel wood	1	---	---	---	1	---	1
Subtotal pulp and waste paper	1	1	---	---	---	---	---
4225 pulp & waste paper	1	1	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	238	228	---	---	10	---	10
4323 gypsum	228	228	---	---	---	---	---
4331 sand & gravel	10	---	---	---	10	---	10
Subtotal iron ore and scrap	39	---	39	---	---	---	---
4420 iron & steel scrap	39	---	39	---	---	---	---
Subtotal sulphur, clay and salt	236	---	236	---	---	---	---
4741 sulphur, (dry)	236	---	236	---	---	---	---
Subtotal slag	7	7	---	---	---	---	---
4860 slag	7	7	---	---	---	---	---
Total primary manufactured goods	1,268	1,268	---	---	---	---	---
Subtotal lime, cement and glass	805	805	---	---	---	---	---
5220 cement & concrete	805	805	---	---	---	---	---
Subtotal primary iron and steel products	383	383	---	---	---	---	---
5330 i&s plates & sheets	374	374	---	---	---	---	---
5360 i&s bars & shapes	2	2	---	---	---	---	---
5370 i&s pipe & tube	7	7	---	---	---	---	---
Subtotal primary non-ferrous metal products	69	69	---	---	---	---	---
5480 fab. metal products	69	69	---	---	---	---	---
Subtotal primary wood products	11	11	---	---	---	---	---
5540 primary wood prod.	11	11	---	---	---	---	---
Total food and farm products	790	578	141	23	48	---	48
Subtotal grain	132	---	132	---	---	---	---
6241 wheat	33	---	33	---	---	---	---
6442 rice	99	---	99	---	---	---	---
Subtotal oilseeds	332	323	9	---	---	---	---
6590 oilseeds nec	332	323	9	---	---	---	---
Subtotal vegetable products	11	11	---	---	---	---	---
6653 vegetable oils	11	11	---	---	---	---	---
Subtotal processed grain and animal feed	47	24	---	23	---	---	---
6781 hay & fodder	47	24	---	23	---	---	---
Subtotal other agricultural products	268	219	---	---	48	---	48
6865 molasses	268	219	---	---	48	---	48
Total all manufactured equipment, machinery and products	10	9	1	---	---	---	---
7110 machinery (not elec)	6	6	---	---	---	---	---
7120 electrical machinery	4	4	0	---	---	---	---
7230 ships & boats	0	0	---	---	---	---	---
7500 textile products	0	---	0	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---
Total unknown or not elsewhere classified	2	2	---	---	---	---	---
9900 unknown or nec	2	2	---	---	---	---	---
Ton-miles (x1000)	112,744	86,352	18,515	4,992	2,885	707	2,178

Tons All Traffic (x1000) 3,996
 Ton-miles All Traffic (x1000) 112,744

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

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
1992	1,719	1995	1,320	1998	1,339	2001	2,605
1993	1,103	1996	1,143	1999	1,315		
1994	1,609	1997	1,647	2000	2,051		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Inbound	Domestic		
		Inbound*	Outbound		Total Receipts	Coastwise	Internal Receipts
Total, all commodities	2,605	1,995	426	118	66	17	49
Total coal	7	7	—	—	—	—	—
1200 coal coke	7	7	—	—	—	—	—
Total petroleum and petroleum products	10	—	10	—	—	—	—
Subtotal petroleum products	10	—	10	—	—	—	—
2540 petroleum coke	10	—	10	—	—	—	—
Total chemicals and related products	709	597	—	95	17	17	—
Subtotal fertilizers	344	342	—	—	2	2	—
3110 nitrogenous fert.	307	305	—	—	2	2	—
3130 potassic fert.	4	4	—	—	—	—	—
3190 fert. & mixes nec	32	32	—	—	—	—	—
Subtotal other chemicals and related products	365	255	—	95	15	15	—
3230 carboxylic acids	1	1	—	—	—	—	—
3273 ammonia	348	253	—	95	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	—	—	—	—	—
3276 metallic salts	15	—	—	—	15	15	—
3299 chem. products nec	1	1	—	—	—	—	—
Total crude materials, inedible except fuels	284	8	275	—	1	—	1
Subtotal forest products, wood and chips	1	—	—	—	1	—	1
4150 fuel wood	1	—	—	—	1	—	1
Subtotal pulp and waste paper	1	1	—	—	—	—	—
4225 pulp & waste paper	1	1	—	—	—	—	—
Subtotal iron ore and scrap	39	—	39	—	—	—	—
4420 iron & steel scrap	39	—	39	—	—	—	—
Subtotal sulphur, clay and salt	236	—	236	—	—	—	—
4741 sulphur, (dry)	236	—	236	—	—	—	—
Subtotal slag	7	7	—	—	—	—	—
4860 slag	7	7	—	—	—	—	—
Total primary manufactured goods	794	794	—	—	—	—	—
Subtotal lime, cement and glass	769	769	—	—	—	—	—
5220 cement & concrete	769	769	—	—	—	—	—
Subtotal primary iron and steel products	10	10	—	—	—	—	—
5330 i&s plates & sheets	1	1	—	—	—	—	—
5360 i&s bars & shapes	2	2	—	—	—	—	—
5370 i&s pipe & tube	7	7	—	—	—	—	—
Subtotal primary non-ferrous metal products	4	4	—	—	—	—	—
5480 fab. metal products	4	4	—	—	—	—	—
Subtotal primary wood products	11	11	—	—	—	—	—
5540 primary wood prod.	11	11	—	—	—	—	—
Total food and farm products	790	578	141	23	48	—	48
Subtotal grain	132	—	132	—	—	—	—
6241 wheat	33	—	33	—	—	—	—
6442 rice	99	—	99	—	—	—	—
Subtotal oilseeds	332	323	9	—	—	—	—
6590 oilseeds nec	332	323	9	—	—	—	—
Subtotal vegetable products	11	11	—	—	—	—	—
6653 vegetable oils	11	11	—	—	—	—	—
Subtotal processed grain and animal feed	47	24	—	23	—	—	—
6781 hay & fodder	47	24	—	23	—	—	—
Subtotal other agricultural products	268	219	—	—	48	—	48
6865 molasses	268	219	—	—	48	—	48

STOCKTON, CA (INCLUDED IN SAN JOAQUIN RIVER, CA)
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound*	Outbound	Inbound	Total	Coastwise	Internal
					Receipts	Receipts	Receipts
Total all manufactured equipment, machinery and products	10	9	1	---	---	---	---
7110 machinery (not elec)	6	6	---	---	---	---	---
7120 electrical machinery	4	4	0	---	---	---	---
7230 ships & boats	0	0	---	---	---	---	---
7500 textile products	0	---	0	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---
Total unknown or not elsewhere classified	2	2	---	---	---	---	---
9900 unknown or nec	2	2	---	---	---	---	---

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

Other Harbors and Waterways 2001

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, 2001
(thousand short tons)

Locality	*Foreign/Canadian		Domestic				Total	Percent	Through Traffic
	Inbound	Outbound	Coastwise		Internal				
			Receipts	Shipmnts	Receipts Shipmnts	Intraport			
ALVISO SLOUGH, CA	---	---	---	---	---	---	0.00	---	
BERKELEY, CA	---	---	---	---	---	---	0.00	---	
CARQUINEZ STRAIT, CA	4,569	918	6,156	1,162	1,007	51	13,863	22.28	6,340
COYOTE HILL SLOUGH, CA	---	---	---	---	---	---	---	0.00	---
NAPA RIVER, CA	---	---	---	---	110	---	110	0.18	---
NEWARK SLOUGH, CA	---	---	---	---	---	---	---	0.00	---
OAKLAND HARBOR, CA	3,850	6,868	327	1,112	116	---	12,273	19.72	---
OTHER SAN FRANCISCO BAY AREA PORTS, CA	---	---	1,146	---	1,256	9	2,411	3.88	---
PETALUMA RIVER, CA	---	---	---	---	322	---	322	0.52	---
REDWOOD CITY HARBOR, CA	630	202	---	3	---	---	835	1.34	---
RICHMOND HARBOR, CA	8,871	1,122	7,082	3,198	738	210	21,220	34.11	---
SACRAMENTO RIVER, CA	151	518	---	---	21	---	690	1.11	---
SAN FRANCISCO HARBOR, CA	1,394	804	2	---	97	0	2,298	3.69	---
SAN JOAQUIN RIVER, CA**	2,872	1,048	17	---	59	---	3,996	6.42	---
SAN PABLO BAY AND MARE ISLAND STRAIT, CA	686	230	257	891	405	---	2,468	3.97	19,927
SAN RAFAEL CREEK, CA	---	---	---	---	---	---	---	0.00	---
SUISUN BAY CHANNEL, CA	163	115	211	391	852	---	1,733	2.78	4,686
SUISUN CHANNEL, CA	---	---	---	---	---	---	---	0.00	---
TOTAL (UNADJUSTED)	23,187	11,824	15,198	6,756	4,983	271	62,220	---	30,953
PERCENT (UNADJUSTED)	37.27	19.00	24.43	10.86	8.01	0.44	---	100.00	---
NET VOLUME OF TONNAGE FOR THE AREA***	23,187	11,824	15,198	6,756	2,496	271	59,732	---	---
PERCENT (ADJUSTED)	38.82	19.80	25.44	11.31	4.18	0.45	---	100.00	---

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

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

*** 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
1992	67,119	1995	61,356	1998	49,929	2001	56,965
1993	65,727	1996	59,850	1999	50,666		
1994	67,220	1997	53,698	2000	51,387		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound*	Downbnd*	Upbound*	Downbnd*		Through	
						Upbound	Downbnd	
Total, all commodities	56,965	22,269	11,626	918	198	21,954	15,198	6,756
Total coal	30	14	15	---	---	---	---	---
1100 coal lignite	0	0	0	---	---	---	---	---
1200 coal coke	29	14	15	---	---	---	---	---
Total petroleum and petroleum products	36,177	12,159	3,529	260	148	20,080	14,661	5,419
Subtotal crude petroleum	22,764	9,983	85	253	---	12,444	12,432	12
2100 crude petroleum	22,764	9,983	85	253	---	12,444	12,432	12
Subtotal petroleum products	13,413	2,176	3,444	7	148	7,637	2,229	5,408
2211 gasoline	4,510	269	48	---	134	4,058	842	3,216
2221 kerosene	319	280	0	---	14	25	10	15
2330 distillate fuel oil	2,117	188	217	---	---	1,712	890	822
2340 residual fuel oil	3,489	773	1,773	7	---	936	288	648
2350 lube oil & greases	727	2	21	0	---	703	44	659
2410 petro. jelly & waxes	78	76	2	---	---	---	---	---
2429 naphtha & solvents	938	549	213	---	---	176	133	44
2430 asphalt, tar & pitch	17	---	1	---	---	16	16	---
2540 petroleum coke	1,209	40	1,170	---	---	---	---	---
2640 liquid natural gas	1	0	0	---	---	1	0	1
2990 petro. products nec	9	---	---	---	---	9	6	3

SAN FRANCISCO BAY ENTRANCE, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound*	Downbnd*	Upbound*	Downbnd*		Through	
						Upbound	Downbnd	
Total chemicals and related products	3,677	1,974	813	455	22	414	159	255
Subtotal fertilizers	487	439	11	30	---	7	2	5
3110 nitrogenous fert.	426	394	0	30	---	2	2	---
3120 phosphatic fert.	1	---	1	---	---	---	---	---
3130 potassic fert.	5	5	0	---	---	---	---	---
3190 fert. & mixes nec	55	40	9	---	---	5	---	5
Subtotal other chemicals and related products	3,190	1,535	802	425	22	407	157	250
3211 acyclic hydrocarbons	99	0	61	---	---	37	---	37
3212 benzene & toluene	178	92	0	---	---	86	19	67
3219 other hydrocarbons	4	1	3	---	0	---	---	---
3220 alcohols	294	123	4	29	---	138	23	116
3230 carboxylic acids	14	11	4	---	---	---	---	---
3240 nitrogen func. comp.	33	3	30	0	---	---	---	---
3250 organo - inorg. comp.	7	1	6	---	---	---	---	---
3260 organic comp. nec	980	739	3	238	---	---	---	---
3272 sulphuric acid	2	1	1	---	---	---	---	---
3273 ammonia	363	267	1	95	---	---	---	---
3274 sodium hydroxide	180	117	0	28	---	34	34	---
3275 inorg. elem., oxides, & halogen salts	515	5	508	1	0	2	---	2
3276 metallic salts	41	9	5	0	10	18	15	3
3279 inorganic chem. nec	4	3	1	---	---	---	---	---
3281 radioactive material	2	0	1	---	---	0	0	---
3282 pigments & paints	17	3	11	0	0	3	0	3
3283 coloring mat. nec	2	0	2	---	---	---	---	---
3284 medicines	15	2	12	---	---	1	0	1
3285 perfumes & cleansers	42	3	28	---	0	10	0	10
3286 plastics	131	50	79	---	0	3	---	3
3291 pesticides	5	2	3	---	---	1	---	1
3292 starches, gluten, glue	69	54	15	---	---	---	---	---
3293 explosives	2	1	0	---	---	0	---	0
3297 chemical additives	98	31	2	---	0	65	65	---
3298 wood & resin chem.	5	0	0	5	---	---	---	---
3299 chem. products nec	88	15	22	29	12	10	1	9
Total crude materials, inedible except fuels	4,127	1,181	2,772	135	24	14	1	12
Subtotal forest products, wood and chips	477	264	203	1	---	9	0	9
4110 rubber & gums	0	0	0	---	---	---	---	---
4150 fuel wood	1	1	1	---	---	---	---	---
4161 wood chips	161	0	161	---	---	---	---	---
4170 wood in the rough	69	62	7	---	---	---	---	---
4189 lumber	230	194	26	0	---	9	0	9
4190 forest products nec	15	7	8	0	---	0	0	---
Subtotal pulp and waste paper	1,215	2	1,214	---	---	---	---	---
4225 pulp & waste paper	1,215	2	1,214	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	828	690	3	134	---	1	---	1
4310 building stone	33	30	2	0	---	---	---	---
4322 limestone	2	2	0	0	---	---	---	---
4323 gypsum	634	634	0	---	---	---	---	---
4331 sand & gravel	158	23	2	134	---	---	---	---
4338 soil & fill dirt	1	---	---	---	---	1	---	1
Subtotal iron ore and scrap	933	0	932	---	---	1	1	---
4410 iron ore	0	0	---	---	---	---	---	---
4420 iron & steel scrap	933	0	932	---	---	1	1	---
Subtotal marine shells	0	0	---	---	---	---	---	---
4515 marine shells	0	0	---	---	---	---	---	---
Subtotal non-ferrous ores and scrap	188	123	65	0	---	---	---	---
4650 aluminum ore	123	121	2	---	---	---	---	---
4680 non-ferrous scrap	58	0	58	---	---	---	---	---
4690 non-ferrous ores nec	7	1	5	0	---	---	---	---
Subtotal sulphur, clay and salt	285	43	242	---	---	---	---	---
4741 sulphur, (dry)	279	42	237	---	---	---	---	---
4782 clay & refrac. mat.	6	1	5	---	---	---	---	---
Subtotal slag	55	55	0	---	---	---	---	---
4860 slag	55	55	0	---	---	---	---	---
Subtotal other non-metal. min.	145	5	113	0	24	2	0	2
4900 non-metal. min. nec	145	5	113	0	24	2	0	2
Total primary manufactured goods	3,171	2,791	319	20	0	42	1	41
Subtotal paper products	179	106	54	15	---	4	0	4
5110 newsprint	57	41	0	15	---	---	---	---
5120 paper & paperboard	90	46	43	0	---	1	0	1
5190 paper products nec	33	18	11	0	---	4	0	4

SAN FRANCISCO BAY ENTRANCE, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound*	Downbnd*	Upbound*	Downbnd*		Through	
						Upbound	Downbnd	
Subtotal lime, cement and glass	1,459	1,409	28	3	---	18	0	18
5210 lime	0	---	0	---	---	---	---	---
5220 cement & concrete	1,206	1,205	0	---	---	1	0	1
5240 glass & glass prod.	90	75	13	0	---	1	---	1
5290 misc. mineral prod.	162	129	15	2	---	17	0	17
Subtotal primary iron and steel products	866	831	34	0	---	1	---	1
5312 pig iron	1	1	0	---	---	---	---	---
5315 ferro alloys	0	0	0	---	---	---	---	---
5320 i&s primary forms	22	19	3	0	---	---	---	---
5330 i&s plates & sheets	614	587	28	---	---	---	---	---
5360 i&s bars & shapes	156	155	0	---	---	---	---	---
5370 i&s pipe & tube	60	58	1	---	---	1	---	1
5390 primary i&s nec	13	11	2	---	---	---	---	---
Subtotal primary non-ferrous metal products	619	402	200	0	0	17	1	16
5421 copper	6	4	3	---	---	---	---	---
5422 aluminum	12	9	4	---	---	---	---	---
5429 smelted prod. nec	166	3	163	0	---	---	---	---
5480 fab. metal products	434	386	30	0	0	17	1	16
Subtotal primary wood products	48	43	3	2	---	1	0	1
5540 primary wood prod.	48	43	3	2	---	1	0	1
Total food and farm products	6,792	2,436	3,641	44	4	667	268	399
Subtotal fish	59	9	49	0	0	0	0	0
6134 fish (not shellfish)	29	6	23	0	0	0	0	0
6136 shellfish	29	3	26	0	0	---	---	---
Subtotal grain	701	70	588	---	0	43	1	42
6241 wheat	70	0	70	---	---	---	---	---
6344 corn	6	0	6	---	0	0	---	0
6442 rice	624	70	512	---	---	43	1	42
6443 barley & rye	0	0	---	---	---	---	---	---
6445 oats	1	0	0	---	---	---	---	---
6447 sorghum grains	0	---	0	---	---	---	---	---
Subtotal oilseeds	430	386	45	---	---	---	---	---
6521 peanuts	2	2	0	---	---	---	---	---
6522 soybeans	15	1	14	---	---	---	---	---
6590 oilseeds nec	414	383	31	---	---	---	---	---
Subtotal vegetable products	712	373	314	3	0	21	2	19
6653 vegetable oils	329	287	42	0	0	---	---	---
6654 vegetables & prod.	383	86	273	3	---	21	2	19
Subtotal processed grain and animal feed	496	46	414	23	0	14	0	13
6746 wheat flour	5	1	1	---	---	3	0	3
6747 grain mill products	56	15	39	0	0	1	0	1
6781 hay & fodder	266	26	217	23	---	0	---	0
6782 animal feed, prep.	169	4	156	---	---	9	0	9
Subtotal other agricultural products	4,393	1,552	2,231	18	3	589	265	324
6811 meat, fresh, frozen	650	97	509	---	1	44	1	43
6817 meat, prepared	21	2	19	---	---	---	---	---
6822 dairy products	96	8	58	0	0	30	1	29
6835 fish, prepared	20	16	4	---	---	---	---	---
6838 tallow, animal oils	9	0	8	---	0	---	---	---
6839 animals & prod. nec	162	4	148	---	0	10	5	6
6856 bananas & plantains	1	1	0	---	---	0	---	0
6857 fruit & nuts nec	554	21	528	0	0	4	1	3
6858 fruit juices	198	117	48	1	1	32	31	0
6861 sugar	689	518	1	---	---	169	169	1
6865 molasses	275	228	0	---	---	47	45	1
6871 coffee	90	82	4	1	0	4	2	2
6872 cocoa beans	10	10	0	0	---	---	---	---
6885 alcoholic beverages	668	289	324	14	1	40	2	39
6887 groceries	82	---	---	---	---	82	1	80
6888 water & ice	65	21	43	1	---	---	---	---
6889 food products nec	499	128	258	1	---	113	5	108
6891 tobacco & products	71	1	69	---	---	1	0	0
6893 cotton	202	2	201	---	---	---	---	---
6894 natural fibers nec	1	1	0	---	---	---	---	---
6899 farm products nec	31	7	10	0	0	14	2	12
Total all manufactured equipment, machinery and products	2,685	1,553	403	2	0	726	105	621
7110 machinery (not elec)	194	94	42	0	0	57	24	34
7120 electrical machinery	362	313	47	0	0	1	0	1
7210 vehicles & parts	595	428	55	0	0	111	33	78
7220 aircraft & parts	1	0	0	0	---	0	0	0
7230 ships & boats	26	1	24	---	0	0	0	0
7300 ordnance & access.	0	0	0	---	---	---	---	---

SAN FRANCISCO BAY ENTRANCE, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound*	Downbnd*	Upbound*	Downbnd*		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	
7400 manufac. wood prod.	71	37	27	0	—	7	1	5
7500 textile products	118	88	24	0	—	5	2	4
7600 rubber & plastic pr.	123	90	30	0	—	3	—	3
7900 manufac. prod. nec	1,196	501	153	1	0	541	44	496
Total unknown or not elsewhere classified	306	161	133	1	0	11	3	8
9900 unknown or nec	306	161	133	1	0	11	3	8

*Includes 333 (x1000) tons of foreign upbound through in-transits; Includes 57 (x1000) tons of foreign downbound through in-transits; Includes 0 (x1000) tons of Canadian upbound through in-transits; Includes 1 (x1000) tons of Canadian downbound through in-transits.

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
1992	3,198	1995	1,330	1998	1,330	2001	2,298
1993	2,340	1996	1,982	1999	1,933		
1994	1,739	1997	1,003	2000	3,588		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Inbound*	Outbound*	Inbound	Outbound*	Total	Coastwise		Internal	
							Receipts	Shipments	Receipts	Shipments
Total, all commodities	2,298	1,299	786	96	18	99	2	96	1	
Total petroleum and petroleum products	1,127	802	285	—	—	39	2	37	—	
Subtotal crude petroleum	681	681	—	—	—	—	—	—	—	
2100 crude petroleum	681	681	—	—	—	—	—	—	—	
Subtotal petroleum products	446	122	285	—	—	39	2	37	—	
2330 distillate fuel oil	62	—	38	—	—	24	—	24	—	
2340 residual fuel oil	207	37	158	—	—	13	—	13	—	
2350 lube oil & greases	3	—	0	—	—	2	2	—	—	
2410 petro. jelly & waxes	0	0	0	—	—	—	—	—	—	
2429 naphtha & solvents	115	85	30	—	—	—	—	—	—	
2430 asphalt, tar & pitch	0	—	0	—	—	—	—	—	—	
2540 petroleum coke	59	—	59	—	—	—	—	—	—	
Total chemicals and related products	220	96	96	28	0	—	—	—	—	
Subtotal fertilizers	0	0	0	—	—	—	—	—	—	
3110 nitrogenous fert.	0	—	0	—	—	—	—	—	—	
3190 fert. & mixes nec	0	0	0	—	—	—	—	—	—	
Subtotal other chemicals and related products	219	96	95	28	0	—	—	—	—	
3211 acyclic hydrocarbons	0	—	0	—	—	—	—	—	—	
3212 benzene & toluene	9	9	0	—	—	—	—	—	—	

SAN FRANCISCO HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Inbound*	Outbound*	Inbound	Outbound*	Total	Coastwise		Internal	
							Receipts	Receipts	Shipments	
3219 other hydrocarbons	0	—	0	—	—	—	—	—	—	
3220 alcohols	1	1	0	—	—	—	—	—	—	
3230 carboxylic acids	1	0	0	—	—	—	—	—	—	
3240 nitrogen func. comp.	1	—	1	—	—	—	—	—	—	
3250 organo - inorg. comp.	0	—	0	—	—	—	—	—	—	
3260 organic comp. nec	70	70	0	—	—	—	—	—	—	
3272 sulphuric acid	0	—	0	—	—	—	—	—	—	
3273 ammonia	14	14	0	—	—	—	—	—	—	
3274 sodium hydroxide	0	—	0	—	—	—	—	—	—	
3275 inorg. elem., oxides, & halogen salts	85	0	84	—	—	—	—	—	—	
3276 metallic salts	1	0	0	—	—	—	—	—	—	
3279 inorganic chem. nec	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	1	0	1	—	—	—	—	—	—	
3286 plastics	5	0	4	—	—	—	—	—	—	
3291 pesticides	0	0	0	—	—	—	—	—	—	
3292 starches, gluten, glue	2	0	1	—	—	—	—	—	—	
3293 explosives	0	—	0	—	—	—	—	—	—	
3297 chemical additives	0	—	0	—	—	—	—	—	—	
3299 chem. products nec	30	0	1	28	0	—	—	—	—	
Total crude materials, inedible except fuels	346	71	191	68	16	0	—	0	—	
Subtotal forest products, wood and chips	61	59	2	—	—	0	—	0	—	
4150 fuel wood	0	—	0	—	—	—	—	—	—	
4161 wood chips	0	0	0	—	—	—	—	—	—	
4170 wood in the rough	4	4	0	—	—	—	—	—	—	
4189 lumber	57	56	1	—	—	0	—	0	—	
4190 forest products nec	0	0	0	—	—	—	—	—	—	
Subtotal pulp and waste paper	27	—	27	—	—	—	—	—	—	
4225 pulp & waste paper	27	—	27	—	—	—	—	—	—	
Subtotal soil, sand, gravel, rock and stone	68	0	0	68	—	—	—	—	—	
4310 building stone	0	0	—	—	—	—	—	—	—	
4331 sand & gravel	68	0	0	68	—	—	—	—	—	
Subtotal iron ore and scrap	156	—	156	—	—	—	—	—	—	
4420 iron & steel scrap	156	—	156	—	—	—	—	—	—	
Subtotal non-ferrous ores and scrap	2	—	2	—	—	—	—	—	—	
4650 aluminum ore	0	—	0	—	—	—	—	—	—	
4680 non-ferrous scrap	1	—	1	—	—	—	—	—	—	
4690 non-ferrous ores nec	0	—	0	—	—	—	—	—	—	
Subtotal sulphur, clay and salt	12	12	0	—	—	—	—	—	—	
4741 sulphur, (dry)	12	12	—	—	—	—	—	—	—	
4782 clay & refrac. mat.	0	—	0	—	—	—	—	—	—	
Subtotal slag	0	—	0	—	—	—	—	—	—	
4860 slag	0	—	0	—	—	—	—	—	—	

SAN FRANCISCO HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Inbound*	Outbound*	Inbound	Outbound*	Total	Coastwise		Internal	
							Receipts	Receipts	Shipments	
Subtotal other non-metal. min.	21	—	5	—	16	—	—	—	—	
4900 non-metal. min. nec	21	—	5	—	16	—	—	—	—	
Total primary manufactured goods	227	158	10	—	—	59	—	59	—	
Subtotal paper products	2	0	1	—	—	—	—	—	—	
5120 paper & paperboard	1	0	1	—	—	—	—	—	—	
5190 paper products nec	1	0	0	—	—	—	—	—	—	
Subtotal lime, cement and glass	62	3	1	—	—	59	—	59	—	
5240 glass & glass prod.	1	1	0	—	—	—	—	—	—	
5290 misc. mineral prod.	61	2	1	—	—	59	—	59	—	
Subtotal primary iron and steel products	34	33	1	—	—	—	—	—	—	
5312 pig iron	0	—	0	—	—	—	—	—	—	
5320 i&s primary forms	0	0	0	—	—	—	—	—	—	
5330 i&s plates & sheets	33	33	0	—	—	—	—	—	—	
5360 i&s bars & shapes	0	—	0	—	—	—	—	—	—	
5370 i&s pipe & tube	0	0	0	—	—	—	—	—	—	
5390 primary i&s nec	1	0	1	—	—	—	—	—	—	
Subtotal primary non-ferrous metal products	128	121	6	—	—	—	—	—	—	
5421 copper	1	1	0	—	—	—	—	—	—	
5422 aluminum	0	—	0	—	—	—	—	—	—	
5429 smelted prod. nec	5	0	4	—	—	—	—	—	—	
5480 fab. metal products	122	121	2	—	—	—	—	—	—	
Subtotal primary wood products	2	1	0	—	—	—	—	—	—	
5540 primary wood prod.	2	1	0	—	—	—	—	—	—	
Total food and farm products	286	129	154	—	1	1	—	—	1	
Subtotal fish	4	0	3	—	—	—	—	—	—	
6134 fish (not shellfish)	3	0	3	—	—	—	—	—	—	
6136 shellfish	1	0	1	—	—	—	—	—	—	
Subtotal grain	28	0	28	—	—	—	—	—	—	
6344 corn	0	—	0	—	—	—	—	—	—	
6442 rice	27	0	27	—	—	—	—	—	—	
Subtotal oilseeds	2	1	2	—	—	—	—	—	—	
6522 soybeans	0	—	0	—	—	—	—	—	—	
6590 oilseeds nec	2	1	1	—	—	—	—	—	—	
Subtotal vegetable products	26	16	10	—	—	—	—	—	—	
6653 vegetable oils	14	12	1	—	—	—	—	—	—	
6654 vegetables & prod.	13	4	9	—	—	—	—	—	—	
Subtotal processed grain and animal feed	20	1	19	—	—	—	—	—	—	
6746 wheat flour	0	0	0	—	—	—	—	—	—	
6747 grain mill products	3	0	3	—	—	—	—	—	—	
6781 hay & fodder	6	—	6	—	—	—	—	—	—	
6782 animal feed, prep.	10	0	10	—	—	—	—	—	—	
Subtotal other agricultural products	207	112	92	—	1	1	—	—	1	
6811 meat, fresh, frozen	40	13	26	—	1	—	—	—	—	

SAN FRANCISCO HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Inbound*	Outbound*	Inbound	Outbound*	Total	Coastwise		Internal	
							Receipts	Receipts	Shipments	
6817 meat, prepared	1	0	1	—	—	—	—	—	—	
6822 dairy products	6	1	5	—	0	—	—	—	—	
6835 fish, prepared	5	3	2	—	—	—	—	—	—	
6838 tallow, animal oils	1	0	1	—	—	—	—	—	—	
6839 animals & prod. nec	4	0	4	—	—	—	—	—	—	
6856 bananas & plantains	0	0	0	—	—	—	—	—	—	
6857 fruit & nuts nec	19	1	17	—	0	—	—	—	—	
6858 fruit juices	7	3	3	—	1	—	—	—	—	
6861 sugar	39	39	0	—	—	—	—	—	—	
6865 molasses	1	—	—	—	—	1	—	—	1	
6871 coffee	22	22	0	—	—	—	—	—	—	
6872 cocoa beans	0	0	0	—	—	—	—	—	—	
6885 alcoholic beverages	31	23	7	—	—	—	—	—	—	
6888 water & ice	1	0	1	—	—	—	—	—	—	
6889 food products nec	20	4	16	—	—	—	—	—	—	
6891 tobacco & products	4	0	4	—	—	—	—	—	—	
6893 cotton	4	—	4	—	—	—	—	—	—	
6899 farm products nec	1	0	1	—	0	—	—	—	—	
Total all manufactured equipment, machinery and products	67	25	42	—	0	0	—	0	—	
7110 machinery (not elec)	4	2	2	—	0	—	—	—	—	
7120 electrical machinery	6	4	2	—	—	—	—	—	—	
7210 vehicles & parts	4	2	2	—	—	—	—	—	—	
7220 aircraft & parts	0	0	0	—	—	—	—	—	—	
7230 ships & boats	24	0	24	—	—	—	—	—	—	
7300 ordnance & access.	0	0	—	—	—	—	—	—	—	
7400 manufac. wood prod.	2	1	1	—	—	0	—	0	—	
7500 textile products	2	1	1	—	—	—	—	—	—	
7600 rubber & plastic pr.	3	1	2	—	—	—	—	—	—	
7900 manufac. prod. nec	23	14	9	—	—	—	—	—	—	
Total unknown or not elsewhere classified	25	16	9	—	0	—	—	—	—	
9900 unknown or nec	25	16	9	—	0	—	—	—	—	

*Includes 42 (x1000) tons of foreign inbound in-transits; Includes 16 (x1000) tons of foreign outbound in-transits; Includes 1 (x1000) tons of Canadian outbound in-transits.

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
1992	816	1995	754	1998	861	2001	835
1993	1,829	1996	985	1999	736		
1994	846	1997	1,293	2000	734		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic
		Inbound	Outbound	Inbound	Outbound	Coastwise Shipments
Total, all commodities	835	625	184	5	18	3
Total chemicals and related products	17	---	---	5	10	3
Subtotal other chemicals and related products	17	---	---	5	10	3
3276 metallic salts	13	---	---	---	10	3
3298 wood & resin chem.	5	---	---	5	---	---
Total crude materials, inedible except fuels	396	231	157	---	8	---
Subtotal soil, sand, gravel, rock and stone	225	225	---	---	---	---
4323 gypsum	210	210	---	---	---	---
4331 sand & gravel	15	15	---	---	---	---
Subtotal iron ore and scrap	157	---	157	---	---	---
4420 iron & steel scrap	157	---	157	---	---	---
Subtotal slag	6	6	---	---	---	---
4860 slag	6	6	---	---	---	---
Subtotal other non-metal. min.	8	---	---	---	8	---
4900 non-metal. min. nec	8	---	---	---	8	---
Total primary manufactured goods	422	395	28	---	---	---
Subtotal lime, cement and glass	395	395	---	---	---	---
5220 cement & concrete	395	395	---	---	---	---
Subtotal primary non-ferrous metal products	28	---	28	---	---	---
5429 smelted prod. nec	28	---	28	---	---	---

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. Maintained Depth: 42.0 feet deep in the entrance channel to Oakland Outer Harbor, thence a channel and turning basin 42.0 feet deep in the Outer Harbor to Oakland Army Base; 42.0 feet deep in the entrance channel to Oakland Inner Harbor, 42.0 feet deep to Howard Terminal, thence 35.0 feet deep to Government Island, thence 18.0 feet deep to San Leandro Bay. The mean range of tide is 6.4 feet at Oakland Inner Harbor,

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	13,211	1995	13,224	1998	11,148	2001	12,273
1993	12,734	1996	11,230	1999	11,739		
1994	12,914	1997	10,858	2000	12,161		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
Total, all commodities	10,717	3,736	6,825	113	43
Total coal	0	0	0	---	---
1100 coal lignite	0	0	0	---	---
1200 coal coke	0	---	0	---	---
Total petroleum and petroleum products	1,101	56	1,004	0	40
Subtotal crude petroleum	36	---	36	---	---
2100 crude petroleum	36	---	36	---	---
Subtotal petroleum products	1,065	56	968	0	40
2211 gasoline	79	38	7	---	35
2221 kerosene	6	---	0	---	6
2330 distillate fuel oil	47	17	30	---	---
2340 residual fuel oil	759	---	759	---	---
2350 lube oil & greases	6	0	6	0	---
2410 petro. jelly & waxes	3	2	2	---	---
2429 naphtha & solvents	161	0	161	---	---
2430 asphalt, tar & pitch	1	---	1	---	---
2540 petroleum coke	2	0	2	---	---
2640 liquid natural gas	0	0	0	---	---
Total chemicals and related products	489	165	322	2	0
Subtotal fertilizers	14	3	11	---	---
3110 nitrogenous fert.	0	0	0	---	---

OAKLAND HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
3120 phosphatic fert.	1	—	1	—	—
3130 potassic fert.	0	0	0	—	—
3190 fert. & mixes nec	12	3	9	—	—
Subtotal other chemicals and related products	475	162	312	2	0
3211 acyclic hydrocarbons	0	0	0	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	4	1	3	—	0
3220 alcohols	6	3	3	0	—
3230 carboxylic acids	11	8	3	—	—
3240 nitrogen func. comp.	32	3	29	0	—
3250 organo - inorg. comp.	4	1	2	—	—
3260 organic comp. nec	4	1	3	—	—
3272 sulphuric acid	2	1	1	—	—
3273 ammonia	1	1	1	—	—
3274 sodium hydroxide	1	1	0	—	—
3275 inorg. elem., oxides, & halogen salts	98	5	93	1	0
3276 metallic salts	13	8	5	0	—
3279 inorganic chem. nec	2	1	1	—	—
3281 radioactive material	2	0	1	—	—
3282 pigments & paints	13	2	11	0	0
3283 coloring mat. nec	2	0	2	—	—
3284 medicines	14	2	11	—	—
3285 perfumes & cleansers	30	3	27	—	0
3286 plastics	124	49	74	—	0
3291 pesticides	5	2	3	—	—
3292 starches, gluten, glue	68	54	14	—	—
3293 explosives	1	1	0	—	—
3297 chemical additives	2	0	2	—	0
3298 wood & resin chem.	0	0	0	—	—
3299 chem. products nec	35	13	21	1	0
Total crude materials, inedible except fuels	2,069	204	1,798	67	—
Subtotal forest products, wood and chips	191	157	33	1	—
4110 rubber & gums	0	0	0	—	—
4150 fuel wood	1	0	0	—	—
4161 wood chips	0	0	0	—	—
4170 wood in the rough	39	32	7	—	—
4189 lumber	142	117	25	0	—
4190 forest products nec	8	7	1	0	—
Subtotal pulp and waste paper	1,186	0	1,186	—	—
4225 pulp & waste paper	1,186	0	1,186	—	—
Subtotal soil, sand, gravel, rock and stone	108	38	3	67	—
4310 building stone	33	30	2	0	—
4322 limestone	2	2	0	0	—
4323 gypsum	0	0	0	—	—
4331 sand & gravel	73	6	1	66	—
Subtotal iron ore and scrap	398	0	398	—	—
4410 iron ore	0	0	—	—	—
4420 iron & steel scrap	398	0	398	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—
Subtotal non-ferrous ores and scrap	66	2	64	0	—
4650 aluminum ore	3	1	2	—	—
4680 non-ferrous scrap	56	0	56	—	—
4690 non-ferrous ores nec	7	1	5	0	—
Subtotal sulphur, clay and salt	7	1	6	—	—
4741 sulphur, (dry)	1	—	1	—	—
4782 clay & refrac. mat.	6	1	5	—	—
Subtotal slag	0	0	0	—	—
4860 slag	0	0	0	—	—
Subtotal other non-metal. min.	113	5	108	0	—
4900 non-metal. min. nec	113	5	108	0	—
Total primary manufactured goods	1,142	841	281	20	0
Subtotal paper products	173	105	53	15	—
5110 newsprint	57	41	0	15	—
5120 paper & paperboard	88	46	42	0	—
5190 paper products nec	28	18	11	0	—
Subtotal lime, cement and glass	237	207	27	3	—
5210 lime	0	—	0	—	—
5220 cement & concrete	5	5	0	—	—
5240 glass & glass prod.	88	75	13	0	—
5290 misc. mineral prod.	143	127	14	2	—
Subtotal primary iron and steel products	349	317	33	0	—
5312 pig iron	1	1	0	—	—
5315 ferro alloys	0	0	0	—	—
5320 i&s primary forms	20	17	3	0	—
5330 i&s plates & sheets	135	108	27	—	—
5360 i&s bars & shapes	137	136	0	—	—
5370 i&s pipe & tube	46	45	1	—	—
5390 primary i&s nec	10	9	1	—	—
Subtotal primary non-ferrous metal products	365	199	166	0	0
5421 copper	6	3	3	—	—
5422 aluminum	12	9	4	—	—
5429 smelted prod. nec	134	3	130	0	—

OAKLAND HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
5480 fab. metal products	213	185	29	0	0
Subtotal primary wood products	17	13	2	2	—
5540 primary wood prod.	17	13	2	2	—
Total food and farm products	3,865	906	2,936	21	2
Subtotal fish	55	9	45	0	0
6134 fish (not shellfish)	26	6	20	0	0
6136 shellfish	28	3	25	0	0
Subtotal grain	149	70	79	—	0
6241 wheat	1	0	1	—	—
6344 corn	5	0	5	—	0
6442 rice	142	70	72	—	—
6443 barley & rye	0	0	—	—	—
6445 oats	1	0	0	—	—
6447 sorghum grains	0	—	0	—	—
Subtotal oilseeds	31	6	25	—	—
6521 peanuts	2	2	0	—	—
6522 soybeans	14	1	13	—	—
6590 oilseeds nec	14	3	11	—	—
Subtotal vegetable products	362	92	266	3	0
6653 vegetable oils	14	10	3	0	0
6654 vegetables & prod.	348	82	263	3	—
Subtotal processed grain and animal feed	412	21	391	0	0
6746 wheat flour	2	1	1	—	—
6747 grain mill products	52	15	37	0	0
6781 hay & fodder	212	2	210	—	—
6782 animal feed, prep.	146	3	143	—	—
Subtotal other agricultural products	2,858	708	2,130	18	2
6811 meat, fresh, frozen	566	84	482	—	0
6817 meat, prepared	20	2	18	—	—
6822 dairy products	60	7	53	0	—
6835 fish, prepared	15	13	2	—	—
6838 tallow, animal oils	2	0	1	—	0
6839 animals & prod. nec	148	4	144	—	0
6856 bananas & plantains	1	1	0	—	—
6857 fruit & nuts nec	527	16	511	0	0
6858 fruit juices	159	114	45	1	—
6861 sugar	2	1	1	—	—
6865 molasses	3	3	0	—	—
6871 coffee	64	60	3	1	0
6872 cocoa beans	10	9	0	0	—
6885 alcoholic beverages	596	265	316	14	1
6888 water & ice	64	21	42	1	—
6889 food products nec	340	99	240	1	—
6891 tobacco & products	67	1	66	—	—
6893 cotton	198	2	196	—	—
6894 natural fibers nec	1	1	0	—	—
6899 farm products nec	16	7	9	0	—
Total all manufactured equipment, machinery and products	1,786	1,424	360	2	0
7110 machinery (not elec)	127	87	40	0	0
7120 electrical machinery	350	305	45	0	0
7210 vehicles & parts	386	333	53	0	0
7220 aircraft & parts	1	0	0	0	—
7230 ships & boats	2	1	1	—	0
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	61	35	26	0	—
7500 textile products	111	88	23	0	—
7600 rubber & plastic pr.	116	88	28	0	—
7900 manufac. prod. nec	632	486	144	1	0
Total unknown or not elsewhere classified	266	141	123	1	0
9900 unknown or nec	266	141	123	1	0

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	1,555	327	1,112	68	48
Total petroleum and petroleum products	123	117	7	—	—
Subtotal petroleum products	123	117	7	—	—
2350 lube oil & greases	3	0	3	—	—
2429 naphtha & solvents	116	116	—	—	—
2640 liquid natural gas	1	0	1	—	—
2990 petro. products nec	3	0	3	—	—
Total chemicals and related products	25	1	24	—	—
Subtotal fertilizers	5	—	5	—	—
3190 fert. & mixes nec	5	—	5	—	—
Subtotal other chemicals and related products	20	1	19	—	—
3275 inorg. elem., oxides, & halogen salts	2	—	2	—	—

OAKLAND HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
3281 radioactive material	0	0	—	—	—
3282 pigments & paints	3	0	3	—	—
3284 medicines	1	0	1	—	—
3285 perfumes & cleansers	10	0	10	—	—
3286 plastics	3	—	3	—	—
3291 pesticides	1	—	1	—	—
3293 explosives	0	—	0	—	—
3299 chem. products nec	1	1	—	—	—
Total crude materials, inedible except fuels	80	1	12	66	0
Subtotal forest products, wood and chips	9	0	9	—	0
4189 lumber	9	0	9	—	0
4190 forest products nec	0	0	—	—	—
Subtotal soil, sand, gravel, rock and stone	67	—	1	66	—
4331 sand & gravel	66	—	—	66	—
4338 soil & fill dirt	1	—	1	—	—
Subtotal iron ore and scrap	1	1	—	—	—
4420 iron & steel scrap	1	1	—	—	—
Subtotal other non-metal. min.	2	0	2	—	—
4900 non-metal. min. nec	2	0	2	—	—
Total primary manufactured goods	42	1	41	—	0
Subtotal paper products	4	0	4	—	—
5120 paper & paperboard	1	0	1	—	—
5190 paper products nec	4	0	4	—	—
Subtotal lime, cement and glass	18	0	18	—	0
5220 cement & concrete	1	0	1	—	—
5240 glass & glass prod.	1	—	1	—	—
5290 misc. mineral prod.	17	0	17	—	0
Subtotal primary iron and steel products	1	—	1	—	0
5370 i&s pipe & tube	1	—	1	—	0
Subtotal primary non-ferrous metal products	17	1	16	—	—
5480 fab. metal products	17	1	16	—	—
Subtotal primary wood products	1	0	1	—	—
5540 primary wood prod.	1	0	1	—	—
Total food and farm products	548	99	399	1	48
Subtotal fish	0	0	0	—	—
6134 fish (not shellfish)	0	0	0	—	—
Subtotal grain	43	1	42	—	—
6344 corn	0	—	0	—	—
6442 rice	43	1	42	—	—
Subtotal vegetable products	21	2	19	—	—
6654 vegetables & prod.	21	2	19	—	—
Subtotal processed grain and animal feed	14	0	13	—	—
6746 wheat flour	3	0	3	—	—
6747 grain mill products	1	0	1	—	—
6781 hay & fodder	0	—	0	—	—
6782 animal feed, prep.	9	0	9	—	—
Subtotal other agricultural products	470	96	324	1	48
6811 meat, fresh, frozen	44	1	43	—	—
6822 dairy products	30	1	29	—	—
6839 animals & prod. nec	10	5	6	—	—
6856 bananas & plantains	0	—	0	—	—
6857 fruit & nuts nec	4	1	3	—	—
6858 fruit juices	32	31	0	—	—
6861 sugar	1	—	1	—	—
6865 molasses	96	45	1	1	48
6871 coffee	4	2	2	—	—
6885 alcoholic beverages	40	2	39	—	—
6887 groceries	82	1	80	—	—
6889 food products nec	113	5	108	—	—
6891 tobacco & products	1	0	0	—	—
6899 farm products nec	14	2	12	—	—
Total all manufactured equipment, machinery and products	726	105	621	—	0
7110 machinery (not elec)	57	24	34	—	—
7120 electrical machinery	1	0	1	—	—
7210 vehicles & parts	111	33	78	—	—
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	0	0	0	—	—
7400 manufac. wood prod.	7	1	5	—	0
7500 textile products	5	2	4	—	—
7600 rubber & plastic pr.	3	—	3	—	—
7900 manufac. prod. nec	541	44	496	—	—
Total unknown or not elsewhere classified	11	3	8	—	—
9900 unknown or nec	11	3	8	—	—

*Includes 94 (x1000) tons of foreign inbound in-transits; Includes 41 (x1000) tons of foreign outbound in-transits;
Includes 0 (x1000) tons of Canadian inbound in-transits; Includes 0 (x1000) tons of Canadian outbound in-transits.

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
1992	21,042	1995	20,839	1998	19,020	2001	21,220
1993	24,570	1996	21,803	1999	22,356		
1994	24,094	1997	21,706	2000	19,388		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Inbound*	Outbound	Inbound
Total, all commodities	9,993	8,657	1,122	214
Total coal	8	8	---	---
1200 coal coke	8	8	---	---
Total petroleum and petroleum products	8,321	7,572	646	102
Subtotal crude petroleum	6,369	6,269	1	99
2100 crude petroleum	6,369	6,269	1	99
Subtotal petroleum products	1,952	1,303	645	3
2211 gasoline	60	60	---	---
2221 kerosene	83	83	---	---
2330 distillate fuel oil	96	90	6	---
2340 residual fuel oil	1,037	680	354	3
2350 lube oil & greases	16	2	15	---
2410 petro. jelly & waxes	75	75	---	---
2429 naphtha & solvents	296	275	21	---
2540 petroleum coke	289	40	249	---
Total chemicals and related products	626	283	232	111
Subtotal fertilizers	37	37	---	---
3110 nitrogenous fert.	32	32	---	---
3190 fert. & mixes nec	5	5	---	---
Subtotal other chemicals and related products	588	245	232	111
3211 acyclic hydrocarbons	61	---	61	---
3212 benzene & toluene	32	32	---	---
3220 alcohols	92	63	---	29
3230 carboxylic acids	1	1	---	---
3250 organo - inorg. comp.	3	---	3	---
3260 organic comp. nec	118	36	---	82
3274 sodium hydroxide	94	94	---	---
3275 inorg. elem., oxides, & halogen salts	167	---	167	---
3279 inorganic chem. nec	3	3	---	---
3282 pigments & paints	0	0	---	---
3286 plastics	0	---	0	---
3297 chemical additives	14	14	---	---
3299 chem. products nec	1	1	---	---
Total crude materials, inedible except fuels	551	360	191	---
Subtotal forest products, wood and chips	8	0	7	---
4170 wood in the rough	0	0	---	---
4189 lumber	0	0	---	---
4190 forest products nec	7	---	7	---
Subtotal pulp and waste paper	1	---	1	---
4225 pulp & waste paper	1	---	1	---
Subtotal soil, sand, gravel, rock and stone	196	196	---	---
4323 gypsum	196	196	---	---
Subtotal iron ore and scrap	183	---	183	---
4420 iron & steel scrap	183	---	183	---
Subtotal non-ferrous ores and scrap	121	120	0	---
4650 aluminum ore	120	120	---	---
4680 non-ferrous scrap	0	---	0	---
Subtotal slag	42	42	---	---
4860 slag	42	42	---	---
Subtotal other non-metal. min.	0	---	0	---
4900 non-metal. min. nec	0	---	0	---
Total primary manufactured goods	112	112	0	---
Subtotal lime, cement and glass	0	---	0	---
5290 misc. mineral prod.	0	---	0	---
Subtotal primary iron and steel products	99	99	---	---
5320 i&s primary forms	2	2	---	---
5330 i&s plates & sheets	73	73	---	---
5360 i&s bars & shapes	17	17	---	---
5370 i&s pipe & tube	6	6	---	---

RICHMOND HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Inbound*	Outbound	Inbound
5390 primary i&s nec	2	2	—	—
Subtotal primary non-ferrous metal products	13	12	0	—
5422 aluminum	0	—	0	—
5429 smelted prod. nec	0	—	0	—
5480 fab. metal products	12	12	0	—
Total food and farm products	373	322	51	—
Subtotal oilseeds	57	56	1	—
6590 oilseeds nec	57	56	1	—
Subtotal vegetable products	292	254	38	—
6653 vegetable oils	291	254	37	—
6654 vegetables & prod.	1	—	1	—
Subtotal processed grain and animal feed	4	—	4	—
6747 grain mill products	0	—	0	—
6781 hay & fodder	0	—	0	—
6782 animal feed, prep.	4	—	4	—
Subtotal other agricultural products	20	13	8	—
6811 meat, fresh, frozen	1	—	1	—
6817 meat, prepared	0	—	0	—
6838 tallow, animal oils	4	—	4	—
6839 animals & prod. nec	0	—	0	—
6857 fruit & nuts nec	5	4	0	—
6858 fruit juices	0	—	0	—
6861 sugar	0	—	0	—
6865 molasses	6	6	—	—
6885 alcoholic beverages	1	—	1	—
6889 food products nec	3	3	1	—
6893 cotton	0	—	0	—
Total all manufactured equipment, machinery and products	1	1	0	—
7110 machinery (not elec)	0	0	0	—
7120 electrical machinery	0	—	0	—
7210 vehicles & parts	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	1	0	0	—
Total unknown or not elsewhere classified	2	0	1	—
9900 unknown or nec	2	0	1	—

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	11,227	7,082	3,198	313	425	210
Total petroleum and petroleum products	10,980	7,041	3,085	312	335	208
Subtotal crude petroleum	6,130	6,030	12	88	—	—
2100 crude petroleum	6,130	6,030	12	88	—	—
Subtotal petroleum products	4,851	1,011	3,073	224	335	208
2211 gasoline	2,326	225	2,012	71	8	10
2330 distillate fuel oil	879	543	249	56	16	16
2340 residual fuel oil	920	206	248	88	237	141
2350 lube oil & greases	722	33	565	9	74	41
2429 naphtha & solvents	3	3	—	—	—	—
Total chemicals and related products	168	41	113	—	12	3
Subtotal other chemicals and related products	168	41	113	—	12	3
3211 acyclic hydrocarbons	40	—	37	—	—	3
3212 benzene & toluene	77	7	67	—	4	—
3274 sodium hydroxide	34	34	—	—	—	—
3297 chemical additives	8	—	—	—	8	—
3299 chem. products nec	9	—	9	—	—	—
Total crude materials, inedible except fuels	79	—	—	0	79	—
Subtotal forest products, wood and chips	0	—	—	0	0	—
4189 lumber	0	—	—	0	0	—
Subtotal soil, sand, gravel, rock and stone	79	—	—	—	79	—
4331 sand & gravel	79	—	—	—	79	—
Total primary manufactured goods	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	—	—
5370 i&s pipe & tube	0	—	—	0	—	—

RICHMOND HARBOR, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total all manufactured equipment, machinery and products	0	---	---	0	0	---
7400 manufac. wood prod.	0	---	---	0	0	---

*Includes 66 (x1000) tons of foreign inbound in-transits.

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
1992	36,085	1995	31,265	1998	20,198	2001	22,396
1993	34,447	1996	28,579	1999	18,612		
1994	32,367	1997	22,480	2000	19,877		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound*	Outbound	Through		Outbound	Through	
				Upbound*	Downbnd*		Upbound	Downbnd
Total, all commodities	11,270	686	122	7,266	2,587	108	490	12
Total coal	22	---	---	7	15	---	---	---
1200 coal coke	22	---	---	7	15	---	---	---
Total petroleum and petroleum products	5,587	625	78	3,103	1,516	108	158	---
Subtotal crude petroleum	3,235	612	---	2,422	47	---	154	---
2100 crude petroleum	3,235	612	---	2,422	47	---	154	---
Subtotal petroleum products	2,352	13	78	681	1,468	108	4	---
2211 gasoline	313	---	23	172	19	99	---	---
2221 kerosene	205	---	---	197	---	9	---	---
2330 distillate fuel oil	224	13	45	67	98	---	---	---
2340 residual fuel oil	562	---	10	57	491	---	4	---
2350 lube oil & greases	1	---	---	---	1	---	---	---
2429 naphtha & solvents	189	---	---	189	---	---	---	---
2540 petroleum coke	858	---	---	---	858	---	---	---
Total chemicals and related products	1,915	61	44	1,370	119	---	309	12
Subtotal fertilizers	429	---	---	399	---	---	30	---
3110 nitrogenous fert.	392	---	---	362	---	---	30	---
3130 potassic fert.	4	---	---	4	---	---	---	---
3190 fert. & mixes nec	32	---	---	32	---	---	---	---
Subtotal other chemicals and related products	1,486	61	44	972	119	---	279	12
3212 benzene & toluene	51	44	---	7	---	---	---	---
3220 alcohols	56	---	---	56	---	---	---	---
3230 carboxylic acids	1	---	---	1	---	---	---	---
3260 organic comp. nec	788	---	---	632	---	---	156	---
3273 ammonia	348	---	---	253	---	---	95	---
3274 sodium hydroxide	51	---	---	22	---	---	28	---
3275 inorg. elem., oxides, & halogen salts	164	---	44	0	119	---	---	---
3297 chemical additives	16	16	---	---	---	---	---	---
3299 chem. products nec	12	---	---	1	---	---	---	12
Total crude materials, inedible except fuels	751	---	---	316	435	---	---	---
Subtotal forest products, wood and chips	208	---	---	48	160	---	---	---
4161 wood chips	160	---	---	---	160	---	---	---
4170 wood in the rough	26	---	---	26	---	---	---	---
4189 lumber	22	---	---	22	---	---	---	---
Subtotal pulp and waste paper	1	---	---	1	---	---	---	---
4225 pulp & waste paper	1	---	---	1	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	230	---	---	230	---	---	---	---
4323 gypsum	228	---	---	228	---	---	---	---
4331 sand & gravel	2	---	---	2	---	---	---	---

SAN PABLO BAY AND MARE ISLAND STRAIT, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound*	Outbound	Through		Outbound	Through	
				Upbound*	Downbnd*		Upbound	Downbnd
Subtotal iron ore and scrap	39	---	---	---	39	---	---	---
4420 iron & steel scrap	39	---	---	---	39	---	---	---
Subtotal sulphur, clay and salt	267	---	---	31	236	---	---	---
4741 sulphur, (dry)	267	---	---	31	236	---	---	---
Subtotal slag	7	---	---	7	---	---	---	---
4860 slag	7	---	---	7	---	---	---	---
Total primary manufactured goods	1,286	---	---	1,286	---	---	---	---
Subtotal lime, cement and glass	805	---	---	805	---	---	---	---
5220 cement & concrete	805	---	---	805	---	---	---	---
5240 glass & glass prod.	0	---	---	0	---	---	---	---
5290 misc. mineral prod.	0	---	---	0	---	---	---	---
Subtotal primary iron and steel products	383	---	---	383	---	---	---	---
5330 i&s plates & sheets	374	---	---	374	---	---	---	---
5360 i&s bars & shapes	2	---	---	2	---	---	---	---
5370 i&s pipe & tube	7	---	---	7	---	---	---	---
Subtotal primary non-ferrous metal products	69	---	---	69	---	---	---	---
5480 fab. metal products	69	---	---	69	---	---	---	---
Subtotal primary wood products	29	---	---	29	---	---	---	---
5540 primary wood prod.	29	---	---	29	---	---	---	---
Total food and farm products	1,602	---	---	1,078	501	---	23	---
Subtotal grain	482	---	---	---	482	---	---	---
6241 wheat	69	---	---	---	69	---	---	---
6442 rice	413	---	---	---	413	---	---	---
Subtotal oilseeds	341	---	---	323	17	---	---	---
6590 oilseeds nec	341	---	---	323	17	---	---	---
Subtotal vegetable products	11	---	---	11	---	---	---	---
6653 vegetable oils	11	---	---	11	---	---	---	---
Subtotal processed grain and animal feed	47	---	---	24	---	---	23	---
6781 hay & fodder	47	---	---	24	---	---	23	---
Subtotal other agricultural products	721	---	---	720	1	---	---	---
6838 tallow, animal oils	1	---	---	---	1	---	---	---
6861 sugar	478	---	---	478	---	---	---	---
6865 molasses	219	---	---	219	---	---	---	---
6889 food products nec	23	---	---	23	---	---	---	---
Total all manufactured equipment, machinery and products	105	---	---	103	1	---	---	---
7110 machinery (not elec)	6	---	---	6	---	---	---	---
7120 electrical machinery	4	---	---	4	0	---	---	---
7210 vehicles & parts	94	---	---	93	0	---	---	---
7220 aircraft & parts	0	---	---	0	---	---	---	---
7230 ships & boats	0	---	---	0	---	---	---	---
7400 manufac. wood prod.	1	---	---	1	---	---	---	---
7500 textile products	0	---	---	---	0	---	---	---
7600 rubber & plastic pr.	1	---	---	---	1	---	---	---
7900 manufac. prod. nec	0	---	---	---	0	---	---	---
Total unknown or not elsewhere classified	2	---	---	2	---	---	---	---
9900 unknown or nec	2	---	---	2	---	---	---	---
Ton-miles (x1000) Foreign & Canadian	112,702	6,857	1,218	72,657	25,872	1,079	4,903	117

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	9,084	257	891	6,384	1,553
Total petroleum and petroleum products	8,683	244	891	6,111	1,437
Subtotal crude petroleum	5,279	18	---	5,261	---
2100 crude petroleum	5,279	18	---	5,261	---
Subtotal petroleum products	3,404	226	891	850	1,437
2211 gasoline	1,821	216	551	401	653
2221 kerosene	25	---	15	10	---
2330 distillate fuel oil	920	---	118	346	455
2340 residual fuel oil	459	10	177	49	223
2350 lube oil & greases	100	---	18	8	74

SAN PABLO BAY AND MARE ISLAND STRAIT, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
2429 naphtha & solvents	57	—	12	14	32
2430 asphalt, tar & pitch	16	—	—	16	—
2990 petro. products nec	6	—	—	6	—
Total chemicals and related products	233	13	—	104	116
Subtotal fertilizers	2	—	—	2	—
3110 nitrogenous fert.	2	—	—	2	—
Subtotal other chemicals and related products	231	13	—	103	116
3212 benzene & toluene	13	13	—	—	—
3220 alcohols	138	—	—	23	116
3276 metallic salts	15	—	—	15	—
3297 chemical additives	65	—	—	65	—
Total food and farm products	169	—	—	169	—
Subtotal other agricultural products	169	—	—	169	—
6861 sugar	169	—	—	169	—
Ton-miles (x1000) Coastwise	90,840	2,566	8,911	63,836	15,526

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	2,041	252	22	83	49	1,056	580
Total petroleum and petroleum products	1,616	248	11	83	49	959	267
Subtotal crude petroleum	953	248	—	—	—	706	—
2100 crude petroleum	953	248	—	—	—	706	—
Subtotal petroleum products	663	—	11	83	49	254	267
2211 gasoline	61	—	—	—	—	8	53
2330 distillate fuel oil	117	—	5	17	—	16	80
2340 residual fuel oil	402	—	6	66	44	156	130
2350 lube oil & greases	83	—	—	—	5	74	4
Total chemicals and related products	23	4	11	—	—	8	—
Subtotal other chemicals and related products	23	4	11	—	—	8	—
3212 benzene & toluene	4	4	—	—	—	—	—
3220 alcohols	11	—	11	—	—	—	—
3297 chemical additives	8	—	—	—	—	8	—
Total crude materials, inedible except fuels	295	—	—	—	—	41	254
Subtotal forest products, wood and chips	1	—	—	—	—	1	—
4150 fuel wood	1	—	—	—	—	1	—
Subtotal soil, sand, gravel, rock and stone	267	—	—	—	—	13	254
4331 sand & gravel	267	—	—	—	—	13	254
Subtotal marine shells	28	—	—	—	—	28	—
4515 marine shells	28	—	—	—	—	28	—
Total primary manufactured goods	59	—	—	—	—	—	59
Subtotal lime, cement and glass	59	—	—	—	—	—	59
5290 misc. mineral prod.	59	—	—	—	—	—	59
Subtotal primary non-ferrous metal products	0	—	—	—	—	—	0
5480 fab. metal products	0	—	—	—	—	—	0
Total food and farm products	48	—	—	—	—	48	—
Subtotal other agricultural products	48	—	—	—	—	48	—
6865 molasses	48	—	—	—	—	48	—
Total all manufactured equipment, machinery and products	0	—	—	—	—	0	—
7110 machinery (not elec)	0	—	—	—	—	0	—
Ton-miles (x1000) Internal	17,320	2,520	0	0	491	10,525	3,784
Tons All Traffic (x1000)	22,396						
Ton-miles All Traffic (x1000)	220,862						

*Includes 13 (x1000) tons of foreign inbound in-transits; Includes 118 (x1000) tons of foreign upbound through in-transits; Includes 0 (x1000) tons of foreign downbound through in-transits.

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
1992	27,656	1995	26,931	1998	19,539	2001	20,203
1993	26,046	1996	24,841	1999	17,388		
1994	26,118	1997	20,421	2000	18,435		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound*	Outbound*	Through		Inbound	Through	
				Upbound*	Downbnd		Upbound	Downbnd
Total, all commodities	10,355	4,255	918	3,010	1,669	314	176	12
Total coal	22	---	---	7	15	---	---	---
1200 coal coke	22	---	---	7	15	---	---	---
Total petroleum and petroleum products	4,776	2,951	784	152	732	158	---	---
Subtotal crude petroleum	2,623	2,368	47	53	---	154	---	---
2100 crude petroleum	2,623	2,368	47	53	---	154	---	---
Subtotal petroleum products	2,153	583	736	98	732	4	---	---
2211 gasoline	191	172	19	---	---	---	---	---
2221 kerosene	197	155	---	41	---	---	---	---
2330 distillate fuel oil	166	67	98	---	---	---	---	---
2340 residual fuel oil	552	---	376	57	115	4	---	---
2350 lube oil & greases	1	---	1	---	---	---	---	---
2429 naphtha & solvents	189	189	---	---	---	---	---	---
2540 petroleum coke	858	---	242	---	617	---	---	---
Total chemicals and related products	1,810	687	119	683	---	156	153	12
Subtotal fertilizers	429	---	---	399	---	---	30	---
3110 nitrogenous fert.	392	---	---	362	---	---	30	---
3130 potassic fert.	4	---	---	4	---	---	---	---
3190 fert. & mixes nec	32	---	---	32	---	---	---	---
Subtotal other chemicals and related products	1,382	687	119	284	---	156	123	12
3212 benzene & toluene	7	7	---	---	---	---	---	---
3220 alcohols	56	56	---	---	---	---	---	---
3230 carboxylic acids	1	---	---	1	---	---	---	---
3260 organic comp. nec	788	621	---	10	---	156	---	---
3273 ammonia	348	---	---	253	---	---	95	---
3274 sodium hydroxide	51	3	---	19	---	---	28	---
3275 inorg. elem., oxides, & halogen salts	120	---	119	0	---	---	---	---
3299 chem. products nec	12	---	---	1	---	---	---	12
Total crude materials, inedible except fuels	751	21	---	295	435	---	---	---
Subtotal forest products, wood and chips	208	2	---	46	160	---	---	---
4161 wood chips	160	---	---	---	160	---	---	---
4170 wood in the rough	26	0	---	26	---	---	---	---
4189 lumber	22	2	---	20	---	---	---	---
Subtotal pulp and waste paper	1	---	---	1	---	---	---	---
4225 pulp & waste paper	1	---	---	1	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	230	0	---	230	---	---	---	---
4323 gypsum	228	---	---	228	---	---	---	---
4331 sand & gravel	2	0	---	2	---	---	---	---
Subtotal iron ore and scrap	39	---	---	---	39	---	---	---
4420 iron & steel scrap	39	---	---	---	39	---	---	---
Subtotal sulphur, clay and salt	267	19	---	12	236	---	---	---
4741 sulphur, (dry)	267	19	---	12	236	---	---	---
Subtotal slag	7	---	---	7	---	---	---	---
4860 slag	7	---	---	7	---	---	---	---
Total primary manufactured goods	1,286	2	---	1,284	---	---	---	---
Subtotal lime, cement and glass	805	---	---	805	---	---	---	---
5220 cement & concrete	805	---	---	805	---	---	---	---
5240 glass & glass prod.	0	---	---	0	---	---	---	---
5290 misc. mineral prod.	0	---	---	0	---	---	---	---
Subtotal primary iron and steel products	383	---	---	383	---	---	---	---
5330 i&s plates & sheets	374	---	---	374	---	---	---	---
5360 i&s bars & shapes	2	---	---	2	---	---	---	---
5370 i&s pipe & tube	7	---	---	7	---	---	---	---
Subtotal primary non-ferrous metal products	69	---	---	69	---	---	---	---
5480 fab. metal products	69	---	---	69	---	---	---	---

CARQUINEZ STRAIT, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound*	Outbound*	Through		Inbound	Through	
				Upbound*	Downbnd		Upbound	Downbnd
Subtotal primary wood products	29	2	—	27	—	—	—	—
5540 primary wood prod.	29	2	—	27	—	—	—	—
Total food and farm products	1,602	501	15	578	486	—	23	—
Subtotal grain	482	—	13	—	469	—	—	—
6241 wheat	69	—	—	—	69	—	—	—
6442 rice	413	—	13	—	399	—	—	—
Subtotal oilseeds	341	—	—	323	17	—	—	—
6590 oilseeds nec	341	—	—	323	17	—	—	—
Subtotal vegetable products	11	—	—	11	—	—	—	—
6653 vegetable oils	11	—	—	11	—	—	—	—
Subtotal processed grain and animal feed	47	—	—	24	—	—	23	—
6781 hay & fodder	47	—	—	24	—	—	23	—
Subtotal other agricultural products	721	501	1	219	—	—	—	—
6838 tallow, animal oils	1	—	1	—	—	—	—	—
6861 sugar	478	478	—	—	—	—	—	—
6865 molasses	219	—	—	219	—	—	—	—
6889 food products nec	23	23	—	—	—	—	—	—
Total all manufactured equipment, machinery and products	105	93	0	10	1	—	—	—
7110 machinery (not elec)	6	—	—	6	—	—	—	—
7120 electrical machinery	4	—	—	4	0	—	—	—
7210 vehicles & parts	94	93	0	0	—	—	—	—
7220 aircraft & parts	0	—	—	0	—	—	—	—
7230 ships & boats	0	—	—	0	—	—	—	—
7400 manufac. wood prod.	1	—	—	1	—	—	—	—
7500 textile products	0	—	—	—	0	—	—	—
7600 rubber & plastic pr.	1	—	—	—	1	—	—	—
7900 manufac. prod. nec	0	—	—	—	0	—	—	—
Total unknown or not elsewhere classified	2	0	—	2	—	—	—	—
9900 unknown or nec	2	0	—	2	—	—	—	—
Ton-miles (x1000) Foreign & Canadian	72,483	29,787	6,425	21,073	11,685	2,198	1,233	82

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	7,936	6,156	1,162	228	391
Total petroleum and petroleum products	7,548	5,900	1,046	211	391
Subtotal crude petroleum	5,261	5,106	—	155	—
2100 crude petroleum	5,261	5,106	—	155	—
Subtotal petroleum products	2,287	794	1,046	56	391
2211 gasoline	1,054	365	536	36	117
2221 kerosene	10	10	—	—	—
2330 distillate fuel oil	802	326	340	21	115
2340 residual fuel oil	272	49	136	—	87
2350 lube oil & greases	82	8	2	—	71
2429 naphtha & solvents	45	14	32	—	—
2430 asphalt, tar & pitch	16	16	—	—	—
2990 petro. products nec	6	6	—	—	—
Total chemicals and related products	220	87	116	17	—
Subtotal fertilizers	2	—	—	2	—
3110 nitrogenous fert.	2	—	—	2	—
Subtotal other chemicals and related products	218	87	116	15	—
3220 alcohols	138	23	116	—	—
3276 metallic salts	15	—	—	15	—
3297 chemical additives	65	65	—	—	—
Total food and farm products	169	169	—	—	—
Subtotal other agricultural products	169	169	—	—	—
6861 sugar	169	169	—	—	—
Ton-miles (x1000) Coastwise	49,240	40,106	4,802	1,595	2,737

CARQUINEZ STRAIT, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,912	722	24	55	207	407	446	34	17
Total petroleum and petroleum products	1,435	722	24	49	196	320	82	26	17
Subtotal crude petroleum	706	543	---	---	---	163	---	---	---
2100 crude petroleum	706	543	---	---	---	163	---	---	---
Subtotal petroleum products	730	179	24	49	196	157	82	26	17
2211 gasoline	117	8	19	20	53	---	---	---	17
2330 distillate fuel oil	121	23	4	---	66	9	19	---	---
2340 residual fuel oil	403	74	---	29	73	148	63	15	---
2350 lube oil & greases	78	74	---	---	4	---	---	---	---
2429 naphtha & solvents	10	---	---	---	---	---	---	10	---
Total chemicals and related products	32	---	---	5	11	8	---	9	---
Subtotal other chemicals and related products	32	---	---	5	11	8	---	9	---
3220 alcohols	11	---	---	---	11	---	---	---	---
3297 chemical additives	13	---	---	5	---	8	---	---	---
3299 chem. products nec	9	---	---	---	---	---	---	9	---
Total crude materials, inedible except fuels	396	---	---	---	---	32	364	---	---
Subtotal forest products, wood and chips	1	---	---	---	---	1	---	---	---
4150 fuel wood	1	---	---	---	---	1	---	---	---
Subtotal soil, sand, gravel, rock and stone	377	---	---	---	---	13	364	---	---
4331 sand & gravel	377	---	---	---	---	13	364	---	---
Subtotal marine shells	18	---	---	---	---	18	---	---	---
4515 marine shells	18	---	---	---	---	18	---	---	---
Total food and farm products	48	---	---	---	---	48	---	---	---
Subtotal other agricultural products	48	---	---	---	---	48	---	---	---
6865 molasses	48	---	---	---	---	48	---	---	---
Ton-miles Internal (x1000)	12,101	4,273	142	225	1,257	2,852	3,121	129	102

Tons All Traffic (x1000) 20,203
 Ton-miles All Traffic (x1000) 133,824

*Includes 38 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits;
 Includes 80 (x1000) tons of foreign upbound through in-transits.

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
1992	6,340	1995	7,012	1998	6,644	2001	6,419
1993	7,133	1996	7,407	1999	5,728		
1994	7,556	1997	6,752	2000	6,515		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign				Canadian	
		Inbound	Outbound	Through		Upbound	Downbnd
				Upbound*	Downbnd		
Total, all commodities	4,868	163	115	2,847	1,554	176	12
Total coal	22	—	—	7	15	—	—
1200 coal coke	22	—	—	7	15	—	—
Total petroleum and petroleum products	883	152	115	—	617	—	—
Subtotal crude petroleum	53	53	—	—	—	—	—
2100 crude petroleum	53	53	—	—	—	—	—
Subtotal petroleum products	830	98	115	—	617	—	—
2221 kerosene	41	41	—	—	—	—	—
2340 residual fuel oil	172	57	115	—	—	—	—
2540 petroleum coke	617	—	—	—	617	—	—
Total chemicals and related products	848	—	—	683	—	153	12
Subtotal fertilizers	429	—	—	399	—	30	—
3110 nitrogenous fert.	392	—	—	362	—	30	—
3130 potassic fert.	4	—	—	4	—	—	—
3190 fert. & mixes nec	32	—	—	32	—	—	—
Subtotal other chemicals and related products	419	—	—	284	—	123	12
3230 carboxylic acids	1	—	—	1	—	—	—
3260 organic comp. nec	10	—	—	10	—	—	—
3273 ammonia	348	—	—	253	—	95	—
3274 sodium hydroxide	48	—	—	19	—	28	—
3275 inorg. elem., oxides, & halogen salts	0	—	—	0	—	—	—
3299 chem. products nec	12	—	—	1	—	—	12
Total crude materials, inedible except fuels	731	12	—	284	435	—	—
Subtotal forest products, wood and chips	206	—	—	46	160	—	—
4161 wood chips	160	—	—	—	160	—	—
4170 wood in the rough	26	—	—	26	—	—	—
4189 lumber	20	—	—	20	—	—	—
Subtotal pulp and waste paper	1	—	—	1	—	—	—
4225 pulp & waste paper	1	—	—	1	—	—	—
Subtotal soil, sand, gravel, rock and stone	230	—	—	230	—	—	—
4323 gypsum	228	—	—	228	—	—	—
4331 sand & gravel	2	—	—	2	—	—	—
Subtotal iron ore and scrap	39	—	—	—	39	—	—
4420 iron & steel scrap	39	—	—	—	39	—	—
Subtotal sulphur, clay and salt	248	12	—	—	236	—	—
4741 sulphur, (dry)	248	12	—	—	236	—	—
Subtotal slag	7	—	—	7	—	—	—
4860 slag	7	—	—	7	—	—	—
Total primary manufactured goods	1,284	—	—	1,284	—	—	—
Subtotal lime, cement and glass	805	—	—	805	—	—	—
5220 cement & concrete	805	—	—	805	—	—	—
5240 glass & glass prod.	0	—	—	0	—	—	—
5290 misc. mineral prod.	0	—	—	0	—	—	—
Subtotal primary iron and steel products	383	—	—	383	—	—	—
5330 i&s plates & sheets	374	—	—	374	—	—	—
5360 i&s bars & shapes	2	—	—	2	—	—	—
5370 i&s pipe & tube	7	—	—	7	—	—	—
Subtotal primary non-ferrous metal products	69	—	—	69	—	—	—
5480 fab. metal products	69	—	—	69	—	—	—
Subtotal primary wood products	27	—	—	27	—	—	—
5540 primary wood prod.	27	—	—	27	—	—	—
Total food and farm products	1,087	—	—	578	486	23	—
Subtotal grain	469	—	—	—	469	—	—
6241 wheat	69	—	—	—	69	—	—
6442 rice	399	—	—	—	399	—	—
Subtotal oilseeds	341	—	—	323	17	—	—
6590 oilseeds nec	341	—	—	323	17	—	—
Subtotal vegetable products	11	—	—	11	—	—	—
6653 vegetable oils	11	—	—	11	—	—	—

SUISUN BAY CHANNEL, CA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian	
		Inbound	Outbound	Through		Through	
				Upbound*	Downbnd	Upbound	Downbnd
Subtotal processed grain and animal feed	47	---	---	24	---	23	---
6781 hay & fodder	47	---	---	24	---	23	---
Subtotal other agricultural products	219	---	---	219	---	---	---
6865 molasses	219	---	---	219	---	---	---
Total all manufactured equipment, machinery and products	11	---	---	10	1	---	---
7110 machinery (not elec)	6	---	---	6	---	---	---
7120 electrical machinery	4	---	---	4	0	---	---
7210 vehicles & parts	0	---	---	0	---	---	---
7220 aircraft & parts	0	---	---	0	---	---	---
7230 ships & boats	0	---	---	0	---	---	---
7400 manufac. wood prod.	1	---	---	1	---	---	---
7500 textile products	0	---	---	---	0	---	---
7600 rubber & plastic pr.	1	---	---	---	1	---	---
7900 manufac. prod. nec	0	---	---	---	0	---	---
Total unknown or not elsewhere classified	2	---	---	2	---	---	---
9900 unknown or nec	2	---	---	2	---	---	---
Ton-miles (x1000) Foreign & Canadian	69,394	326	231	42,709	23,311	2,643	175

Commodity	Total	Domestic						
		Coastwise			Internal			
		Receipts	Shipments	Through Upbound	Inbound Upbound	Outbound Upbound	Downbnd	Through Upbound
Total, all commodities	1,551	211	391	17	382	1	470	80
Total petroleum and petroleum products	1,077	211	391	---	369	---	105	---
Subtotal crude petroleum	317	155	---	---	163	---	---	---
2100 crude petroleum	317	155	---	---	163	---	---	---
Subtotal petroleum products	759	56	391	---	207	---	105	---
2211 gasoline	192	36	117	---	20	---	19	---
2330 distillate fuel oil	168	21	115	---	9	---	23	---
2340 residual fuel oil	328	---	87	---	177	---	63	---
2350 lube oil & greases	71	---	71	---	---	---	---	---
Total chemicals and related products	30	---	---	17	13	---	---	---
Subtotal fertilizers	2	---	---	2	---	---	---	---
3110 nitrogenous fert.	2	---	---	2	---	---	---	---
Subtotal other chemicals and related products	28	---	---	15	13	---	---	---
3276 metallic salts	15	---	---	15	---	---	---	---
3297 chemical additives	13	---	---	---	13	---	---	---
Total crude materials, inedible except fuels	396	---	---	---	---	1	364	32
Subtotal forest products, wood and chips	1	---	---	---	---	---	---	1
4150 fuel wood	1	---	---	---	---	---	---	1
Subtotal soil, sand, gravel, rock and stone	377	---	---	---	---	1	364	13
4331 sand & gravel	377	---	---	---	---	1	364	13
Subtotal marine shells	18	---	---	---	---	---	---	18
4515 marine shells	18	---	---	---	---	---	---	18
Total food and farm products	48	---	---	---	---	---	---	48
Subtotal other agricultural products	48	---	---	---	---	---	---	48
6865 molasses	48	---	---	---	---	---	---	48
Ton-miles (x1000) Domestic	6,053	254	747	253	497	4	3,102	1,196
Tons All Traffic (x1000)		6,419						
Ton-miles All Traffic (x1000)		75,448						

*Includes 80 (x1000) tons of foreign upbound through in-transits.

PETALUMA RIVER, CA

Section Included: From across the flats in San Pablo Bay to the mouth of the Petaluma River a distance of 5.3 miles with a controlling depth of 7.0 feet. from the mouth of the river to Western Ave. a distance of 13 miles with a controlling depth of 8.0 feet and 270 feet above Western Ave. A controlling depth of 4.0 feet. Project Depth is 8.0 feet, except for 200 feet above Western Ave. which is 4.0 feet.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	315	1995	196	1998	280	2001	322
1993	208	1996	208	1999	326		
1994	232	1997	216	2000	325		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound Upbound	Outbound Downbnd
Total, all commodities	322	263	59
Total crude materials, inedible except fuels	263	263	---
Subtotal soil, sand, gravel, rock and stone	254	254	---
4331 sand & gravel	254	254	---
Subtotal marine shells	9	9	---
4515 marine shells	9	9	---
Total primary manufactured goods	59	---	59
Subtotal lime, cement and glass	59	---	59
5290 misc. mineral prod.	59	---	59
Ton-miles (x1000)	3,137	2,491	647

Tons All Traffic (x1000) **322**
 Ton-miles All Traffic (x1000) **3,137**

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
1992	1,311	1995	1,220	1998	1,072	2001	950
1993	994	1996	1,197	1999	1,302		
1994	1,407	1997	1,175	2000	1,063		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound	Outbound	Inbound	Total	Coastwise	
						Receipts	Shipments
Total, all commodities	950	7	281	64	598	552	46
Total petroleum and petroleum products	283	---	---	---	283	283	---
Subtotal petroleum products	283	---	---	---	283	283	---
2211 gasoline	283	---	---	---	283	283	---
Total chemicals and related products	4	---	---	---	4	4	---
Subtotal other chemicals and related products	4	---	---	---	4	4	---
3274 sodium hydroxide	4	---	---	---	4	4	---
Total crude materials, inedible except fuels	654	7	272	64	310	265	46
Subtotal forest products, wood and chips	495	7	114	64	310	265	46
4150 fuel wood	5	---	---	5	---	---	---
4161 wood chips	270	---	114	---	156	110	46
4170 wood in the rough	213	---	---	59	154	154	---
4189 lumber	7	7	---	---	---	---	---
Subtotal pulp and waste paper	158	---	158	---	---	---	---
4225 pulp & waste paper	158	---	158	---	---	---	---
Total primary manufactured goods	7	---	7	---	---	---	---
Subtotal paper products	7	---	7	---	---	---	---
5120 paper & paperboard	7	---	7	---	---	---	---
Total food and farm products	2	---	2	---	---	---	---
Subtotal other agricultural products	2	---	2	---	---	---	---
6889 food products nec	2	---	2	---	---	---	---

HUMBOLDT HARBOR AND BAY, CA
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound	Outbound	Inbound	Total	Coastwise	
					Receipts	Shipments	
Total all manufactured equipment, machinery and products	0	---	---	0	---	---	---
7110 machinery (not elec)	0	---	---	0	---	---	---
7900 manufac. prod. nec	0	---	---	0	---	---	---

Other Harbors and Waterways 2001

Harbor or Waterway Project	Commodity	Thousand Short Tons
BERKELEY, CA	No Commerce Reported	
BODEGA BAY, CA	No Commerce Reported	
CRESCENT CITY HARBOR, CA	No Commerce Reported	
MONTEREY HARBOR, CA	No Commerce Reported	
MOSS LANDING HARBOR, CA	No Commerce Reported	
NAPA RIVER, CA	4331 sand & gravel	110
	Total Tons(x1000)	110
	Total Ton-miles(x1000)	1,103
NOYO RIVER, CA	No Commerce Reported	
PILLAR POINT HARBOR, CA	No Commerce Reported	
SAN RAFAEL CREEK, CA	No Commerce Reported	
SANTA CRUZ HARBOR, CA	No Commerce Reported	
SUISUN CHANNEL, CA	No Commerce Reported	
Non-project		
OTHER SAN FRANCISCO BAY AREA PORTS, CA (NET)	2100 crude petroleum	2,165
	2211 gasoline	18
	2340 residual fuel oil	190
	4150 fuel wood	1
	4331 sand & gravel	9
	4515 marine shells	28
	5480 fab. metal products	0
	7110 machinery (not elec)	0
	Total Tons(x1000)	2,411

HILO HARBOR, HAWAII IS., 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
1992	1,588	1995	1,354	1998	1,630	2001	1,680
1993	1,469	1996	1,442	1999	1,701		
1994	1,455	1997	1,489	2000	1,651		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Total, all commodities	1,680	1,250	430
Total petroleum and petroleum products	417	413	4
Subtotal petroleum products	417	413	4
2211 gasoline	157	153	4
2330 distillate fuel oil	68	68	—
2340 residual fuel oil	102	102	—
2350 lube oil & greases	1	0	0
2429 naphtha & solvents	69	69	—
2640 liquid natural gas	20	20	—
2990 petro. products nec	1	1	—
Total chemicals and related products	24	15	9
Subtotal fertilizers	21	12	9
3190 fert. & mixes nec	21	12	9
Subtotal other chemicals and related products	3	3	0
3281 radioactive material	0	—	0
3282 pigments & paints	1	1	—
3284 medicines	1	1	—
3285 perfumes & cleansers	1	1	—
3286 plastics	1	1	—
3291 pesticides	0	0	—
3293 explosives	0	0	0
Total crude materials, inedible except fuels	62	52	10
Subtotal forest products, wood and chips	54	46	9
4189 lumber	54	45	9
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	2	2	—
4338 soil & fill dirt	2	2	—
Subtotal iron ore and scrap	5	4	1
4420 iron & steel scrap	5	4	1
Subtotal other non-metal. min.	0	0	—
4900 non-metal. min. nec	0	0	—
Total primary manufactured goods	728	443	284
Subtotal paper products	18	16	2
5110 newsprint	0	0	—
5120 paper & paperboard	0	0	—
5190 paper products nec	17	16	2
Subtotal lime, cement and glass	29	29	—
5220 cement & concrete	25	25	—
5240 glass & glass prod.	0	0	—
5290 misc. mineral prod.	5	5	—
Subtotal primary iron and steel products	2	2	0
5360 i&s bars & shapes	1	1	0
5370 i&s pipe & tube	1	1	0
Subtotal primary non-ferrous metal products	678	396	282
5480 fab. metal products	678	396	282
Subtotal primary wood products	0	0	—
5540 primary wood prod.	0	0	—
Total food and farm products	179	122	57
Subtotal fish	0	0	—
6134 fish (not shellfish)	0	0	—
Subtotal grain	4	4	—
6442 rice	4	4	—
Subtotal vegetable products	14	6	8
6654 vegetables & prod.	14	6	8
Subtotal processed grain and animal feed	10	10	0
6746 wheat flour	1	1	—
6747 grain mill products	0	0	—
6781 hay & fodder	0	0	—
6782 animal feed, prep.	10	10	0
Subtotal other agricultural products	150	101	48
6811 meat, fresh, frozen	6	6	0
6822 dairy products	0	0	—
6839 animals & prod. nec	5	0	5
6857 fruit & nuts nec	5	0	4
6858 fruit juices	0	—	0
6861 sugar	0	0	—
6871 coffee	0	—	0
6885 alcoholic beverages	9	9	—

HILO HARBOR, HAWAII IS., HI
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
6887 groceries	13	13	—
6889 food products nec	100	72	28
6899 farm products nec	11	0	11
Total all manufactured equipment, machinery and products	270	204	67
7110 machinery (not elec)	7	3	4
7120 electrical machinery	0	0	0
7210 vehicles & parts	127	95	31
7220 aircraft & parts	0	—	0
7230 ships & boats	0	0	0
7400 manufac. wood prod.	3	3	0
7500 textile products	0	0	—
7600 rubber & plastic pr.	1	0	0
7900 manufac. prod. nec	132	102	31
Total unknown or not elsewhere classified	0	0	—
9900 unknown or nec	0	0	—

KAWAIHAE HARBOR, HAWAII IS., 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
1992	790	1995	873	1998	886	2001	1,378
1993	655	1996	969	1999	1,090		
1994	736	1997	980	2000	1,310		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Total, all commodities	1,378	952	425
Total petroleum and petroleum products	19	19	—
Subtotal petroleum products	19	19	—
2211 gasoline	12	12	—
2330 distillate fuel oil	7	7	—
2350 lube oil & greases	0	0	—
2990 petro. products nec	0	0	—
Total chemicals and related products	15	13	2
Subtotal fertilizers	11	9	2
3190 fert. & mixes nec	11	9	2
Subtotal other chemicals and related products	5	5	—
3282 pigments & paints	1	1	—
3284 medicines	0	0	—
3285 perfumes & cleansers	0	0	—
3286 plastics	3	3	—
3293 explosives	1	1	—
Total crude materials, inedible except fuels	29	26	3
Subtotal forest products, wood and chips	26	24	2
4189 lumber	26	24	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	0	0	—
4338 soil & fill dirt	0	0	—
Subtotal iron ore and scrap	2	2	0
4420 iron & steel scrap	2	2	0
Subtotal other non-metal. min.	0	0	—
4900 non-metal. min. nec	0	0	—
Total primary manufactured goods	978	635	343
Subtotal paper products	3	3	1
5110 newsprint	0	0	—
5120 paper & paperboard	0	0	—
5190 paper products nec	3	3	1
Subtotal lime, cement and glass	65	65	0
5220 cement & concrete	52	52	—
5240 glass & glass prod.	0	0	—
5290 misc. mineral prod.	12	12	0
Subtotal primary iron and steel products	2	2	0
5360 i&s bars & shapes	1	1	0
5370 i&s pipe & tube	1	1	0
Subtotal primary non-ferrous metal products	907	565	342
5480 fab. metal products	907	565	342

KAWAIHAE HARBOR, HAWAII IS., HI
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Subtotal primary wood products	0	0	—
5540 primary wood prod.	0	0	—
Total food and farm products	105	94	11
Subtotal fish	0	0	—
6134 fish (not shellfish)	0	0	—
Subtotal grain	1	1	—
6442 rice	1	1	—
Subtotal vegetable products	2	2	0
6654 vegetables & prod.	2	2	0
Subtotal processed grain and animal feed	6	6	—
6746 wheat flour	0	0	—
6747 grain mill products	0	0	—
6781 hay & fodder	0	0	—
6782 animal feed, prep.	6	6	—
Subtotal other agricultural products	96	85	11
6811 meat, fresh, frozen	1	1	—
6839 animals & prod. nec	7	5	3
6857 fruit & nuts nec	0	0	—
6858 fruit juices	0	—	0
6871 coffee	1	0	1
6885 alcoholic beverages	11	11	—
6887 groceries	6	6	—
6889 food products nec	67	60	7
6899 farm products nec	2	2	1
Total all manufactured equipment, machinery and products	232	166	66
7110 machinery (not elec)	5	2	3
7120 electrical machinery	0	0	—
7210 vehicles & parts	129	87	42
7220 aircraft & parts	0	0	0
7230 ships & boats	1	0	0
7300 ordnance & access.	0	0	—
7400 manufac. wood prod.	2	2	0
7500 textile products	0	0	—
7600 rubber & plastic pr.	0	0	—
7900 manufac. prod. nec	95	74	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
1992	2,357	1995	2,586	1998	2,851	2001	3,695
1993	2,216	1996	2,828	1999	3,513		
1994	2,368	1997	2,895	2000	3,477		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign Inbound	Domestic		
			Total	Coastwise	
				Receipts	Shipments
Total, all commodities	3,695	157	3,539	2,257	1,281
Total coal	116	116	—	—	—
1100 coal lignite	116	116	—	—	—
Total petroleum and petroleum products	516	—	516	515	1
Subtotal petroleum products	516	—	516	515	1
2211 gasoline	190	—	190	189	1
2330 distillate fuel oil	217	—	217	217	—
2340 residual fuel oil	91	—	91	91	—
2350 lube oil & greases	2	—	2	2	0
2640 liquid natural gas	15	—	15	15	—
2990 petro. products nec	1	—	1	1	—
Total chemicals and related products	34	—	34	34	0
Subtotal fertilizers	27	—	27	27	—
3110 nitrogenous fert.	3	—	3	3	—
3190 fert. & mixes nec	25	—	25	25	—
Subtotal other chemicals and related products	7	—	7	7	0
3274 sodium hydroxide	1	—	1	1	—
3275 inorg. elem., oxides, & halogen salts	0	—	0	0	—
3281 radioactive material	0	—	0	—	0
3282 pigments & paints	1	—	1	1	0
3284 medicines	1	—	1	1	—
3285 perfumes & cleansers	1	—	1	1	0

KAHULUI HARBOR, MAUI, HI
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound	Total	Coastwise		
				Receipts	Shipments	
3286 plastics	2	---	2	2	---	
3291 pesticides	0	---	0	0	---	
3293 explosives	0	---	0	0	---	
Total crude materials, inedible except fuels	171	---	171	140	30	
Subtotal forest products, wood and chips	71	---	71	67	4	
4189 lumber	70	---	70	67	3	
4190 forest products nec	1	---	1	0	1	
Subtotal pulp and waste paper	5	---	5	0	5	
4225 pulp & waste paper	5	---	5	0	5	
Subtotal soil, sand, gravel, rock and stone	81	---	81	60	20	
4331 sand & gravel	79	---	79	59	20	
4338 soil & fill dirt	1	---	1	1	---	
Subtotal iron ore and scrap	14	---	14	12	1	
4420 iron & steel scrap	14	---	14	12	1	
Subtotal other non-metal. min.	0	---	0	0	---	
4900 non-metal. min. nec	0	---	0	0	---	
Total primary manufactured goods	1,872	41	1,830	1,036	794	
Subtotal paper products	20	---	20	19	2	
5110 newsprint	2	---	2	2	---	
5120 paper & paperboard	1	---	1	1	0	
5190 paper products nec	18	---	18	16	2	
Subtotal lime, cement and glass	113	41	72	72	0	
5220 cement & concrete	91	41	50	50	0	
5240 glass & glass prod.	1	---	1	1	0	
5290 misc. mineral prod.	20	---	20	20	---	
Subtotal primary iron and steel products	4	0	4	4	0	
5360 i&s bars & shapes	2	0	2	2	0	
5370 i&s pipe & tube	3	---	3	3	0	
Subtotal primary non-ferrous metal products	1,734	---	1,734	941	792	
5480 fab. metal products	1,734	---	1,734	941	792	
Subtotal primary wood products	0	---	0	0	0	
5540 primary wood prod.	0	---	0	0	0	
Total food and farm products	467	---	467	189	278	
Subtotal fish	0	---	0	0	---	
6134 fish (not shellfish)	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	10	---	10	10	0	
6746 wheat flour	1	---	1	1	---	
6747 grain mill products	0	---	0	0	---	
6781 hay & fodder	1	---	1	1	---	
6782 animal feed, prep.	8	---	8	8	0	
Subtotal other agricultural products	444	---	444	166	278	
6811 meat, fresh, frozen	6	---	6	6	0	
6822 dairy products	1	---	1	1	0	
6839 animals & prod. nec	4	---	4	2	2	
6857 fruit & nuts nec	0	---	0	0	0	
6858 fruit juices	96	---	96	1	95	
6861 sugar	105	---	105	0	105	
6865 molasses	69	---	69	---	69	
6871 coffee	0	---	0	0	0	
6885 alcoholic beverages	22	---	22	22	---	
6887 groceries	14	---	14	14	0	
6889 food products nec	123	---	123	117	7	
6899 farm products nec	3	---	3	3	1	
Total all manufactured equipment, machinery and products	521	---	521	343	177	
7110 machinery (not elec)	14	---	14	6	8	
7120 electrical machinery	1	---	1	1	0	
7210 vehicles & parts	246	---	246	151	96	
7220 aircraft & parts	0	---	0	0	0	
7230 ships & boats	0	---	0	0	0	
7400 manufac. wood prod.	4	---	4	4	0	
7500 textile products	1	---	1	1	---	
7600 rubber & plastic pr.	1	---	1	1	0	
7900 manufac. prod. nec	253	---	253	180	73	
Total unknown or not elsewhere classified	0	---	0	0	---	
9900 unknown or nec	0	---	0	0	---	

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
1992	8,824	1995	8,233	1998	6,658	2001	6,079
1993	9,357	1996	8,745	1999	8,707		
1994	9,022	1997	8,162	2000	6,778		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic			Internal Intra Upbound
		Inbound	Outbound	Total	Coastwise		
				Receipts	Shipments		
Total, all commodities	6,079	1,990	222	3,867	2,222	1,642	3
Total coal	113	113	---	---	---	---	---
1100 coal lignite	113	113	---	---	---	---	---
Total petroleum and petroleum products	5,760	1,798	173	3,789	2,211	1,574	3
Subtotal crude petroleum	3,797	1,748	---	2,049	2,049	---	---
2100 crude petroleum	3,797	1,748	---	2,049	2,049	---	---
Subtotal petroleum products	1,963	50	173	1,740	162	1,574	3
2211 gasoline	529	19	---	510	11	498	0
2330 distillate fuel oil	389	---	7	382	48	334	---
2340 residual fuel oil	662	31	---	631	2	628	1
2350 lube oil & greases	31	---	---	31	31	---	---
2429 naphtha & solvents	247	---	167	81	---	80	1
2640 liquid natural gas	34	---	---	34	---	34	---
2990 petro. products nec	71	---	---	71	69	1	1
Total crude materials, inedible except fuels	59	---	49	11	11	---	---
Subtotal soil, sand, gravel, rock and stone	2	---	---	2	2	---	---
4331 sand & gravel	2	---	---	2	2	---	---
Subtotal iron ore and scrap	57	---	49	9	9	---	---
4420 iron & steel scrap	57	---	49	9	9	---	---
Total primary manufactured goods	143	76	---	67	---	67	---
Subtotal lime, cement and glass	143	76	---	67	---	67	---
5220 cement & concrete	143	76	---	67	---	67	---
Total all manufactured equipment, machinery and products	3	3	---	---	---	---	---
7110 machinery (not elec)	3	3	---	---	---	---	---
7120 electrical machinery	0	0	---	---	---	---	---
7210 vehicles & parts	0	0	---	---	---	---	---
7900 manufac. prod. nec	0	0	---	---	---	---	---
Total unknown or not elsewhere classified	0	0	---	---	---	---	---
9900 unknown or nec	0	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
1992	11,522	1995	11,545	1998	13,723	2001	16,562
1993	10,595	1996	12,010	1999	12,259		
1994	11,672	1997	12,704	2000	15,501		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intraport
		Inbound*	Outbound	Inbound	Total	Coastwise	Shipments	
					Receipts	Shipments		
Total, all commodities	16,562	4,265	520	5	11,772	6,419	5,294	59
Total coal	359	359	---	---	---	---	---	---
1100 coal lignite	359	359	---	---	---	---	---	---
Total petroleum and petroleum products	4,829	3,508	350	---	971	716	203	52
Subtotal crude petroleum	3,284	3,147	7	---	130	130	---	---
2100 crude petroleum	3,284	3,147	7	---	130	130	---	---
Subtotal petroleum products	1,544	361	343	---	841	586	203	52
2211 gasoline	114	---	0	---	114	101	13	---
2221 kerosene	325	325	---	---	---	---	---	---
2330 distillate fuel oil	180	2	74	---	103	11	90	2
2340 residual fuel oil	622	33	---	---	589	456	83	50
2350 lube oil & greases	12	0	0	---	11	7	5	---
2429 naphtha & solvents	268	0	268	---	---	---	---	---
2540 petroleum coke	0	---	0	---	---	---	---	---
2640 liquid natural gas	13	0	0	---	12	2	10	---
2990 petro. products nec	11	---	---	---	11	9	2	---
Total chemicals and related products	207	7	0	---	200	124	76	---
Subtotal fertilizers	120	0	0	---	119	61	58	---
3110 nitrogenous fert.	2	0	---	---	2	2	---	---
3190 fert. & mixes nec	117	0	0	---	117	59	58	---
Subtotal other chemicals and related products	88	6	0	---	81	63	18	---
3211 acyclic hydrocarbons	0	---	0	---	---	---	---	---
3220 alcohols	0	0	0	---	---	---	---	---
3230 carboxylic acids	0	0	---	---	---	---	---	---
3250 organo - inorg. comp.	0	0	---	---	---	---	---	---
3260 organic comp. nec	0	0	---	---	---	---	---	---
3272 sulphuric acid	0	0	---	---	---	---	---	---
3274 sodium hydroxide	5	---	0	---	5	5	---	---
3275 inorg. elem., oxides, & halogen salts	3	0	0	---	3	3	0	---
3276 metallic salts	0	0	---	---	---	---	---	---
3281 radioactive material	2	---	---	---	2	0	2	---
3282 pigments & paints	15	0	0	---	15	12	2	---
3283 coloring mat. nec	0	0	---	---	---	---	---	---
3284 medicines	8	0	---	---	8	4	3	---
3285 perfumes & cleansers	29	0	0	---	28	26	2	---
3286 plastics	15	1	0	---	14	9	4	---
3291 pesticides	2	0	---	---	2	1	0	---
3292 starches, gluten, glue	0	0	0	---	---	---	---	---
3293 explosives	3	1	0	---	3	2	1	---
3299 chem. products nec	6	3	0	---	3	0	3	---
Total crude materials, inedible except fuels	745	58	116	---	570	267	297	6
Subtotal forest products, wood and chips	411	1	1	---	408	227	181	---
4170 wood in the rough	2	0	---	---	2	2	---	---
4189 lumber	405	0	1	---	403	224	179	---
4190 forest products nec	3	0	0	---	3	2	1	---
Subtotal pulp and waste paper	61	---	52	---	9	5	5	---
4225 pulp & waste paper	61	---	52	---	9	5	5	---
Subtotal soil, sand, gravel, rock and stone	157	57	4	---	97	25	66	6
4310 building stone	4	4	0	---	---	---	---	---
4323 gypsum	0	---	0	---	---	---	---	---
4331 sand & gravel	141	53	3	---	85	17	62	6
4338 soil & fill dirt	12	---	---	---	12	8	4	---
Subtotal iron ore and scrap	101	---	53	---	48	4	45	---
4420 iron & steel scrap	101	---	53	---	48	4	45	---
Subtotal marine shells	0	0	---	---	---	---	---	---
4515 marine shells	0	0	---	---	---	---	---	---
Subtotal non-ferrous ores and scrap	1	0	1	---	---	---	---	---
4680 non-ferrous scrap	1	0	1	---	---	---	---	---

HONOLULU HARBOR, OAHU, HI
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intraport
		Inbound*	Outbound	Inbound	Total	Coastwise		
						Receipts	Shipments	
Subtotal sulphur, clay and salt	6	0	6	---	---	---	---	---
4741 sulphur, (dry)	6	---	6	---	---	---	---	---
4782 clay & refrac. mat.	0	0	---	---	---	---	---	---
Subtotal slag	0	0	0	---	---	---	---	---
4860 slag	0	0	0	---	---	---	---	---
Subtotal other non-metal. min.	8	0	0	---	8	7	1	---
4900 non-metal. min. nec	8	0	0	---	8	7	1	---
Total primary manufactured goods	4,976	166	14	5	4,791	2,138	2,653	0
Subtotal paper products	151	6	4	5	135	89	47	---
5110 newsprint	16	3	0	5	8	4	3	---
5120 paper & paperboard	15	2	1	---	11	10	1	---
5190 paper products nec	120	1	3	---	117	75	42	---
Subtotal lime, cement and glass	399	151	0	---	248	123	125	---
5220 cement & concrete	240	144	0	---	96	16	80	---
5240 glass & glass prod.	5	1	---	---	3	1	2	---
5290 misc. mineral prod.	155	5	0	---	149	106	43	---
Subtotal primary iron and steel products	30	4	0	---	26	14	12	---
5320 i&s primary forms	0	0	---	---	---	---	---	---
5330 i&s plates & sheets	0	0	0	---	---	---	---	---
5360 i&s bars & shapes	20	3	0	---	17	12	5	---
5370 i&s pipe & tube	9	1	0	---	9	1	7	---
5390 primary i&s nec	0	0	0	---	---	---	---	---
Subtotal primary non-ferrous metal products	4,372	3	9	---	4,360	1,890	2,469	0
5421 copper	0	0	---	---	---	---	---	---
5422 aluminum	0	0	0	---	---	---	---	---
5429 smelted prod. nec	8	0	8	---	---	---	---	---
5480 fab. metal products	4,363	3	1	---	4,360	1,890	2,469	0
Subtotal primary wood products	24	1	0	---	23	22	1	---
5540 primary wood prod.	24	1	0	---	23	22	1	---
Total food and farm products	1,981	97	20	---	1,864	1,080	784	---
Subtotal fish	7	4	0	---	3	2	1	---
6134 fish (not shellfish)	6	2	0	---	3	2	1	---
6136 shellfish	1	1	0	---	---	---	---	---
Subtotal grain	129	56	1	---	72	61	11	---
6241 wheat	76	53	---	---	22	22	---	---
6344 corn	0	0	---	---	0	0	---	---
6442 rice	53	3	1	---	49	38	11	---
Subtotal oilseeds	1	1	---	---	---	---	---	---
6521 peanuts	0	0	---	---	---	---	---	---
6522 soybeans	0	0	---	---	---	---	---	---
6590 oilseeds nec	1	1	---	---	---	---	---	---
Subtotal vegetable products	131	3	0	---	127	95	32	---
6653 vegetable oils	0	0	0	---	---	---	---	---
6654 vegetables & prod.	131	3	0	---	127	95	32	---
Subtotal processed grain and animal feed	114	1	1	---	112	80	32	---
6746 wheat flour	15	0	0	---	14	12	3	---
6747 grain mill products	6	1	0	---	5	5	0	---
6781 hay & fodder	2	---	---	---	2	1	1	---
6782 animal feed, prep.	91	0	---	---	91	62	28	---
Subtotal other agricultural products	1,598	32	17	---	1,549	842	707	---
6811 meat, fresh, frozen	94	7	1	---	86	68	18	---
6817 meat, prepared	0	0	0	---	---	---	---	---
6822 dairy products	35	0	0	---	34	32	2	---
6835 fish, prepared	0	0	0	---	---	---	---	---
6839 animals & prod. nec	37	1	0	---	37	20	17	---
6856 bananas & plantains	4	0	2	---	1	1	---	---
6857 fruit & nuts nec	25	2	0	---	22	16	6	---
6858 fruit juices	241	3	2	---	236	97	139	---
6861 sugar	10	---	---	---	10	5	4	---
6865 molasses	140	---	---	---	140	79	61	---
6871 coffee	8	0	0	---	7	5	3	---
6872 cocoa beans	0	0	---	---	---	---	---	---
6885 alcoholic beverages	199	7	1	---	191	137	54	---
6887 groceries	147	---	---	---	147	103	44	---
6888 water & ice	1	0	1	---	---	---	---	---
6889 food products nec	612	11	9	---	592	252	340	---
6891 tobacco & products	1	0	0	---	1	0	0	---
6893 cotton	0	0	---	---	---	---	---	---
6894 natural fibers nec	0	0	---	---	---	---	---	---
6899 farm products nec	46	0	0	---	46	27	20	---

HONOLULU HARBOR, OAHU, HI
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			Internal Intraport
		Inbound*	Outbound	Inbound	Total	Coastwise		
						Receipts	Shipments	
Total all manufactured equipment, machinery and products	3,422	55	4	---	3,364	2,085	1,278	1
7110 machinery (not elec)	179	2	1	---	176	97	79	---
7120 electrical machinery	19	1	0	---	17	13	3	---
7210 vehicles & parts	949	21	1	---	928	393	535	---
7220 aircraft & parts	0	0	0	---	0	0	0	---
7230 ships & boats	7	4	0	---	4	1	3	---
7300 ordnance & access.	0	0	---	---	0	---	0	---
7400 manufac. wood prod.	34	1	0	---	33	22	11	---
7500 textile products	18	4	0	---	14	13	2	---
7600 rubber & plastic pr.	16	5	0	---	10	7	3	---
7900 manufac. prod. nec	2,199	17	1	---	2,181	1,539	641	1
Total unknown or not elsewhere classified	43	15	15	---	12	9	3	---
9900 unknown or nec	43	15	15	---	12	9	3	---

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

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
1992	1,143	1995	1,130	1998	938	2001	1,478
1993	1,283	1996	1,203	1999	1,348		
1994	1,151	1997	1,091	2000	1,581		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Total, all commodities	1,478	946	532
Total petroleum and petroleum products	69	68	1
Subtotal petroleum products	69	68	1
2211 gasoline	57	56	1
2330 distillate fuel oil	2	2	---
2350 lube oil & greases	1	1	0
2640 liquid natural gas	9	9	---
2990 petro. products nec	0	0	---
Total chemicals and related products	13	11	1
Subtotal fertilizers	11	10	1
3190 fert. & mixes nec	11	10	1
Subtotal other chemicals and related products	2	1	0
3281 radioactive material	0	---	0
3282 pigments & paints	0	0	---
3284 medicines	1	1	---
3285 perfumes & cleansers	0	0	---
3286 plastics	0	0	---
3291 pesticides	0	0	---
3293 explosives	0	0	---
Total crude materials, inedible except fuels	37	36	1
Subtotal forest products, wood and chips	32	32	0
4189 lumber	32	32	0
Subtotal soil, sand, gravel, rock and stone	0	0	---
4338 soil & fill dirt	0	0	---
Subtotal iron ore and scrap	4	3	1
4420 iron & steel scrap	4	3	1
Subtotal other non-metal. min.	0	0	---
4900 non-metal. min. nec	0	0	---
Total primary manufactured goods	884	543	340
Subtotal paper products	4	4	---
5110 newsprint	1	1	---
5120 paper & paperboard	0	0	---
5190 paper products nec	3	3	---
Subtotal lime, cement and glass	25	25	0
5220 cement & concrete	19	19	---
5240 glass & glass prod.	0	0	0
5290 misc. mineral prod.	5	5	---

NAWILIWILI HARBOR, KAUAI, HI
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Coastwise	
		Receipts	Shipments
Subtotal primary iron and steel products	3	3	0
5360 i&s bars & shapes	1	1	0
5370 i&s pipe & tube	3	3	0
Subtotal primary non-ferrous metal products	852	511	340
5480 fab. metal products	852	511	340
Subtotal primary wood products	0	0	—
5540 primary wood prod.	0	0	—
Total food and farm products	178	94	84
Subtotal fish	0	0	0
6134 fish (not shellfish)	0	0	0
Subtotal grain	2	2	—
6442 rice	2	2	—
Subtotal vegetable products	5	4	0
6654 vegetables & prod.	5	4	0
Subtotal processed grain and animal feed	3	3	—
6746 wheat flour	0	0	—
6747 grain mill products	0	0	—
6781 hay & fodder	0	0	—
6782 animal feed, prep.	3	3	—
Subtotal other agricultural products	169	85	84
6811 meat, fresh, frozen	2	2	0
6822 dairy products	0	0	0
6839 animals & prod. nec	1	1	1
6857 fruit & nuts nec	0	0	0
6858 fruit juices	0	0	—
6861 sugar	68	0	68
6865 molasses	10	—	10
6871 coffee	2	0	2
6885 alcoholic beverages	10	10	—
6887 groceries	5	5	—
6889 food products nec	69	66	2
6899 farm products nec	2	1	0
Total all manufactured equipment, machinery and products	299	194	104
7110 machinery (not elec)	4	1	3
7120 electrical machinery	0	0	0
7210 vehicles & parts	165	100	65
7220 aircraft & parts	0	0	0
7230 ships & boats	1	1	0
7300 ordnance & access.	0	0	—
7400 manufac. wood prod.	1	1	0
7500 textile products	0	0	—
7600 rubber & plastic pr.	0	0	0
7900 manufac. prod. nec	127	90	36

Other Harbors and Waterways 2001

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	4
	4189 lumber	5
	5120 paper & paperboard	0
	5190 paper products nec	0
	5220 cement & concrete	1
	5240 glass & glass prod.	0
	5360 i&s bars & shapes	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	79
	6839 animals & prod. nec	2
	6889 food products nec	7
	7210 vehicles & parts	29
	7230 ships & boats	1
7900 manufac. prod. nec	28	
	Total Tons(x1000)	155
PORT ALLEN HARBOR, KAUAI, HI	3190 fert. & mixes nec	0
	Total Tons(x1000)	0
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
1992	6,415	1995	8,582	1998	7,115	2001	6,732
1993	7,218	1996	7,705	1999	6,767		
1994	7,927	1997	7,569	2000	7,887		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Domestic						
		Coastwise		Internal				
		Shipments	Through Upbound	Inbound Upbound	Downbnd	Outbound Downbnd	Through Upbound	Downbnd
Total, all commodities	6,732	17	3	135	2	943	1,706	3,926
Total petroleum and petroleum products	1,651	---	---	---	---	---	1,644	7
Subtotal petroleum products	1,651	---	---	---	---	---	1,644	7
2211 gasoline	1,083	---	---	---	---	---	1,076	7
2330 distillate fuel oil	30	---	---	---	---	---	30	---
2340 residual fuel oil	538	---	---	---	---	---	538	---
Total chemicals and related products	231	17	3	135	2	20	55	0
Subtotal fertilizers	59	2	---	---	---	20	37	---
3110 nitrogenous fert.	59	2	---	---	---	20	37	---
Subtotal other chemicals and related products	172	15	3	135	2	---	18	0
3273 ammonia	147	---	---	128	2	---	18	---
3274 sodium hydroxide	7	---	---	7	---	---	---	---
3276 metallic salts	18	15	3	---	---	---	---	---
3286 plastics	0	---	---	---	---	---	0	0
Total crude materials, inedible except fuels	242	---	---	---	---	0	---	241
Subtotal forest products, wood and chips	179	---	---	---	---	---	---	179
4161 wood chips	179	---	---	---	---	---	---	179
Subtotal pulp and waste paper	13	---	---	---	---	---	---	13
4225 pulp & waste paper	13	---	---	---	---	---	---	13
Subtotal iron ore and scrap	48	---	---	---	---	0	---	48
4420 iron & steel scrap	48	---	---	---	---	0	---	48
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	16	---	---	---	---	0	---	16
Subtotal paper products	16	---	---	---	---	0	---	16
5190 paper products nec	16	---	---	---	---	0	---	16
Subtotal primary non-ferrous metal products	0	---	---	---	---	0	---	---
5480 fab. metal products	0	---	---	---	---	0	---	---
Total food and farm products	4,518	---	---	0	---	923	---	3,595
Subtotal grain	4,460	---	---	---	---	880	---	3,580
6241 wheat	4,307	---	---	---	---	868	---	3,439
6344 corn	1	---	---	---	---	1	---	---
6443 barley & rye	152	---	---	---	---	11	---	141
Subtotal vegetable products	22	---	---	---	---	7	---	15
6654 vegetables & prod.	22	---	---	---	---	7	---	15
Subtotal processed grain and animal feed	24	---	---	0	---	24	---	---
6781 hay & fodder	24	---	---	0	---	24	---	---
Subtotal other agricultural products	12	---	---	---	---	12	---	0
6822 dairy products	11	---	---	---	---	11	---	0
6899 farm products nec	1	---	---	---	---	1	---	---
Total all manufactured equipment, machinery and products	75	---	---	0	---	---	8	67
7800 empty containers	5	---	---	0	---	---	4	1
7900 manufac. prod. nec	71	---	---	---	---	---	4	66
Ton-miles (x1000)	224,870	542	94	4,446	3	22,633	59,727	137,425

Tons All Traffic (x1000) **6,732**
 Ton-miles All Traffic (x1000) **224,870**

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
1992	4,719	1995	6,804	1998	5,840	2001	5,639
1993	5,339	1996	5,707	1999	5,836		
1994	5,929	1997	6,103	2000	6,707		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Domestic					
		Coastwise Through	Internal				Intra
			Inbound Upbound	Outbound Downbnd	Through Upbound	Downbnd	
Total, all commodities	5,639	3	1,701	3,045	6	883	1
Total petroleum and petroleum products	1,652	---	1,644	7	---	---	1
Subtotal petroleum products	1,652	---	1,644	7	---	---	1
2211 gasoline	1,085	---	1,076	7	---	---	1
2330 distillate fuel oil	30	---	30	---	---	---	---
2340 residual fuel oil	538	---	538	---	---	---	---
Total chemicals and related products	59	3	55	2	0	0	---
Subtotal fertilizers	37	---	37	---	---	---	---
3110 nitrogenous fert.	37	---	37	---	---	---	---
Subtotal other chemicals and related products	22	3	18	2	0	0	---
3273 ammonia	19	---	18	2	---	---	---
3276 metallic salts	3	3	---	---	---	---	---
3286 plastics	0	---	---	---	0	0	---
Total crude materials, inedible except fuels	241	---	---	171	---	71	---
Subtotal forest products, wood and chips	179	---	---	123	---	57	---
4161 wood chips	179	---	---	123	---	57	---
Subtotal pulp and waste paper	13	---	---	---	---	13	---
4225 pulp & waste paper	13	---	---	---	---	13	---
Subtotal iron ore and scrap	48	---	---	48	---	---	---
4420 iron & steel scrap	48	---	---	48	---	---	---
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	16	---	---	---	---	16	---
Subtotal paper products	16	---	---	---	---	16	---
5190 paper products nec	16	---	---	---	---	16	---
Total food and farm products	3,595	---	---	2,866	---	729	---
Subtotal grain	3,580	---	---	2,857	---	724	---
6241 wheat	3,439	---	---	2,739	---	700	---
6443 barley & rye	141	---	---	118	---	24	---
Subtotal vegetable products	15	---	---	9	---	6	---
6654 vegetables & prod.	15	---	---	9	---	6	---
Subtotal other agricultural products	0	---	---	---	---	0	---
6822 dairy products	0	---	---	---	---	0	---
Total all manufactured equipment, machinery and products	75	---	2	---	6	67	---
7800 empty containers	5	---	0	---	3	1	---
7900 manufac. prod. nec	71	---	2	---	3	66	---
Ton-miles (x1000)	341,793	391	17,793	193,732	843	128,860	173
Tons All Traffic (x1000)	5,639						
Ton-miles All Traffic (x1000)	341,797						

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

Freight Traffic, 2001
(thousand short tons)

Locality	Foreign/Canadian		Domestic				Total	Percent	Through* Traffic
	Inbound	Outbound	Coastwise		Internal				
			Receipts	Shipmnts	Receipts Shipmnts	Intraport			
CHINOOK CHANNEL, WA	---	---	---	---	---	---	---	0.00	---
CLATSKANIE RIVER, OR	---	---	---	---	---	---	---	0.00	---
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUV	4,635	23,401	5,991	579	10,190	1,444	46,242	74.42	4,755
COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO	---	---	---	---	2,161	---	2,161	3.48	6,712
COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK A	---	---	---	17	1,080	---	1,097	1.77	5,636
COLUMBIA RIVER AT BAKERS BAY, WA	---	---	---	---	---	---	---	0.00	---
COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLE	---	---	31	1	804	132	968	1.56	8,825
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS	---	---	---	---	---	---	---	0.00	---
COWLITZ RIVER, WA	---	---	---	---	---	---	---	0.00	---
DEEP RIVER, WA	---	---	---	---	---	---	---	0.00	---
ELOKOMIN SLOUGH, WA	---	---	---	---	---	---	---	0.00	---
GRAYS RIVER, WA	---	---	---	---	---	---	---	0.00	---
LAKE RIVER, WA	---	---	---	---	---	---	---	0.00	---
LEWIS RIVER, WA	---	---	---	---	---	---	---	0.00	---
MULTNOMAH CHANNEL, OR	---	---	60	14	1,545	3	1,621	2.61	---
OREGON SLOUGH (NORTH PORTLAND HARBOR), OR	1,195	1,991	---	---	403	---	3,589	5.78	---
SKAMOKAWA (STEAMBOAT) SLOUGH, WA	---	---	---	---	0	---	0	0.00	---
SKAMOKAWA CREEK, WA	---	---	---	---	---	---	---	0.00	---
SKIPANON CHANNEL, OR	---	---	71	---	37	---	108	0.17	---
SNAKE RIVER, OR, WA AND ID	---	---	---	---	4,746	1	4,748	7.64	891
WESTPORT SLOUGH, OR	---	---	---	---	---	---	---	0.00	---
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER	---	---	---	---	1,374	227	1,601	2.58	---
YOUNGS BAY AND YOUNGS RIVER, OR	---	---	---	---	---	---	---	0.00	---
TOTAL (UNADJUSTED)	5,830	25,392	6,153	610	22,341	1,807	62,134	---	26,819
PERCENT (UNADJUSTED)	9.38	40.87	9.90	0.98	35.96	2.91	---	100.00	---
NET VOLUME OF TONNAGE FOR THE BASIN**	5,830	25,392	6,153	610	11,615	1,807	51,407	---	3
PERCENT (ADJUSTED)	11.34	49.39	11.97	1.19	22.59	3.52	---	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
1992	38,174	1995	44,041	1998	36,441	2001	37,988
1993	37,459	1996	38,799	1999	38,779		
1994	37,065	1997	38,443	2000	41,373		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound*	Downbnd*	Upbound*	Downbnd		Through	
						Upbound	Downbnd	
Total, all commodities	37,988	5,072	25,260	758	132	6,766	6,156	610
Total coal	18	18	---	---	---	---	---	---
1100 coal lignite	18	18	---	---	---	---	---	---
Total petroleum and petroleum products	7,341	663	777	151	87	5,663	5,400	263
Subtotal crude petroleum	175	175	---	---	---	---	---	---
2100 crude petroleum	175	175	---	---	---	---	---	---

COLUMBIA RIVER ENTRANCE, OR AND WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound*	Downbnd*	Upbound*	Downbnd		Upbound	Downbnd
Subtotal petroleum products	7,167	488	777	151	87	5,663	5,400	263
2211 gasoline	3,813	387	—	20	—	3,406	3,365	41
2221 kerosene	32	17	—	—	—	15	15	—
2330 distillate fuel oil	1,493	60	—	67	—	1,366	1,289	77
2340 residual fuel oil	669	20	—	63	—	585	553	32
2350 lube oil & greases	155	0	1	—	—	154	154	—
2410 petro. jelly & waxes	0	0	—	—	—	—	—	—
2429 naphtha & solvents	51	—	1	—	—	51	24	27
2430 asphalt, tar & pitch	91	5	—	—	—	86	—	86
2540 petroleum coke	863	—	776	—	87	—	—	—
2640 liquid natural gas	0	—	0	—	—	—	—	—
Total chemicals and related products	5,569	647	4,699	45	—	177	138	39
Subtotal fertilizers	1,981	233	1,668	—	—	80	73	7
3110 nitrogenous fert.	309	230	0	—	—	79	73	6
3130 potassic fert.	1,667	—	1,667	—	—	—	—	—
3190 fert. & mixes nec	5	3	0	—	—	1	—	1
Subtotal other chemicals and related products	3,588	414	3,031	45	—	97	65	32
3212 benzene & toluene	88	65	—	—	—	22	22	—
3219 other hydrocarbons	0	0	0	—	—	—	—	—
3220 alcohols	77	64	1	—	—	12	—	12
3230 carboxylic acids	7	0	7	—	—	—	—	—
3240 nitrogen func. comp.	0	0	0	—	—	—	—	—
3250 organo - inorg. comp.	0	—	0	—	—	—	—	—
3260 organic comp. nec	17	1	3	—	—	13	13	—
3272 sulphuric acid	0	0	0	—	—	—	—	—
3273 ammonia	133	119	0	14	—	—	—	—
3274 sodium hydroxide	157	126	0	—	—	32	27	4
3275 inorg. elem., oxides, & halogen salts	17	15	2	—	—	—	—	—
3276 metallic salts	2,548	7	2,518	5	—	18	3	15
3279 inorganic chem. nec	1	1	0	—	—	—	—	—
3282 pigments & paints	1	0	1	—	—	—	—	—
3283 coloring mat. nec	0	—	0	—	—	—	—	—
3284 medicines	1	0	1	—	—	—	—	—
3285 perfumes & cleansers	2	0	2	—	—	—	—	—
3286 plastics	29	12	16	0	—	1	—	1
3291 pesticides	0	0	0	—	—	—	—	—
3292 starches, gluten, glue	499	1	478	20	—	—	—	—
3293 explosives	0	0	—	—	—	—	—	—
3297 chemical additives	0	—	0	—	—	—	—	—
3298 wood & resin chem.	6	—	—	6	—	—	—	—
3299 chem. products nec	5	2	4	—	—	—	—	—
Total crude materials, inedible except fuels	4,535	726	2,429	490	44	844	616	228
Subtotal forest products, wood and chips	2,815	150	1,776	52	6	831	616	214
4110 rubber & gums	0	0	—	—	—	—	—	—
4150 fuel wood	8	—	0	8	—	—	—	—
4161 wood chips	567	—	—	35	6	526	523	3
4170 wood in the rough	1,738	45	1,590	10	—	94	92	2
4189 lumber	502	105	186	0	—	211	1	209
4190 forest products nec	0	0	0	—	—	—	—	—
Subtotal pulp and waste paper	243	23	220	—	—	—	—	—
4225 pulp & waste paper	243	23	220	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	767	314	2	438	—	14	—	14
4310 building stone	4	4	—	0	—	—	—	—
4322 limestone	438	0	—	438	—	—	—	—
4323 gypsum	309	309	—	—	—	—	—	—
4331 sand & gravel	16	0	2	—	—	14	—	14
Subtotal iron ore and scrap	136	—	136	—	—	—	—	—
4420 iron & steel scrap	136	—	136	—	—	—	—	—
Subtotal non-ferrous ores and scrap	212	164	48	—	—	—	—	—
4630 copper ore	3	—	3	—	—	—	—	—
4650 aluminum ore	164	164	0	—	—	—	—	—
4680 non-ferrous scrap	16	—	16	—	—	—	—	—
4690 non-ferrous ores nec	29	0	28	—	—	—	—	—
Subtotal sulphur, clay and salt	230	0	229	—	—	—	—	—
4741 sulphur, (dry)	0	0	—	—	—	—	—	—
4782 clay & refrac. mat.	230	0	229	—	—	—	—	—
Subtotal other non-metal. min.	132	76	18	—	39	—	—	—
4900 non-metal. min. nec	132	76	18	—	39	—	—	—

COLUMBIA RIVER ENTRANCE, OR AND WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound*	Downbnd*	Upbound*	Downbnd		Through	
						Upbound	Downbnd	
Total primary manufactured goods	2,979	2,120	739	69	---	51	1	51
Subtotal paper products	594	11	557	0	---	26	---	26
5110 newsprint	329	---	329	---	---	---	---	---
5120 paper & paperboard	223	10	213	0	---	---	---	---
5190 paper products nec	42	1	15	---	---	26	---	26
Subtotal lime, cement and glass	735	619	45	68	---	3	---	3
5220 cement & concrete	668	600	---	68	---	---	---	---
5240 glass & glass prod.	4	3	1	0	---	---	---	---
5290 misc. mineral prod.	64	16	45	0	---	3	---	3
Subtotal primary iron and steel products	1,222	1,208	1	---	---	12	---	12
5312 pig iron	0	0	---	---	---	---	---	---
5315 ferro alloys	43	43	0	---	---	---	---	---
5320 i&s primary forms	507	507	0	---	---	---	---	---
5330 i&s plates & sheets	512	512	1	---	---	---	---	---
5360 i&s bars & shapes	55	43	0	---	---	12	---	12
5370 i&s pipe & tube	73	73	0	---	---	0	---	0
5390 primary i&s nec	32	31	0	---	---	---	---	---
Subtotal primary non-ferrous metal products	314	216	97	0	---	1	---	1
5421 copper	1	1	0	---	---	---	---	---
5422 aluminum	60	60	1	---	---	---	---	---
5429 smelted prod. nec	92	6	86	---	---	---	---	---
5480 fab. metal products	160	149	10	0	---	1	---	1
Subtotal primary wood products	114	66	38	---	---	10	1	9
5540 primary wood prod.	114	66	38	---	---	10	1	9
Total food and farm products	16,600	53	16,520	3	---	24	---	24
Subtotal fish	9	2	7	---	---	---	---	---
6134 fish (not shellfish)	7	0	7	---	---	---	---	---
6136 shellfish	2	1	0	---	---	---	---	---
Subtotal grain	13,218	1	13,194	---	---	23	---	23
6241 wheat	10,675	---	10,652	---	---	22	---	22
6344 corn	1,822	0	1,822	---	---	---	---	---
6442 rice	2	1	0	---	---	1	---	1
6443 barley & rye	711	0	711	---	---	---	---	---
6445 oats	0	0	0	---	---	---	---	---
6447 sorghum grains	8	---	8	---	---	---	---	---
Subtotal oilseeds	1,739	0	1,739	---	---	---	---	---
6521 peanuts	0	---	0	---	---	---	---	---
6522 soybeans	1,435	0	1,435	---	---	---	---	---
6534 flaxseed	0	---	0	---	---	---	---	---
6590 oilseeds nec	304	0	304	---	---	---	---	---
Subtotal vegetable products	296	8	288	---	---	---	---	---
6653 vegetable oils	3	2	0	---	---	---	---	---
6654 vegetables & prod.	293	5	288	---	---	---	---	---
Subtotal processed grain and animal feed	1,150	9	1,141	---	---	---	---	---
6746 wheat flour	6	---	6	---	---	---	---	---
6747 grain mill products	36	0	36	---	---	---	---	---
6781 hay & fodder	640	2	638	---	---	---	---	---
6782 animal feed, prep.	469	7	461	---	---	---	---	---
Subtotal other agricultural products	187	32	151	3	---	0	---	0
6811 meat, fresh, frozen	10	0	10	---	---	---	---	---
6817 meat, prepared	16	---	16	---	---	---	---	---
6822 dairy products	32	---	32	---	---	---	---	---
6835 fish, prepared	3	1	2	---	---	---	---	---
6838 tallow, animal oils	0	0	0	---	---	---	---	---
6839 animals & prod. nec	18	0	18	---	---	---	---	---
6856 bananas & plantains	0	0	---	---	---	---	---	---
6857 fruit & nuts nec	16	1	15	---	---	---	---	---
6858 fruit juices	11	4	7	---	---	0	---	0
6871 coffee	1	1	0	---	---	---	---	---
6885 alcoholic beverages	17	14	1	3	---	---	---	---
6888 water & ice	6	6	---	0	---	---	---	---
6889 food products nec	27	3	24	---	---	---	---	---
6891 tobacco & products	0	0	0	---	---	---	---	---
6893 cotton	0	0	0	---	---	---	---	---
6894 natural fibers nec	6	0	6	---	---	---	---	---
6899 farm products nec	23	2	21	---	---	---	---	---
Total all manufactured equipment, machinery and products	920	833	81	0	---	7	1	5
7110 machinery (not elec)	33	20	13	0	---	0	---	0
7120 electrical machinery	38	26	13	0	---	---	---	---
7210 vehicles & parts	714	683	29	---	---	2	---	2
7220 aircraft & parts	0	0	0	---	---	---	---	---
7230 ships & boats	0	0	0	---	---	0	---	0

COLUMBIA RIVER ENTRANCE, OR AND WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic		
		Through		Through		Total	Coastwise	
		Upbound*	Downbnd*	Upbound*	Downbnd		Through	
						Upbound	Downbnd	
7400 manufac. wood prod.	16	5	8	—	—	3	—	3
7500 textile products	25	20	6	—	—	—	—	—
7600 rubber & plastic pr.	30	24	6	0	—	—	—	—
7900 manufac. prod. nec	64	56	7	0	—	2	1	0
Total unknown or not elsewhere classified	27	12	15	0	—	—	—	—
9900 unknown or nec	27	12	15	0	—	—	—	—

*Includes 77 (x1000) tons of foreign upbound through in-transits; Includes 236 (x1000) tons of foreign downbound through in-transits; Includes 0 (x1000) tons of Canadian upbound through in-transits.

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
1992	51,641	1995	57,124	1998	49,076	2001	50,348
1993	51,243	1996	51,181	1999	50,733		
1994	50,912	1997	52,722	2000	55,193		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Inbound*	Outbound*	Through		Inbound	Outbound	Through	
				Upbound*	Downbnd*			Upbound*	Downbnd
Total, all commodities	31,222	1,562	12,436	3,510	12,824	119	93	639	39
Total coal	18	18	—	—	—	—	—	—	—
1100 coal lignite	18	18	—	—	—	—	—	—	—
Total petroleum and petroleum products	1,678	61	717	602	60	12	87	139	—
Subtotal crude petroleum	175	—	—	175	—	—	—	—	—
2100 crude petroleum	175	—	—	175	—	—	—	—	—
Subtotal petroleum products	1,503	61	717	427	60	12	87	139	—
2211 gasoline	407	57	—	331	—	—	—	20	—
2221 kerosene	17	—	—	17	—	—	—	—	—
2330 distillate fuel oil	127	—	—	60	—	12	—	56	—
2340 residual fuel oil	83	—	—	20	—	—	—	63	—
2350 lube oil & greases	1	—	—	0	1	—	—	—	—
2410 petro. jelly & waxes	0	—	—	0	—	—	—	—	—
2429 naphtha & solvents	1	—	—	—	1	—	—	—	—
2430 asphalt, tar & pitch	5	5	—	—	—	—	—	—	—
2540 petroleum coke	863	—	717	—	59	—	87	—	—
2640 liquid natural gas	0	—	—	—	0	—	—	—	—
Total chemicals and related products	5,391	282	397	365	4,302	20	—	25	—
Subtotal fertilizers	1,901	82	64	151	1,604	—	—	—	—
3110 nitrogenous fert.	230	79	—	151	0	—	—	—	—
3130 potassic fert.	1,667	—	64	—	1,603	—	—	—	—
3190 fert. & mixes nec	4	3	—	0	0	—	—	—	—

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Inbound*	Outbound*	Through		Inbound	Outbound	Through	
				Upbound*	Downbnd*			Upbound*	Downbnd
Subtotal other chemicals and related products	3,491	200	333	214	2,699	20	---	25	---
3212 benzene & toluene	65	65	---	---	---	---	---	---	---
3219 other hydrocarbons	0	---	---	0	0	---	---	---	---
3220 alcohols	65	5	---	59	1	---	---	---	---
3230 carboxylic acids	7	---	---	0	7	---	---	---	---
3240 nitrogen func. comp.	0	---	---	0	0	---	---	---	---
3250 organo - inorg. comp.	0	---	---	---	0	---	---	---	---
3260 organic comp. nec	4	---	---	1	3	---	---	---	---
3272 sulphuric acid	0	---	---	0	0	---	---	---	---
3273 ammonia	133	---	---	119	0	---	---	14	---
3274 sodium hydroxide	126	126	---	---	0	---	---	---	---
3275 inorg. elem., oxides, & halogen salts	17	0	---	15	2	---	---	---	---
3276 metallic salts	2,530	5	112	2	2,406	---	---	5	---
3279 inorganic chem. nec	1	---	---	1	0	---	---	---	---
3282 pigments & paints	1	---	---	0	1	---	---	---	---
3283 coloring mat. nec	0	---	---	---	0	---	---	---	---
3284 medicines	1	---	---	0	1	---	---	---	---
3285 perfumes & cleansers	2	---	---	0	2	---	---	---	---
3286 plastics	28	0	---	12	16	---	---	0	---
3291 pesticides	0	---	---	0	0	---	---	---	---
3292 starches, gluten, glue	499	---	220	1	257	20	---	---	---
3293 explosives	0	---	---	0	---	---	---	---	---
3297 chemical additives	0	---	---	---	0	---	---	---	---
3298 wood & resin chem.	6	---	---	---	---	---	---	6	---
3299 chem. products nec	5	---	---	2	4	---	---	---	---
Total crude materials, inedible except fuels	3,690	400	1,926	326	503	37	6	453	39
Subtotal forest products, wood and chips	1,985	12	1,598	139	178	37	6	15	---
4110 rubber & gums	0	---	---	0	---	---	---	---	---
4150 fuel wood	8	---	---	---	0	8	---	---	---
4161 wood chips	41	---	---	---	---	20	6	15	---
4170 wood in the rough	1,644	0	1,566	44	24	10	---	---	---
4189 lumber	291	11	31	94	154	0	---	---	---
4190 forest products nec	0	---	---	0	0	---	---	---	---
Subtotal pulp and waste paper	243	22	72	1	149	---	---	---	---
4225 pulp & waste paper	243	22	72	1	149	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	753	203	---	111	2	---	---	438	---
4310 building stone	4	---	---	4	---	---	---	0	---
4322 limestone	438	---	---	0	---	---	---	438	---
4323 gypsum	309	203	---	106	---	---	---	---	---
4331 sand & gravel	2	---	---	0	2	---	---	---	---
Subtotal iron ore and scrap	136	---	38	---	98	---	---	---	---
4420 iron & steel scrap	136	---	38	---	98	---	---	---	---
Subtotal non-ferrous ores and scrap	212	156	20	7	27	---	---	---	---
4630 copper ore	3	---	---	---	3	---	---	---	---
4650 aluminum ore	164	156	---	7	0	---	---	---	---
4680 non-ferrous scrap	16	---	---	---	16	---	---	---	---
4690 non-ferrous ores nec	29	---	20	0	8	---	---	---	---

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Inbound*	Outbound*	Through		Inbound	Outbound	Through	
				Upbound*	Downbnd*			Upbound*	Downbnd
Subtotal sulphur, clay and salt	230	---	192	0	38	---	---	---	---
4741 sulphur, (dry)	0	---	---	0	---	---	---	---	---
4782 clay & refrac. mat.	230	---	192	0	38	---	---	---	---
Subtotal other non-metal. min.	132	7	7	69	12	---	---	---	39
4900 non-metal. min. nec	132	7	7	69	12	---	---	---	39
Total primary manufactured goods	2,928	687	328	1,434	411	50	---	18	---
Subtotal paper products	568	1	320	10	237	---	---	0	---
5110 newsprint	329	---	318	---	11	---	---	---	---
5120 paper & paperboard	223	1	2	8	212	---	---	0	---
5190 paper products nec	16	---	---	1	15	---	---	---	---
Subtotal lime, cement and glass	732	---	---	619	45	50	---	18	---
5220 cement & concrete	668	---	---	600	---	50	---	18	---
5240 glass & glass prod.	4	---	---	3	1	---	---	0	---
5290 misc. mineral prod.	61	---	---	16	45	---	---	0	---
Subtotal primary iron and steel products	1,210	587	1	622	1	---	---	---	---
5312 pig iron	0	---	---	0	---	---	---	---	---
5315 ferro alloys	43	11	---	32	0	---	---	---	---
5320 i&s primary forms	507	1	---	506	0	---	---	---	---
5330 i&s plates & sheets	512	478	0	34	0	---	---	---	---
5360 i&s bars & shapes	43	37	0	6	0	---	---	---	---
5370 i&s pipe & tube	73	59	0	14	0	---	---	---	---
5390 primary i&s nec	32	1	---	31	0	---	---	---	---
Subtotal primary non-ferrous metal products	313	49	1	167	96	---	---	0	---
5421 copper	1	---	---	1	0	---	---	---	---
5422 aluminum	60	43	---	17	1	---	---	---	---
5429 smelted prod. nec	92	---	0	6	86	---	---	---	---
5480 fab. metal products	159	7	1	142	9	---	---	0	---
Subtotal primary wood products	104	50	7	17	31	---	---	---	---
5540 primary wood prod.	104	50	7	17	31	---	---	---	---
Total food and farm products	16,576	0	9,066	52	7,454	---	---	3	---
Subtotal fish	9	---	---	2	7	---	---	---	---
6134 fish (not shellfish)	7	---	---	0	7	---	---	---	---
6136 shellfish	2	---	---	1	0	---	---	---	---
Subtotal grain	13,195	---	7,000	1	6,193	---	---	---	---
6241 wheat	10,652	---	5,092	---	5,560	---	---	---	---
6344 corn	1,822	---	1,642	0	180	---	---	---	---
6442 rice	1	---	---	1	0	---	---	---	---
6443 barley & rye	711	---	258	0	453	---	---	---	---
6445 oats	0	---	---	0	0	---	---	---	---
6447 sorghum grains	8	---	8	---	---	---	---	---	---
Subtotal oilseeds	1,739	---	1,713	0	26	---	---	---	---
6521 peanuts	0	---	---	---	0	---	---	---	---
6522 soybeans	1,435	---	1,423	0	13	---	---	---	---
6534 flaxseed	0	---	---	---	0	---	---	---	---
6590 oilseeds nec	304	---	290	0	13	---	---	---	---

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Total	Foreign				Canadian			
		Inbound*	Outbound*	Through		Inbound	Outbound	Through	
				Upbound*	Downbnd*			Upbound*	Downbnd
Subtotal vegetable products	296	---	---	8	288	---	---	---	---
6653 vegetable oils	3	---	---	2	0	---	---	---	---
6654 vegetables & prod.	293	---	---	5	288	---	---	---	---
Subtotal processed grain and animal feed	1,150	0	352	9	789	---	---	---	---
6746 wheat flour	6	---	---	---	6	---	---	---	---
6747 grain mill products	36	---	4	0	32	---	---	---	---
6781 hay & fodder	640	0	---	2	638	---	---	---	---
6782 animal feed, prep.	469	---	348	7	113	---	---	---	---
Subtotal other agricultural products	187	0	1	32	150	---	---	3	---
6811 meat, fresh, frozen	10	---	---	0	10	---	---	---	---
6817 meat, prepared	16	---	---	---	16	---	---	---	---
6822 dairy products	32	---	---	---	32	---	---	---	---
6835 fish, prepared	3	---	---	1	2	---	---	---	---
6838 tallow, animal oils	0	---	---	0	0	---	---	---	---
6839 animals & prod. nec	18	---	---	0	18	---	---	---	---
6856 bananas & plantains	0	---	---	0	---	---	---	---	---
6857 fruit & nuts nec	16	---	---	1	15	---	---	---	---
6858 fruit juices	10	---	---	4	7	---	---	---	---
6871 coffee	1	---	---	1	0	---	---	---	---
6885 alcoholic beverages	17	---	---	14	1	---	---	3	---
6888 water & ice	6	---	---	6	---	---	---	0	---
6889 food products nec	27	0	---	3	24	---	---	---	---
6891 tobacco & products	0	---	---	0	0	---	---	---	---
6893 cotton	0	---	---	0	0	---	---	---	---
6894 natural fibers nec	6	---	1	0	5	---	---	---	---
6899 farm products nec	23	---	---	2	21	---	---	---	---
Total all manufactured equipment, machinery and products	914	113	2	720	79	0	---	0	---
7110 machinery (not elec)	33	9	1	11	12	---	---	0	---
7120 electrical machinery	38	6	---	20	13	---	---	0	---
7210 vehicles & parts	712	93	0	590	29	---	---	---	---
7220 aircraft & parts	0	---	---	0	0	---	---	---	---
7230 ships & boats	0	0	0	0	0	---	---	---	---
7400 manufac. wood prod.	12	1	0	4	7	---	---	---	---
7500 textile products	25	0	1	20	5	---	---	---	---
7600 rubber & plastic pr.	30	3	0	21	6	0	---	0	---
7900 manufac. prod. nec	63	0	---	55	7	0	---	0	---
Total unknown or not elsewhere classified	27	1	0	11	14	---	---	0	---
9900 unknown or nec	27	1	0	11	14	---	---	0	---
Ton-miles Foreign & Canadian (x1000)	2,810,519	124,548	990,085	348,763	1,264,726	10,106	5,881	62,636	3,773

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	6,766	728	280	5,428	330
Total petroleum and petroleum products	5,663	193	20	5,207	243
Subtotal petroleum products	5,663	193	20	5,207	243
2211 gasoline	3,406	44	—	3,321	41
2221 kerosene	15	—	—	15	—
2330 distillate fuel oil	1,366	149	10	1,140	67
2340 residual fuel oil	585	—	10	553	23
2350 lube oil & greases	154	—	—	154	—
2429 naphtha & solvents	51	—	—	24	27
2430 asphalt, tar & pitch	86	—	—	—	86
Total chemicals and related products	177	50	27	88	13
Subtotal fertilizers	80	—	7	73	—
3110 nitrogenous fert.	79	—	6	73	—
3190 fert. & mixes nec	1	—	1	—	—
Subtotal other chemicals and related products	97	50	19	15	13
3212 benzene & toluene	22	22	—	—	—
3220 alcohols	12	—	—	—	12
3260 organic comp. nec	13	—	—	13	—
3274 sodium hydroxide	32	27	4	—	—
3276 metallic salts	18	—	15	3	—
3286 plastics	1	—	—	—	1
Total crude materials, inedible except fuels	844	485	199	132	29
Subtotal forest products, wood and chips	831	485	199	132	16
4161 wood chips	526	485	3	38	—
4170 wood in the rough	94	—	—	92	2
4189 lumber	211	—	196	1	13
Subtotal soil, sand, gravel, rock and stone	14	—	—	—	14
4331 sand & gravel	14	—	—	—	14
Total primary manufactured goods	51	—	29	1	22
Subtotal paper products	26	—	24	—	2
5190 paper products nec	26	—	24	—	2
Subtotal lime, cement and glass	3	—	1	—	2
5290 misc. mineral prod.	3	—	1	—	2
Subtotal primary iron and steel products	12	—	—	—	12
5360 i&s bars & shapes	12	—	—	—	12
5370 i&s pipe & tube	0	—	—	—	0
Subtotal primary non-ferrous metal products	1	—	1	—	0
5480 fab. metal products	1	—	1	—	0
Subtotal primary wood products	10	—	3	1	6
5540 primary wood prod.	10	—	3	1	6
Total food and farm products	24	—	1	—	23
Subtotal grain	23	—	1	—	22
6241 wheat	22	—	—	—	22
6442 rice	1	—	1	—	—
Subtotal other agricultural products	0	—	—	—	0
6858 fruit juices	0	—	—	—	0
Total all manufactured equipment, machinery and products	7	—	5	1	0
7110 machinery (not elec)	0	—	—	—	0
7210 vehicles & parts	2	—	2	—	0
7230 ships & boats	0	—	—	—	0
7400 manufac. wood prod.	3	—	3	—	—
7900 manufac. prod. nec	2	—	—	1	0
Ton-miles (x1000)	632,044	49,988	23,780	526,113	32,163
Coastwise					

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	12,360	1,051	1,813	478	2,189	2,537	2,291	564	1,436
Total petroleum and petroleum products	2,222	377	87	78	14	1,597	57	10	0
Subtotal petroleum products	2,222	377	87	78	14	1,597	57	10	0
2211 gasoline	1,093	4	—	12	6	1,063	7	—	—
2330 distillate fuel oil	54	9	4	4	8	25	3	—	0
2340 residual fuel oil	1,073	363	83	61	0	508	47	10	—

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
2350 lube oil & greases	1	1	0	—	—	—	—	0	0
Total chemicals and related products	271	147	2	24	—	37	0	33	29
Subtotal fertilizers	104	3	—	24	—	19	—	31	27
3110 nitrogenous fert.	103	3	—	24	—	19	—	31	26
3190 fert. & mixes nec	1	—	—	—	—	—	—	—	1
Subtotal other chemicals and related products	167	144	2	—	—	18	0	2	2
3273 ammonia	158	139	2	—	—	18	—	—	—
3274 sodium hydroxide	9	5	—	—	—	—	—	2	2
3286 plastics	0	—	—	—	—	0	0	—	—
Total crude materials, inedible except fuels	4,261	518	229	344	1,248	898	48	291	685
Subtotal forest products, wood and chips	1,055	50	197	62	56	—	—	182	507
4161 wood chips	632	48	181	—	—	—	—	95	307
4170 wood in the rough	424	2	16	62	56	—	—	87	200
4189 lumber	0	—	—	—	0	—	—	—	—
Subtotal pulp and waste paper	13	—	13	—	—	—	—	—	—
4225 pulp & waste paper	13	—	13	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	3,144	468	17	282	1,192	898	—	109	178
4331 sand & gravel	3,144	468	17	282	1,192	898	—	109	178
Subtotal iron ore and scrap	48	—	1	—	0	—	47	—	—
4420 iron & steel scrap	48	—	1	—	0	—	47	—	—
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	22	—	—	—	1	—	16	4	2
Subtotal paper products	16	—	—	—	0	—	16	—	—
5190 paper products nec	16	—	—	—	0	—	16	—	—
Subtotal lime, cement and glass	4	—	—	—	—	—	—	4	—
5220 cement & concrete	4	—	—	—	—	—	—	4	—
Subtotal primary iron and steel products	2	—	—	—	0	—	—	—	2
5360 i&s bars & shapes	2	—	—	—	0	—	—	—	2
Subtotal primary non-ferrous metal products	0	—	—	—	0	—	—	—	—
5480 fab. metal products	0	—	—	—	0	—	—	—	—
Total food and farm products	5,150	0	1,489	30	793	—	2,110	9	719
Subtotal grain	5,032	—	1,489	30	695	—	2,095	9	714
6241 wheat	4,861	—	1,433	30	682	—	2,009	9	698
6344 corn	1	—	—	—	1	—	—	—	—
6443 barley & rye	171	—	56	—	13	—	86	—	17
Subtotal oilseeds	3	—	—	—	—	—	—	—	3
6522 soybeans	3	—	—	—	—	—	—	—	3

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal vegetable products	27	0	---	---	12	---	15	---	---
6654 vegetables & prod.	27	0	---	---	12	---	15	---	---
Subtotal processed grain and animal feed	33	0	---	---	33	---	---	---	---
6781 hay & fodder	33	0	---	---	33	---	---	---	---
Subtotal other agricultural products	56	---	---	---	53	---	0	---	2
6822 dairy products	12	---	---	---	12	---	0	---	---
6887 groceries	40	---	---	---	39	---	---	---	2
6889 food products nec	2	---	---	---	2	---	---	---	0
6899 farm products nec	1	---	---	---	1	---	---	---	---
Total all manufactured equipment, machinery and products	217	9	7	2	133	6	61	0	1
7800 empty containers	14	6	0	---	3	4	1	0	0
7900 manufac. prod. nec	204	3	6	2	130	3	60	---	1
Total waste and scrap nec	217	---	---	---	---	---	---	217	---
8900 waste and scrap nec	217	---	---	---	---	---	---	217	---
Ton-miles Internal (x1000)	1,901,813	91,298	400,992	29,058	267,760	369,379	497,888	51,140	194,298

Tons All Traffic (x1000) 50,348
Ton-miles All Traffic (x1000) 5,344,376

*Includes 19 (x1000) tons of foreign inbound in-transits; Includes 48 (x1000) tons of foreign outbound in-transits;
Includes 58 (x1000) tons of foreign upbound through in-transits; Includes 189 (x1000) tons of foreign downbound through in-transits;
Includes 0 (x1000) tons of Canadian upbound through in-transits.

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
1992	50,890	1995	58,446	1998	49,543	2001	50,997
1993	50,566	1996	52,559	1999	50,905		
1994	50,703	1997	53,098	2000	55,529		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound*	Outbound*	Through		Inbound*	Outbound	Through Upbound*
				Upbound*	Downbnd*			
Total, all commodities	31,222	3,878	23,269	1,194	1,991	757	132	1
Total coal	18	18	---	---	---	---	---	---
1100 coal lignite	18	18	---	---	---	---	---	---
Total petroleum and petroleum products	1,678	663	776	0	1	151	87	---
Subtotal crude petroleum	175	175	---	---	---	---	---	---
2100 crude petroleum	175	175	---	---	---	---	---	---
Subtotal petroleum products	1,503	488	776	0	1	151	87	---
2211 gasoline	407	387	---	---	---	20	---	---
2221 kerosene	17	17	---	---	---	---	---	---
2330 distillate fuel oil	127	60	---	---	---	67	---	---
2340 residual fuel oil	83	20	---	---	---	63	---	---
2350 lube oil & greases	1	0	---	---	1	---	---	---
2410 petro. jelly & waxes	0	---	---	0	---	---	---	---

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound*	Outbound*	Through		Inbound*	Outbound	Through
				Upbound*	Downbnd*			Upbound*
2429 naphtha & solvents	1	—	0	—	1	—	—	—
2430 asphalt, tar & pitch	5	5	—	—	—	—	—	—
2540 petroleum coke	863	—	775	—	0	—	87	—
2640 liquid natural gas	0	—	—	—	0	—	—	—
Total chemicals and related products	5,391	584	4,649	63	50	45	—	0
Subtotal fertilizers	1,901	193	1,667	40	0	—	—	—
3110 nitrogenous fert.	230	190	—	40	0	—	—	—
3130 potassic fert.	1,667	—	1,667	—	—	—	—	—
3190 fert. & mixes nec	4	3	0	0	0	—	—	—
Subtotal other chemicals and related products	3,491	391	2,982	23	49	45	—	0
3212 benzene & toluene	65	65	—	—	—	—	—	—
3219 other hydrocarbons	0	—	0	0	—	—	—	—
3220 alcohols	65	64	0	1	1	—	—	—
3230 carboxylic acids	7	—	0	0	6	—	—	—
3240 nitrogen func. comp.	0	—	0	0	0	—	—	—
3250 organo - inorg. comp.	0	—	—	—	0	—	—	—
3260 organic comp. nec	4	0	0	1	3	—	—	—
3272 sulphuric acid	0	—	0	0	0	—	—	—
3273 ammonia	133	119	—	0	0	14	—	—
3274 sodium hydroxide	126	126	—	—	0	—	—	—
3275 inorg. elem., oxides, & halogen salts	17	12	0	3	2	—	—	—
3276 metallic salts	2,530	5	2,504	2	14	5	—	—
3279 inorganic chem. nec	1	0	—	1	0	—	—	—
3282 pigments & paints	1	0	0	0	1	—	—	—
3283 coloring mat. nec	0	—	—	—	0	—	—	—
3284 medicines	1	—	—	0	1	—	—	—
3285 perfumes & cleansers	2	0	—	0	2	—	—	—
3286 plastics	28	1	1	11	15	—	—	0
3291 pesticides	0	—	—	0	0	—	—	—
3292 starches, gluten, glue	499	—	476	1	1	20	—	—
3293 explosives	0	—	—	0	—	—	—	—
3297 chemical additives	0	—	—	—	0	—	—	—
3298 wood & resin chem.	6	—	—	—	—	6	—	—
3299 chem. products nec	5	0	0	2	3	—	—	—
Total crude materials, inedible except fuels	3,690	636	2,112	90	318	490	44	0
Subtotal forest products, wood and chips	1,985	65	1,634	85	142	52	6	—
4110 rubber & gums	0	—	—	0	—	—	—	—
4150 fuel wood	8	—	—	—	0	8	—	—
4161 wood chips	41	—	—	—	—	35	6	—
4170 wood in the rough	1,644	30	1,588	14	3	10	—	—
4189 lumber	291	35	46	70	139	0	—	—
4190 forest products nec	0	—	0	0	0	—	—	—
Subtotal pulp and waste paper	243	23	80	—	140	—	—	—
4225 pulp & waste paper	243	23	80	—	140	—	—	—
Subtotal soil, sand, gravel, rock and stone	753	309	0	4	1	438	—	0
4310 building stone	4	—	—	4	—	—	—	0
4322 limestone	438	—	—	0	—	438	—	—
4323 gypsum	309	309	—	—	—	—	—	—
4331 sand & gravel	2	0	0	0	1	—	—	—
Subtotal iron ore and scrap	136	—	132	—	4	—	—	—
4420 iron & steel scrap	136	—	132	—	4	—	—	—
Subtotal non-ferrous ores and scrap	212	163	32	0	16	—	—	—
4630 copper ore	3	—	3	—	—	—	—	—
4650 aluminum ore	164	163	—	0	0	—	—	—
4680 non-ferrous scrap	16	—	1	—	16	—	—	—
4690 non-ferrous ores nec	29	0	28	0	0	—	—	—
Subtotal sulphur, clay and salt	230	—	224	0	6	—	—	—
4741 sulphur, (dry)	0	—	—	0	—	—	—	—
4782 clay & refrac. mat.	230	—	224	0	6	—	—	—
Subtotal other non-metal. min.	132	75	10	0	8	—	39	—
4900 non-metal. min. nec	132	75	10	0	8	—	39	—
Total primary manufactured goods	2,928	1,607	395	513	344	68	—	1
Subtotal paper products	568	1	329	10	228	—	—	0
5110 newsprint	329	—	319	—	10	—	—	—
5120 paper & paperboard	223	1	10	8	204	—	—	0
5190 paper products nec	16	0	1	1	14	—	—	—
Subtotal lime, cement and glass	732	600	2	18	43	68	—	0
5220 cement & concrete	668	600	—	—	—	68	—	—
5240 glass & glass prod.	4	0	0	2	1	—	—	0
5290 misc. mineral prod.	61	0	2	16	42	—	—	0

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign				Canadian		
		Inbound*	Outbound*	Through		Inbound*	Outbound	Through
				Upbound*	Downbnd*			Upbound*
Subtotal primary iron and steel products	1,210	758	1	451	1	---	---	---
5312 pig iron	0	---	---	0	---	---	---	---
5315 ferro alloys	43	43	---	0	0	---	---	---
5320 i&s primary forms	507	61	---	445	0	---	---	---
5330 i&s plates & sheets	512	511	0	1	0	---	---	---
5360 i&s bars & shapes	43	42	0	1	0	---	---	---
5370 i&s pipe & tube	73	71	0	2	0	---	---	---
5390 primary i&s nec	32	30	0	2	0	---	---	---
Subtotal primary non-ferrous metal products	313	187	56	29	41	0	---	0
5421 copper	1	---	---	1	0	---	---	---
5422 aluminum	60	59	0	1	1	---	---	---
5429 smelted prod. nec	92	4	54	2	33	---	---	---
5480 fab. metal products	159	124	2	25	8	0	---	0
Subtotal primary wood products	104	60	8	6	30	---	---	---
5540 primary wood prod.	104	60	8	6	30	---	---	---
Total food and farm products	16,576	2	15,322	51	1,198	3	---	1
Subtotal fish	9	0	0	2	7	---	---	---
6134 fish (not shellfish)	7	0	0	0	7	---	---	---
6136 shellfish	2	---	---	1	0	---	---	---
Subtotal grain	13,195	0	13,112	1	82	---	---	---
6241 wheat	10,652	---	10,619	---	33	---	---	---
6344 corn	1,822	---	1,782	0	40	---	---	---
6442 rice	1	---	---	1	0	---	---	---
6443 barley & rye	711	---	703	0	8	---	---	---
6445 oats	0	0	---	---	0	---	---	---
6447 sorghum grains	8	---	8	---	---	---	---	---
Subtotal oilseeds	1,739	0	1,732	0	7	---	---	---
6521 peanuts	0	---	---	---	0	---	---	---
6522 soybeans	1,435	---	1,429	0	7	---	---	---
6534 flaxseed	0	---	---	---	0	---	---	---
6590 oilseeds nec	304	0	304	0	0	---	---	---
Subtotal vegetable products	296	0	19	7	269	---	---	---
6653 vegetable oils	3	0	---	2	0	---	---	---
6654 vegetables & prod.	293	0	19	5	269	---	---	---
Subtotal processed grain and animal feed	1,150	1	443	9	698	---	---	---
6746 wheat flour	6	---	1	---	5	---	---	---
6747 grain mill products	36	---	5	0	31	---	---	---
6781 hay & fodder	640	0	21	2	618	---	---	---
6782 animal feed, prep.	469	1	416	7	45	---	---	---
Subtotal other agricultural products	187	1	16	32	136	3	---	1
6811 meat, fresh, frozen	10	---	1	0	10	---	---	---
6817 meat, prepared	16	---	1	---	16	---	---	---
6822 dairy products	32	---	2	---	29	---	---	---
6835 fish, prepared	3	0	0	1	1	---	---	---
6838 tallow, animal oils	0	---	---	0	0	---	---	---
6839 animals & prod. nec	18	---	1	0	17	---	---	---
6856 bananas & plantains	0	0	---	---	---	---	---	---
6857 fruit & nuts nec	16	---	0	1	15	---	---	---
6858 fruit juices	10	0	0	4	7	---	---	---
6871 coffee	1	0	---	0	0	---	---	---
6885 alcoholic beverages	17	0	0	14	1	3	---	0
6888 water & ice	6	---	---	6	---	---	---	0
6889 food products nec	27	0	5	3	18	---	---	---
6891 tobacco & products	0	0	0	0	---	---	---	---
6893 cotton	0	0	---	0	0	---	---	---
6894 natural fibers nec	6	---	5	0	1	---	---	---
6899 farm products nec	23	0	1	2	21	---	---	---
Total all manufactured equipment, machinery and products	914	367	15	466	66	0	---	0
7110 machinery (not elec)	33	11	2	9	11	0	---	0
7120 electrical machinery	38	8	10	18	3	0	---	---
7210 vehicles & parts	712	337	1	346	28	---	---	---
7220 aircraft & parts	0	0	---	0	0	---	---	---
7230 ships & boats	0	0	0	0	0	---	---	---
7400 manufac. wood prod.	12	1	0	4	7	---	---	---
7500 textile products	25	1	2	19	4	---	---	---
7600 rubber & plastic pr.	30	5	0	19	6	0	---	0
7900 manufac. prod. nec	63	4	0	52	7	0	---	---
Total unknown or not elsewhere classified	27	2	1	10	14	---	---	0
9900 unknown or nec	27	2	1	10	14	---	---	0
Ton-miles (x1000) Foreign & Canadian	2,962,608	377,042	2,170,932	121,751	203,047	79,634	10,078	124

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	6,766	5,991	579	164	31
Total petroleum and petroleum products	5,663	5,400	263	---	---
Subtotal petroleum products	5,663	5,400	263	---	---
2211 gasoline	3,406	3,365	41	---	---
2221 kerosene	15	15	---	---	---
2330 distillate fuel oil	1,366	1,289	77	---	---
2340 residual fuel oil	585	553	32	---	---
2350 lube oil & greases	154	154	---	---	---
2429 naphtha & solvents	51	24	27	---	---
2430 asphalt, tar & pitch	86	---	86	---	---
Total chemicals and related products	177	135	23	3	17
Subtotal fertilizers	80	73	6	---	2
3110 nitrogenous fert.	79	73	5	---	2
3190 fert. & mixes nec	1	---	1	---	---
Subtotal other chemicals and related products	97	62	17	3	15
3212 benzene & toluene	22	22	---	---	---
3220 alcohols	12	---	12	---	---
3260 organic comp. nec	13	13	---	---	---
3274 sodium hydroxide	32	27	4	---	---
3276 metallic salts	18	---	---	3	15
3286 plastics	1	---	1	---	---
Total crude materials, inedible except fuels	844	455	214	162	14
Subtotal forest products, wood and chips	831	455	214	162	---
4161 wood chips	526	453	3	70	---
4170 wood in the rough	94	---	2	92	---
4189 lumber	211	1	209	---	---
Subtotal soil, sand, gravel, rock and stone	14	---	---	---	14
4331 sand & gravel	14	---	---	---	14
Total primary manufactured goods	51	1	50	---	1
Subtotal paper products	26	---	26	---	---
5190 paper products nec	26	---	26	---	---
Subtotal lime, cement and glass	3	---	3	---	---
5290 misc. mineral prod.	3	---	3	---	---
Subtotal primary iron and steel products	12	---	12	---	---
5360 i&s bars & shapes	12	---	12	---	---
5370 i&s pipe & tube	0	---	0	---	---
Subtotal primary non-ferrous metal products	1	---	0	---	1
5480 fab. metal products	1	---	0	---	1
Subtotal primary wood products	10	1	9	---	---
5540 primary wood prod.	10	1	9	---	---
Total food and farm products	24	---	24	---	---
Subtotal grain	23	---	23	---	---
6241 wheat	22	---	22	---	---
6442 rice	1	---	1	---	---
Subtotal other agricultural products	0	---	0	---	---
6858 fruit juices	0	---	0	---	---
Total all manufactured equipment, machinery and products	7	1	5	---	---
7110 machinery (not elec)	0	---	0	---	---
7210 vehicles & parts	2	---	2	---	---
7230 ships & boats	0	---	0	---	---
7400 manufac. wood prod.	3	---	3	---	---
7900 manufac. prod. nec	2	1	0	---	---
Ton-miles (x1000)	672,613	607,738	51,943	10,022	2,910
Coastwise					

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	13,009	4,106	3,430	501	2,153	1,027	348	1,130	314
Total petroleum and petroleum products	2,397	7	---	85	1,909	---	---	309	88
Subtotal petroleum products	2,397	7	---	85	1,909	---	---	309	88
2211 gasoline	1,129	7	---	12	1,063	---	---	45	---
2330 distillate fuel oil	80	---	---	4	37	---	---	33	5
2340 residual fuel oil	1,187	---	---	68	808	---	---	228	83

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
2350 lube oil & greases	2	—	—	—	—	—	—	2	0
Total chemicals and related products	272	—	5	52	184	0	0	24	7
Subtotal fertilizers	87	—	5	41	22	—	—	13	5
3110 nitrogenous fert.	86	—	4	41	22	—	—	13	5
3190 fert. & mixes nec	1	—	1	—	—	—	—	—	—
Subtotal other chemicals and related products	185	—	—	11	162	0	0	10	2
3220 alcohols	19	—	—	9	—	—	—	10	—
3273 ammonia	157	—	—	—	157	—	—	—	—
3274 sodium hydroxide	9	—	—	2	5	—	—	—	2
3286 plastics	0	—	—	—	—	0	0	—	—
Total crude materials, inedible except fuels	4,731	1,298	1,214	148	58	1,014	35	750	213
Subtotal forest products, wood and chips	919	30	552	108	21	21	35	94	59
4161 wood chips	577	27	457	43	—	21	—	24	6
4170 wood in the rough	341	2	96	64	21	—	35	71	53
4189 lumber	0	0	—	—	—	—	—	—	—
Subtotal pulp and waste paper	13	—	13	—	—	—	—	—	—
4225 pulp & waste paper	13	—	13	—	—	—	—	—	—
Subtotal soil, sand, gravel, rock and stone	3,751	1,222	648	40	37	994	—	656	155
4331 sand & gravel	3,751	1,222	648	40	37	994	—	656	155
Subtotal iron ore and scrap	48	47	1	—	—	—	0	—	—
4420 iron & steel scrap	48	47	1	—	—	—	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	22	0	2	—	—	—	16	4	—
Subtotal paper products	16	—	—	—	—	—	16	—	—
5190 paper products nec	16	—	—	—	—	—	16	—	—
Subtotal lime, cement and glass	4	—	—	—	—	—	—	4	—
5220 cement & concrete	4	—	—	—	—	—	—	4	—
Subtotal primary iron and steel products	2	0	2	—	—	—	—	0	—
5360 i&s bars & shapes	2	0	2	—	—	—	—	0	—
Subtotal primary non-ferrous metal products	0	—	—	—	—	—	0	—	—
5480 fab. metal products	0	—	—	—	—	—	0	—	—
Total food and farm products	5,155	2,798	2,201	—	2	0	103	44	6
Subtotal grain	5,037	2,789	2,199	—	—	—	1	44	4
6241 wheat	4,864	2,691	2,127	—	—	—	0	42	4
6344 corn	1	—	—	—	—	—	1	—	—
6443 barley & rye	173	98	72	—	—	—	—	2	—

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WA AND PORTLAND, OR
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal oilseeds	3	---	---	---	---	---	---	---	3
6522 soybeans	3	---	---	---	---	---	---	---	3
Subtotal vegetable products	27	9	---	---	---	0	18	---	---
6654 vegetables & prod.	27	9	---	---	---	0	18	---	---
Subtotal processed grain and animal feed	33	---	---	---	---	0	33	---	---
6781 hay & fodder	33	---	---	---	---	0	33	---	---
Subtotal other agricultural products	56	---	2	---	2	---	52	1	---
6822 dairy products	12	---	---	---	---	---	12	---	---
6887 groceries	40	---	2	---	2	---	37	---	---
6888 water & ice	1	---	---	---	---	---	---	1	---
6889 food products nec	2	---	0	---	---	---	2	---	---
6899 farm products nec	1	---	---	---	---	---	1	---	---
Total all manufactured equipment, machinery and products	215	2	7	0	0	13	193	---	---
7800 empty containers	14	0	0	0	0	9	4	---	---
7900 manufac. prod. nec	202	2	7	---	0	4	189	---	---
Total waste and scrap nec	217	---	---	217	---	---	---	---	---
8900 waste and scrap nec	217	---	---	217	---	---	---	---	---
Ton-miles Internal (x1000)	192,048	59,537	57,232	7,052	26,414	18,487	656	17,380	5,289
Tons All Traffic (x1000)		50,997							
Ton-miles All Traffic (x1000)		3,827,268							

*Includes 74 (x1000) tons of foreign inbound in-transits; Includes 188 (x1000) tons of foreign outbound in-transits;
Includes 0 (x1000) tons of Canadian inbound in-transits; Includes 3 (x1000) tons of foreign upbound through in-transits;
Includes 48 (x1000) tons of foreign downbound through in-transits; Includes 0 (x1000) tons of Canadian upbound through in-transits.

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
1992	987	1995	1,003	1998	477	2001	450
1993	945	1996	882	1999	332		
1994	901	1997	955	2000	364		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Canadian	Domestic				
		Inbound	Total	Coastwise		Internal	
				Receipts	Shipments	Receipts	Shipments
Total, all commodities	450	26	423	188	6	78	151
Total petroleum and petroleum products	17	---	17	---	---	17	---
Subtotal petroleum products	17	---	17	---	---	17	---
2330 distillate fuel oil	1	---	1	---	---	1	---
2340 residual fuel oil	16	---	16	---	---	16	---
Total chemicals and related products	13	---	13	---	6	7	---
Subtotal fertilizers	13	---	13	---	6	7	---
3110 nitrogenous fert.	11	---	11	---	5	6	---
3190 fert. & mixes nec	2	---	2	---	1	1	---

PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Canadian		Domestic			
		Inbound	Total	Coastwise		Internal	
				Receipts	Shipments	Receipts	Shipments
Total crude materials, inedible except fuels	414	20	394	188	—	54	151
Subtotal forest products, wood and chips	275	20	254	188	—	54	12
4150 fuel wood	8	8	—	—	—	—	—
4161 wood chips	235	8	227	188	—	39	—
4170 wood in the rough	32	5	27	—	—	15	12
Subtotal soil, sand, gravel, rock and stone	139	—	139	—	—	—	139
4331 sand & gravel	139	—	139	—	—	—	139
Total primary manufactured goods	6	6	—	—	—	—	—
Subtotal lime, cement and glass	6	6	—	—	—	—	—
5220 cement & concrete	6	6	—	—	—	—	—

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
1992	6,309	1995	6,167	1998	4,279	2001	3,589
1993	5,476	1996	5,163	1999	3,984		
1994	6,442	1997	5,540	2000	4,113		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Inbound*	Outbound*	Inbound	Outbound	Total	Coastwise	Internal	
								Receipts	Receipts
Total, all commodities	3,589	375	2,628	17	93	475	65	397	14
Total coal	18	18	—	—	—	—	—	—	—
1100 coal lignite	18	18	—	—	—	—	—	—	—
Total petroleum and petroleum products	833	5	717	—	87	24	—	23	1
Subtotal petroleum products	833	5	717	—	87	24	—	23	1
2330 distillate fuel oil	0	—	—	—	—	0	—	0	—
2340 residual fuel oil	23	—	—	—	—	23	—	23	1
2350 lube oil & greases	0	—	—	—	—	0	—	0	0
2430 asphalt, tar & pitch	5	5	—	—	—	—	—	—	—
2540 petroleum coke	804	—	717	—	87	—	—	—	—
Total chemicals and related products	97	7	90	—	—	—	—	—	—
Subtotal fertilizers	66	7	59	—	—	—	—	—	—
3110 nitrogenous fert.	7	7	—	—	—	—	—	—	—
3130 potassic fert.	59	—	59	—	—	—	—	—	—
Subtotal other chemicals and related products	31	0	31	—	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	—	—	—	—	—	—	—
3276 metallic salts	19	—	19	—	—	—	—	—	—
3292 starches, gluten, glue	12	—	12	—	—	—	—	—	—

PORT OF LONGVIEW, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Inbound*	Outbound*	Inbound	Outbound	Total	Coastwise	Internal	
							Receipts	Receipts	Shipments
Total crude materials, inedible except fuels	1,809	210	1,124	17	6	451	65	373	13
Subtotal forest products, wood and chips	1,545	---	1,082	17	6	440	65	361	13
4161 wood chips	441	---	---	12	6	423	65	357	---
4170 wood in the rough	1,081	---	1,059	5	---	17	---	4	13
4189 lumber	23	---	23	0	---	---	---	---	---
Subtotal pulp and waste paper	8	---	8	---	---	---	---	---	---
4225 pulp & waste paper	8	---	8	---	---	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	215	203	---	---	---	12	---	12	---
4323 gypsum	203	203	---	---	---	---	---	---	---
4331 sand & gravel	12	---	---	---	---	12	---	12	---
Subtotal sulphur, clay and salt	27	---	27	---	---	---	---	---	---
4782 clay & refrac. mat.	27	---	27	---	---	---	---	---	---
Subtotal other non-metal. min.	14	7	7	---	---	---	---	---	---
4900 non-metal. min. nec	14	7	7	---	---	---	---	---	---
Total primary manufactured goods	306	134	171	---	---	---	---	---	---
Subtotal paper products	172	1	171	---	---	---	---	---	---
5110 newsprint	169	---	169	---	---	---	---	---	---
5120 paper & paperboard	3	1	2	---	---	---	---	---	---
Subtotal primary iron and steel products	133	133	0	---	---	---	---	---	---
5320 i&s primary forms	0	0	---	---	---	---	---	---	---
5330 i&s plates & sheets	129	128	0	---	---	---	---	---	---
5360 i&s bars & shapes	2	2	---	---	---	---	---	---	---
5370 i&s pipe & tube	3	3	0	---	---	---	---	---	---
Subtotal primary non-ferrous metal products	0	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	525	---	525	---	---	---	---	---	---
Subtotal grain	98	---	98	---	---	---	---	---	---
6241 wheat	57	---	57	---	---	---	---	---	---
6344 corn	29	---	29	---	---	---	---	---	---
6443 barley & rye	11	---	11	---	---	---	---	---	---
Subtotal oilseeds	326	---	326	---	---	---	---	---	---
6522 soybeans	47	---	47	---	---	---	---	---	---
6590 oilseeds nec	279	---	279	---	---	---	---	---	---
Subtotal processed grain and animal feed	101	---	101	---	---	---	---	---	---
6782 animal feed, prep.	101	---	101	---	---	---	---	---	---
Subtotal other agricultural products	0	---	0	---	---	---	---	---	---
6894 natural fibers nec	0	---	0	---	---	---	---	---	---

PORT OF LONGVIEW, WA
Freight Traffic, 2001 - continued
(thousand short tons)

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

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

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
1992	6,676	1995	11,347	1998	4,717	2001	6,640
1993	6,501	1996	8,223	1999	6,956		
1994	5,351	1997	8,301	2000	5,791		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Inbound	Outbound*	Total	Coastwise Receipts	Internal		
						Receipts	Shipments	Intraport
Total, all commodities	6,640	325	5,084	1,230	22	1,104	99	5
Total petroleum and petroleum products	8	---	---	8	---	8	---	---
Subtotal petroleum products	8	---	---	8	---	8	---	---
2340 residual fuel oil	8	---	---	8	---	8	---	---
2350 lube oil & greases	0	---	---	0	---	0	---	---
Total chemicals and related products	127	57	47	22	22	---	---	---
Subtotal other chemicals and related products	127	57	47	22	22	---	---	---
3212 benzene & toluene	80	57	---	22	22	---	---	---
3276 metallic salts	24	---	24	---	---	---	---	---
3292 starches, gluten, glue	23	---	23	---	---	---	---	---
Total crude materials, inedible except fuels	114	0	---	114	---	48	63	2
Subtotal forest products, wood and chips	114	0	---	114	---	48	63	2
4170 wood in the rough	114	---	---	114	---	48	63	2
4189 lumber	0	0	---	---	---	---	---	---
Total primary manufactured goods	269	268	---	2	---	2	---	---
Subtotal primary iron and steel products	263	262	---	2	---	2	---	---
5330 i&s plates & sheets	262	262	---	---	---	---	---	---
5360 i&s bars & shapes	2	---	---	2	---	2	---	---
Subtotal primary non-ferrous metal products	6	6	---	---	---	---	---	---
5422 aluminum	2	2	---	---	---	---	---	---
5480 fab. metal products	3	3	---	---	---	---	---	---

PORT OF KALAMA, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Domestic				
		Inbound	Outbound*	Total	Coastwise Receipts	Internal		
						Receipts	Shipments	Intraport
Subtotal primary wood products	1	1	---	---	---	---	---	---
5540 primary wood prod.	1	1	---	---	---	---	---	---
Total food and farm products	6,122	---	5,037	1,085	---	1,046	36	3
Subtotal grain	4,557	---	3,475	1,082	---	1,043	36	3
6241 wheat	2,674	---	1,657	1,017	---	978	36	3
6344 corn	1,613	---	1,613	---	---	---	---	---
6443 barley & rye	262	---	196	66	---	66	---	---
6447 sorghum grains	8	---	8	---	---	---	---	---
Subtotal oilseeds	1,329	---	1,326	3	---	3	---	---
6522 soybeans	1,329	---	1,326	3	---	3	---	---
Subtotal processed grain and animal feed	236	---	236	---	---	---	---	---
6747 grain mill products	4	---	4	---	---	---	---	---
6782 animal feed, prep.	232	---	232	---	---	---	---	---
Total all manufactured equipment, machinery and products	0	0	0	---	---	---	---	---
7110 machinery (not elec)	0	0	---	---	---	---	---	---
7230 ships & boats	0	0	---	---	---	---	---	---
7500 textile products	0	---	0	---	---	---	---	---
7600 rubber & plastic pr.	0	---	0	---	---	---	---	---

*Includes 47 (x1000) tons of foreign outbound in-transits.

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
1992	1,405	1995	1,616	1998	1,267	2001	1,621
1993	1,570	1996	1,783	1999	1,203		
1994	1,360	1997	1,298	2000	1,400		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Domestic						
		Coastwise		Internal				
		Receipts	Shipments	Inbound		Outbound		Intra
Upbound	Downbnd			Upbound	Downbnd			
Total, all commodities	1,621	60	14	152	50	446	897	3
Total petroleum and petroleum products	50	---	---	---	50	---	---	---
Subtotal petroleum products	50	---	---	---	50	---	---	---
2330 distillate fuel oil	2	---	---	---	2	---	---	---
2340 residual fuel oil	47	---	---	---	47	---	---	---
Total crude materials, inedible except fuels	1,571	60	14	152	---	446	897	3
Subtotal forest products, wood and chips	195	60	---	114	---	---	18	3
4170 wood in the rough	195	60	---	114	---	---	18	3
Subtotal soil, sand, gravel, rock and stone	1,376	---	14	37	---	446	879	---
4331 sand & gravel	1,376	---	14	37	---	446	879	---
Ton-miles (x1000)	14,886	1,430	27	193	1,189	10,269	1,776	3
Tons All Traffic (x1000)			1,621					
Ton-miles All Traffic (x1000)			14,886					

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
1992	2,794	1995	3,592	1998	3,103	2001	3,589
1993	3,089	1996	2,928	1999	3,717		
1994	3,730	1997	3,608	2000	3,667		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound*	Outbound*	Inbound*	Total	Internal	
					Upbound	Inbound	Outbound
Total, all commodities	3,589	1,194	1,991	1	403	389	15
Total petroleum and petroleum products	32	0	1	---	31	31	---
Subtotal petroleum products	32	0	1	---	31	31	---
2340 residual fuel oil	31	---	---	---	31	31	---
2350 lube oil & greases	1	---	1	---	---	---	---
2410 petro. jelly & waxes	0	0	---	---	---	---	---
2429 naphtha & solvents	1	---	1	---	---	---	---
2540 petroleum coke	0	---	---	---	---	---	---
2640 liquid natural gas	0	---	0	---	---	---	---
Total chemicals and related products	113	63	50	0	0	0	0
Subtotal fertilizers	40	40	0	---	---	---	---
3110 nitrogenous fert.	40	40	0	---	---	---	---
3190 fert. & mixes nec	1	0	0	---	---	---	---
Subtotal other chemicals and related products	73	23	49	0	0	0	0
3219 other hydrocarbons	0	0	---	---	---	---	---
3220 alcohols	1	1	1	---	---	---	---
3230 carboxylic acids	7	0	6	---	---	---	---
3240 nitrogen func. comp.	0	0	0	---	---	---	---
3250 organo - inorg. comp.	0	---	0	---	---	---	---
3260 organic comp. nec	4	1	3	---	---	---	---
3272 sulphuric acid	0	0	0	---	---	---	---
3273 ammonia	0	0	0	---	---	---	---
3274 sodium hydroxide	0	---	0	---	---	---	---
3275 inorg. elem.,oxides, & halogen salts	5	3	2	---	---	---	---
3276 metallic salts	16	2	14	---	---	---	---
3279 inorganic chem. nec	1	1	0	---	---	---	---
3282 pigments & paints	1	0	1	---	---	---	---
3283 coloring mat. nec	0	---	0	---	---	---	---
3284 medicines	1	0	1	---	---	---	---
3285 perfumes & cleansers	2	0	2	---	---	---	---
3286 plastics	27	11	15	0	0	0	0
3291 pesticides	0	0	0	---	---	---	---
3292 starches, gluten, glue	2	1	1	---	---	---	---
3293 explosives	0	0	---	---	---	---	---
3297 chemical additives	0	---	0	---	---	---	---
3299 chem. products nec	5	2	3	---	---	---	---
Total crude materials, inedible except fuels	452	90	318	0	44	44	---
Subtotal forest products, wood and chips	227	85	142	---	---	---	---
4110 rubber & gums	0	0	---	---	---	---	---
4150 fuel wood	0	---	0	---	---	---	---
4170 wood in the rough	17	14	3	---	---	---	---
4189 lumber	210	70	139	---	---	---	---
4190 forest products nec	0	0	0	---	---	---	---
Subtotal pulp and waste paper	140	---	140	---	---	---	---
4225 pulp & waste paper	140	---	140	---	---	---	---
Subtotal soil, sand, gravel, rock and stone	49	4	1	0	43	43	---
4310 building stone	4	4	---	0	---	---	---
4322 limestone	0	0	---	---	---	---	---
4331 sand & gravel	44	0	1	---	43	43	---
Subtotal iron ore and scrap	4	---	4	---	0	0	---
4420 iron & steel scrap	4	---	4	---	0	0	---
Subtotal non-ferrous ores and scrap	16	0	16	---	---	---	---
4650 aluminum ore	0	0	0	---	---	---	---
4680 non-ferrous scrap	16	---	16	---	---	---	---
4690 non-ferrous ores nec	0	0	0	---	---	---	---
Subtotal sulphur, clay and salt	7	0	6	---	1	1	---
4741 sulphur, (dry)	0	0	---	---	---	---	---
4782 clay & refrac. mat.	7	0	6	---	1	1	---
Subtotal other non-metal. min.	9	0	8	---	0	0	---
4900 non-metal. min. nec	9	0	8	---	0	0	---
Total primary manufactured goods	874	513	344	1	16	16	---
Subtotal paper products	254	10	228	0	16	16	---
5110 newsprint	10	---	10	---	---	---	---
5120 paper & paperboard	212	8	204	0	---	---	---

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound*	Outbound*	Inbound*	Total	Internal	
						Inbound Upbound	Outbound Downbnd
5190 paper products nec	31	1	14	---	16	16	---
Subtotal lime, cement and glass	62	18	43	0	---	---	---
5240 glass & glass prod.	3	2	1	0	---	---	---
5290 misc. mineral prod.	58	16	42	0	---	---	---
Subtotal primary iron and steel products	451	451	1	---	---	---	---
5312 pig iron	0	0	---	---	---	---	---
5315 ferro alloys	0	0	0	---	---	---	---
5320 i&s primary forms	445	445	0	---	---	---	---
5330 i&s plates & sheets	1	1	0	---	---	---	---
5360 i&s bars & shapes	1	1	0	---	---	---	---
5370 i&s pipe & tube	2	2	0	---	---	---	---
5390 primary i&s nec	2	2	0	---	---	---	---
Subtotal primary non-ferrous metal products	70	29	41	0	0	0	---
5421 copper	1	1	0	---	---	---	---
5422 aluminum	1	1	1	---	---	---	---
5429 smelted prod. nec	35	2	33	---	---	---	---
5480 fab. metal products	33	25	8	0	0	0	---
Subtotal primary wood products	36	6	30	---	---	---	---
5540 primary wood prod.	36	6	30	---	---	---	---
Total food and farm products	1,355	51	1,198	1	105	105	0
Subtotal fish	9	2	7	---	---	---	---
6134 fish (not shellfish)	7	0	7	---	---	---	---
6136 shellfish	2	1	0	---	---	---	---
Subtotal grain	84	1	82	---	1	1	---
6241 wheat	34	---	33	---	0	0	---
6344 corn	41	0	40	---	1	1	---
6442 rice	1	1	0	---	---	---	---
6443 barley & rye	8	0	8	---	---	---	---
6445 oats	0	---	0	---	---	---	---
Subtotal oilseeds	7	0	7	---	---	---	---
6521 peanuts	0	---	0	---	---	---	---
6522 soybeans	7	0	7	---	---	---	---
6534 flaxseed	0	---	0	---	---	---	---
6590 oilseeds nec	0	0	0	---	---	---	---
Subtotal vegetable products	294	7	269	---	18	18	0
6653 vegetable oils	3	2	0	---	---	---	---
6654 vegetables & prod.	291	5	269	---	18	18	0
Subtotal processed grain and animal feed	739	9	698	---	33	33	0
6746 wheat flour	5	---	5	---	---	---	---
6747 grain mill products	31	0	31	---	---	---	---
6781 hay & fodder	652	2	618	---	33	33	0
6782 animal feed, prep.	51	7	45	---	---	---	---
Subtotal other agricultural products	221	32	136	1	53	53	---
6811 meat, fresh, frozen	10	0	10	---	---	---	---
6817 meat, prepared	16	---	16	---	---	---	---
6822 dairy products	41	---	29	---	12	12	---
6835 fish, prepared	3	1	1	---	---	---	---
6838 tallow, animal oils	0	0	0	---	---	---	---
6839 animals & prod. nec	17	0	17	---	---	---	---
6857 fruit & nuts nec	16	1	15	---	---	---	---
6858 fruit juices	10	4	7	---	---	---	---
6871 coffee	1	0	0	---	---	---	---
6885 alcoholic beverages	14	14	1	0	---	---	---
6887 groceries	39	---	---	---	39	39	---
6888 water & ice	6	6	---	0	---	---	---
6889 food products nec	23	3	18	---	2	2	---
6891 tobacco & products	0	0	---	---	---	---	---
6893 cotton	0	0	0	---	---	---	---
6894 natural fibers nec	1	0	1	---	---	---	---
6899 farm products nec	23	2	21	---	1	1	---
Total all manufactured equipment, machinery and products	740	466	66	0	208	193	14
7110 machinery (not elec)	20	9	11	0	---	---	---
7120 electrical machinery	21	18	3	---	---	---	---
7210 vehicles & parts	374	346	28	---	---	---	---
7220 aircraft & parts	0	0	0	---	---	---	---
7230 ships & boats	0	0	0	---	---	---	---
7400 manufac. wood prod.	11	4	7	---	---	---	---
7500 textile products	23	19	4	---	---	---	---
7600 rubber & plastic pr.	24	19	6	0	---	---	---
7800 empty containers	13	---	---	---	13	4	9
7900 manufac. prod. nec	254	52	7	---	195	189	5

OREGON SLOUGH (NORTH PORTLAND HARBOR), OR
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound*	Outbound*	Inbound*	Total	Internal	
					Inbound	Outbound	Upbound
Total unknown or not elsewhere classified	24	10	14	0	---	---	---
9900 unknown or nec	24	10	14	0	---	---	---

*Includes 3 (x1000) tons of foreign inbound in-transits; Includes 48 (x1000) tons of foreign outbound in-transits; Includes 0 (x1000) tons of Canadian inbound in-transits.

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
1992	6,839	1995	7,535	1998	7,849	2001	7,039
1993	7,380	1996	7,704	1999	7,825		
1994	6,281	1997	7,838	2000	7,653		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian
		Inbound*	Outbound*	Inbound
Total, all commodities	4,785	671	4,038	76
Total petroleum and petroleum products	25	13	---	12
Subtotal petroleum products	25	13	---	12
2211 gasoline	13	13	---	---
2330 distillate fuel oil	12	---	---	12
Total chemicals and related products	461	181	260	20
Subtotal fertilizers	80	75	5	---
3110 nitrogenous fert.	72	72	---	---
3130 potassic fert.	5	---	5	---
3190 fert. & mixes nec	3	3	---	---
Subtotal other chemicals and related products	382	106	255	20
3274 sodium hydroxide	102	102	---	---
3276 metallic salts	74	5	70	---
3286 plastics	0	0	---	---
3292 starches, gluten, glue	205	---	185	20
Total crude materials, inedible except fuels	387	99	288	---
Subtotal forest products, wood and chips	14	12	3	---
4170 wood in the rough	0	0	---	---
4189 lumber	14	11	3	---
Subtotal pulp and waste paper	84	22	63	---
4225 pulp & waste paper	84	22	63	---
Subtotal iron ore and scrap	38	---	38	---
4420 iron & steel scrap	38	---	38	---
Subtotal non-ferrous ores and scrap	86	65	20	---
4650 aluminum ore	65	65	---	---
4690 non-ferrous ores nec	20	---	20	---
Subtotal sulphur, clay and salt	164	---	164	---
4782 clay & refrac. mat.	164	---	164	---
Total primary manufactured goods	311	265	1	44
Subtotal paper products	0	---	0	---
5120 paper & paperboard	0	---	0	---
Subtotal lime, cement and glass	44	---	---	44
5220 cement & concrete	44	---	---	44
Subtotal primary iron and steel products	173	173	0	---
5315 ferro alloys	11	11	---	---
5320 i&s primary forms	1	1	---	---
5330 i&s plates & sheets	71	71	0	---
5360 i&s bars & shapes	35	35	0	---
5370 i&s pipe & tube	55	55	---	---
5390 primary i&s nec	1	1	---	---
Subtotal primary non-ferrous metal products	44	43	1	---
5422 aluminum	40	40	---	---
5429 smelted prod. nec	0	---	0	---
5480 fab. metal products	3	3	1	---
Subtotal primary wood products	49	49	0	---
5540 primary wood prod.	49	49	0	---

PORT OF VANCOUVER, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian
		Inbound*	Outbound*	Inbound
Total food and farm products	3,487	0	3,487	---
Subtotal grain	3,413	---	3,413	---
6241 wheat	3,378	---	3,378	---
6443 barley & rye	35	---	35	---
Subtotal oilseeds	61	---	61	---
6522 soybeans	50	---	50	---
6590 oilseeds nec	11	---	11	---
Subtotal processed grain and animal feed	13	0	13	---
6781 hay & fodder	0	0	---	---
6782 animal feed, prep.	13	---	13	---
Subtotal other agricultural products	1	0	1	---
6889 food products nec	0	0	---	---
6894 natural fibers nec	1	---	1	---
Total all manufactured equipment, machinery and products	113	112	1	0
7110 machinery (not elec)	9	8	1	---
7120 electrical machinery	6	6	---	---
7210 vehicles & parts	93	93	0	---
7230 ships & boats	0	0	0	---
7400 manufac. wood prod.	1	1	---	---
7500 textile products	1	0	1	---
7600 rubber & plastic pr.	3	3	---	0
7900 manufac. prod. nec	0	0	---	---
Total unknown or not elsewhere classified	1	1	0	---
9900 unknown or nec	1	1	0	---

Commodity	Total	Domestic				
		Coastwise		Internal		Intraport
		Receipts	Shipments	Receipts	Shipments	
Total, all commodities	2,254	193	24	1,256	771	10
Total petroleum and petroleum products	365	193	20	50	99	3
Subtotal petroleum products	365	193	20	50	99	3
2211 gasoline	66	44	---	4	19	---
2330 distillate fuel oil	172	149	10	---	13	---
2340 residual fuel oil	127	---	10	46	68	3
2350 lube oil & greases	0	---	---	0	0	---
Total chemicals and related products	23	---	4	8	8	3
Subtotal fertilizers	17	---	---	8	7	3
3110 nitrogenous fert.	17	---	---	8	7	3
Subtotal other chemicals and related products	6	---	4	---	2	---
3274 sodium hydroxide	6	---	4	---	2	---
Total crude materials, inedible except fuels	464	---	---	22	442	---
Subtotal forest products, wood and chips	19	---	---	8	11	---
4161 wood chips	2	---	---	2	---	---
4170 wood in the rough	17	---	---	6	11	---
Subtotal pulp and waste paper	13	---	---	13	---	---
4225 pulp & waste paper	13	---	---	13	---	---
Subtotal soil, sand, gravel, rock and stone	431	---	---	---	431	---
4331 sand & gravel	431	---	---	---	431	---
Subtotal iron ore and scrap	1	---	---	1	---	---
4420 iron & steel scrap	1	---	---	1	---	---
Total primary manufactured goods	4	---	---	---	0	4
Subtotal lime, cement and glass	4	---	---	---	---	4
5220 cement & concrete	4	---	---	---	---	4
Subtotal primary iron and steel products	0	---	---	---	0	---
5360 i&s bars & shapes	0	---	---	---	0	---
Total food and farm products	1,172	---	---	1,168	5	---
Subtotal grain	1,166	---	---	1,166	---	---
6241 wheat	1,159	---	---	1,159	---	---
6443 barley & rye	6	---	---	6	---	---
Subtotal oilseeds	3	---	---	---	3	---
6522 soybeans	3	---	---	---	3	---
Subtotal other agricultural products	4	---	---	2	2	---
6887 groceries	4	---	---	2	2	---
6889 food products nec	0	---	---	0	---	---
Total all manufactured equipment, machinery and products	9	---	---	9	0	---
7800 empty containers	0	---	---	0	0	---
7900 manufac. prod. nec	8	---	---	8	0	---
Total waste and scrap nec	217	---	---	---	217	---
8900 waste and scrap nec	217	---	---	---	217	---

*Includes 15 (x1000) tons of foreign inbound in-transits; Includes 0 (x1000) tons of foreign outbound in-transits.

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
1992	10,671	1995	11,626	1998	9,910	2001	9,793
1993	10,843	1996	10,733	1999	9,396		
1994	11,277	1997	10,923	2000	10,672		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through Upbound	Through Downbnd
Total, all commodities	51	31	1	3	17
Total chemicals and related products	20	—	—	3	17
Subtotal fertilizers	2	—	—	—	2
3110 nitrogenous fert.	2	—	—	—	2
Subtotal other chemicals and related products	18	—	—	3	15
3276 metallic salts	18	—	—	3	15
Total crude materials, inedible except fuels	31	31	—	—	—
Subtotal forest products, wood and chips	31	31	—	—	—
4161 wood chips	31	31	—	—	—
Total primary manufactured goods	1	—	1	—	—
Subtotal primary non-ferrous metal products	1	—	1	—	—
5480 fab. metal products	1	—	1	—	—
Ton-miles (x1000) Coastwise	2,068	408	1	228	1,431

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	9,741	417	28	2	358	2,344	6,462	42	90
Total petroleum and petroleum products	1,920	34	—	—	—	1,878	7	—	—
Subtotal petroleum products	1,920	34	—	—	—	1,878	7	—	—
2211 gasoline	1,083	—	—	—	—	1,076	7	—	—
2330 distillate fuel oil	39	—	—	—	—	39	—	—	—
2340 residual fuel oil	798	34	—	—	—	764	—	—	—
Total chemicals and related products	232	—	—	—	—	227	5	—	—
Subtotal fertilizers	68	—	—	—	—	63	5	—	—
3110 nitrogenous fert.	67	—	—	—	—	63	4	—	—
3190 fert. & mixes nec	1	—	—	—	—	—	1	—	—
Subtotal other chemicals and related products	164	—	—	—	—	164	0	—	—
3273 ammonia	157	—	—	—	—	157	—	—	—
3274 sodium hydroxide	7	—	—	—	—	7	—	—	—
3286 plastics	0	—	—	—	—	0	0	—	—
Total crude materials, inedible except fuels	2,038	381	28	2	287	9	1,199	42	90
Subtotal forest products, wood and chips	776	69	3	2	284	—	285	42	90
4161 wood chips	573	64	3	2	170	—	285	27	22
4170 wood in the rough	203	5	—	—	114	—	—	15	68
4189 lumber	0	—	—	—	0	—	—	—	—
Subtotal pulp and waste paper	13	—	—	—	—	—	13	—	—
4225 pulp & waste paper	13	—	—	—	—	—	13	—	—

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Internal							
		Inbound		Outbound		Through		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal soil, sand, gravel, rock and stone	1,200	312	24	---	3	9	851	---	---
4331 sand & gravel	1,200	312	24	---	3	9	851	---	---
Subtotal iron ore and scrap	48	---	---	---	---	---	48	---	---
4420 iron & steel scrap	48	---	---	---	---	---	48	---	---
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	18	---	---	---	2	---	16	---	---
Subtotal paper products	16	---	---	---	---	---	16	---	---
5190 paper products nec	16	---	---	---	---	---	16	---	---
Subtotal primary iron and steel products	2	---	---	---	2	---	---	---	---
5360 i&s bars & shapes	2	---	---	---	2	---	---	---	---
Subtotal primary non-ferrous metal products	0	---	---	---	---	---	0	---	---
5480 fab. metal products	0	---	---	---	---	---	0	---	---
Total food and farm products	5,103	---	---	---	68	0	5,034	---	---
Subtotal grain	4,990	---	---	---	68	---	4,921	---	---
6241 wheat	4,818	---	---	---	65	---	4,754	---	---
6344 corn	1	---	---	---	---	---	1	---	---
6443 barley & rye	171	---	---	---	4	---	167	---	---
Subtotal vegetable products	27	---	---	---	---	0	27	---	---
6654 vegetables & prod.	27	---	---	---	---	0	27	---	---
Subtotal processed grain and animal feed	33	---	---	---	---	0	33	---	---
6781 hay & fodder	33	---	---	---	---	0	33	---	---
Subtotal other agricultural products	54	---	---	---	---	---	54	---	---
6822 dairy products	12	---	---	---	---	---	12	---	---
6887 groceries	38	---	---	---	---	---	38	---	---
6889 food products nec	2	---	---	---	---	---	2	---	---
6899 farm products nec	1	---	---	---	---	---	1	---	---
Total all manufactured equipment, machinery and products	213	1	---	---	0	12	200	---	---
7800 empty containers	14	0	---	---	---	9	4	---	---
7900 manufac. prod. nec	200	1	---	---	0	3	196	---	---
Total waste and scrap nec	217	---	---	---	---	217	---	---	---
8900 waste and scrap nec	217	---	---	---	---	217	---	---	---
Ton-miles Internal (x1000)	784,060	5,201	1,506	8	25,644	199,205	549,247	140	3,108
Tons All Traffic (x1000)									9,793
Ton-miles All Traffic (x1000)									786,128

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
1992	7,580	1995	9,802	1998	9,166	2001	8,873
1993	8,469	1996	9,061	1999	8,700		
1994	9,246	1997	9,754	2000	9,776		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Domestic							
		Coastwise		Internal				Through	
		Through		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	8,873	3	17	505	17	2	1,637	1,840	4,853
Total petroleum and petroleum products	1,886	---	---	235	---	---	---	1,644	7
Subtotal petroleum products	1,886	---	---	235	---	---	---	1,644	7
2211 gasoline	1,083	---	---	---	---	---	---	1,076	7
2330 distillate fuel oil	39	---	---	9	---	---	---	30	---
2340 residual fuel oil	764	---	---	226	---	---	---	538	---
Total chemicals and related products	269	3	17	37	17	---	2	190	3
Subtotal fertilizers	87	---	2	26	17	---	2	37	3
3110 nitrogenous fert.	86	---	2	26	17	---	1	37	3
3190 fert. & mixes nec	1	---	---	---	---	---	1	---	---
Subtotal other chemicals and related products	182	3	15	11	---	---	---	153	0
3273 ammonia	157	---	---	11	---	---	---	146	---
3274 sodium hydroxide	7	---	---	---	---	---	---	7	---
3276 metallic salts	18	3	15	---	---	---	---	---	---
3286 plastics	0	---	---	---	---	---	---	0	0
Total crude materials, inedible except fuels	1,237	---	---	11	---	---	985	---	242
Subtotal forest products, wood and chips	290	---	---	2	---	---	109	---	179
4161 wood chips	290	---	---	2	---	---	109	---	179
Subtotal pulp and waste paper	13	---	---	---	---	---	---	---	13
4225 pulp & waste paper	13	---	---	---	---	---	---	---	13
Subtotal soil, sand, gravel, rock and stone	885	---	---	9	---	---	876	---	---
4331 sand & gravel	885	---	---	9	---	---	876	---	---
Subtotal iron ore and scrap	48	---	---	---	---	---	---	---	48
4420 iron & steel scrap	48	---	---	---	---	---	---	---	48
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	16	---	---	---	---	---	0	---	16
Subtotal paper products	16	---	---	---	---	---	0	---	16
5190 paper products nec	16	---	---	---	---	---	0	---	16

COLUMBIA RIVER ABOVE THE DALLES DAM, WA AND OR TO MCNARY LOCK AND DAM, OR AND WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Domestic							
		Coastwise		Internal				Through	
		Through		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal primary non-ferrous metal products	0	---	---	---	---	---	---	---	0
5480 fab. metal products	0	---	---	---	---	---	---	---	0
Total food and farm products	5,034	---	---	0	---	---	517	0	4,518
Subtotal grain	4,921	---	---	---	---	---	461	---	4,460
6241 wheat	4,754	---	---	---	---	---	447	---	4,307
6344 corn	1	---	---	---	---	---	---	---	1
6443 barley & rye	167	---	---	---	---	---	14	---	152
Subtotal vegetable products	27	---	---	0	---	---	5	---	22
6654 vegetables & prod.	27	---	---	0	---	---	5	---	22
Subtotal processed grain and animal feed	33	---	---	---	---	---	9	0	24
6781 hay & fodder	33	---	---	---	---	---	9	0	24
Subtotal other agricultural products	54	---	---	---	---	---	42	---	12
6822 dairy products	12	---	---	---	---	---	1	---	11
6887 groceries	38	---	---	---	---	---	38	---	---
6889 food products nec	2	---	---	---	---	---	2	---	---
6899 farm products nec	1	---	---	---	---	---	---	---	1
Total all manufactured equipment, machinery and products	214	---	---	6	---	2	133	6	67
7800 empty containers	13	---	---	6	---	---	3	4	1
7900 manufac. prod. nec	200	---	---	0	---	2	130	3	66
Total waste and scrap nec	217	---	---	217	---	---	---	---	---
8900 waste and scrap nec	217	---	---	217	---	---	---	---	---
Ton-miles (x1000)	770,993	263	1,650	44,217	0	0	68,987	180,301	475,575

Tons All Traffic (x1000) 8,873
Ton-miles All Traffic (x1000) 770,993

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	28,227	1995	31,256	1998	29,974	2001	31,339
1993	29,804	1996	29,734	1999	29,339		
1994	30,164	1997	29,561	2000	34,314		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound
Total, all commodities	17,012	3,510	12,824	639	39
Total petroleum and petroleum products	801	602	60	139	---
Subtotal crude petroleum	175	175	---	---	---
2100 crude petroleum	175	175	---	---	---
Subtotal petroleum products	626	427	60	139	---
2211 gasoline	351	331	---	20	---
2221 kerosene	17	17	---	---	---
2330 distillate fuel oil	115	60	---	56	---

PORT OF PORTLAND, OR
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound
2340 residual fuel oil	83	20	—	63	—
2350 lube oil & greases	1	0	1	—	—
2410 petro. jelly & waxes	0	0	—	—	—
2429 naphtha & solvents	1	—	1	—	—
2540 petroleum coke	59	—	59	—	—
2640 liquid natural gas	0	—	0	—	—
Total chemicals and related products	4,692	365	4,302	25	—
Subtotal fertilizers	1,755	151	1,604	—	—
3110 nitrogenous fert.	151	151	0	—	—
3130 potassic fert.	1,603	—	1,603	—	—
3190 fert. & mixes nec	1	0	0	—	—
Subtotal other chemicals and related products	2,937	214	2,699	25	—
3219 other hydrocarbons	0	0	0	—	—
3220 alcohols	60	59	1	—	—
3230 carboxylic acids	7	0	7	—	—
3240 nitrogen func. comp.	0	0	0	—	—
3250 organo - inorg. comp.	0	—	0	—	—
3260 organic comp. nec	4	1	3	—	—
3272 sulphuric acid	0	0	0	—	—
3273 ammonia	133	119	0	14	—
3274 sodium hydroxide	0	—	0	—	—
3275 inorg. elem.,oxides, & halogen salts	17	15	2	—	—
3276 metallic salts	2,413	2	2,406	5	—
3279 inorganic chem. nec	1	1	0	—	—
3282 pigments & paints	1	0	1	—	—
3283 coloring mat. nec	0	—	0	—	—
3284 medicines	1	0	1	—	—
3285 perfumes & cleansers	2	0	2	—	—
3286 plastics	28	12	16	0	—
3291 pesticides	0	0	0	—	—
3292 starches, gluten, glue	258	1	257	—	—
3293 explosives	0	0	—	—	—
3297 chemical additives	0	—	0	—	—
3298 wood & resin chem.	6	—	—	6	—
3299 chem. products nec	5	2	4	—	—
Total crude materials, inedible except fuels	1,321	326	503	453	39
Subtotal forest products, wood and chips	332	139	178	15	—
4110 rubber & gums	0	0	—	—	—
4150 fuel wood	0	—	0	—	—
4161 wood chips	15	—	—	15	—
4170 wood in the rough	68	44	24	—	—
4189 lumber	248	94	154	—	—
4190 forest products nec	0	0	0	—	—
Subtotal pulp and waste paper	150	1	149	—	—
4225 pulp & waste paper	150	1	149	—	—
Subtotal soil, sand, gravel, rock and stone	550	111	2	438	—
4310 building stone	4	4	—	0	—
4322 limestone	438	0	—	438	—
4323 gypsum	106	106	—	—	—
4331 sand & gravel	2	0	2	—	—
Subtotal iron ore and scrap	98	—	98	—	—
4420 iron & steel scrap	98	—	98	—	—
Subtotal non-ferrous ores and scrap	35	7	27	—	—
4630 copper ore	3	—	3	—	—
4650 aluminum ore	7	7	0	—	—
4680 non-ferrous scrap	16	—	16	—	—
4690 non-ferrous ores nec	8	0	8	—	—
Subtotal sulphur, clay and salt	38	0	38	—	—
4741 sulphur, (dry)	0	0	—	—	—
4782 clay & refrac. mat.	38	0	38	—	—
Subtotal other non-metal. min.	119	69	12	—	39
4900 non-metal. min. nec	119	69	12	—	39
Total primary manufactured goods	1,863	1,434	411	18	—
Subtotal paper products	247	10	237	0	—
5110 newsprint	11	—	11	—	—
5120 paper & paperboard	220	8	212	0	—
5190 paper products nec	16	1	15	—	—
Subtotal lime, cement and glass	682	619	45	18	—
5220 cement & concrete	618	600	—	18	—
5240 glass & glass prod.	4	3	1	0	—
5290 misc. mineral prod.	61	16	45	0	—
Subtotal primary iron and steel products	623	622	1	—	—
5312 pig iron	0	0	—	—	—
5315 ferro alloys	32	32	0	—	—
5320 i&s primary forms	506	506	0	—	—
5330 i&s plates & sheets	34	34	0	—	—
5360 i&s bars & shapes	6	6	0	—	—
5370 i&s pipe & tube	14	14	0	—	—
5390 primary i&s nec	31	31	0	—	—
Subtotal primary non-ferrous metal products	263	167	96	0	—
5421 copper	1	1	0	—	—
5422 aluminum	18	17	1	—	—
5429 smelted prod. nec	92	6	86	—	—

PORT OF PORTLAND, OR
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound
5480 fab. metal products	152	142	9	0	—
Subtotal primary wood products	48	17	31	—	—
5540 primary wood prod.	48	17	31	—	—
Total food and farm products	7,510	52	7,454	3	—
Subtotal fish	9	2	7	—	—
6134 fish (not shellfish)	7	0	7	—	—
6136 shellfish	2	1	0	—	—
Subtotal grain	6,194	1	6,193	—	—
6241 wheat	5,560	—	5,560	—	—
6344 corn	180	0	180	—	—
6442 rice	1	1	0	—	—
6443 barley & rye	453	0	453	—	—
6445 oats	0	0	0	—	—
Subtotal oilseeds	26	0	26	—	—
6521 peanuts	0	—	0	—	—
6522 soybeans	13	0	13	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	13	0	13	—	—
Subtotal vegetable products	296	8	288	—	—
6653 vegetable oils	3	2	0	—	—
6654 vegetables & prod.	293	5	288	—	—
Subtotal processed grain and animal feed	799	9	789	—	—
6746 wheat flour	6	—	6	—	—
6747 grain mill products	32	0	32	—	—
6781 hay & fodder	640	2	638	—	—
6782 animal feed, prep.	121	7	113	—	—
Subtotal other agricultural products	186	32	150	3	—
6811 meat, fresh, frozen	10	0	10	—	—
6817 meat, prepared	16	—	16	—	—
6822 dairy products	32	—	32	—	—
6835 fish, prepared	3	1	2	—	—
6838 tallow, animal oils	0	0	0	—	—
6839 animals & prod. nec	18	0	18	—	—
6856 bananas & plantains	0	0	—	—	—
6857 fruit & nuts nec	16	1	15	—	—
6858 fruit juices	10	4	7	—	—
6871 coffee	1	1	0	—	—
6885 alcoholic beverages	17	14	1	3	—
6888 water & ice	6	6	—	0	—
6889 food products nec	27	3	24	—	—
6891 tobacco & products	0	0	0	—	—
6893 cotton	0	0	0	—	—
6894 natural fibers nec	5	0	5	—	—
6899 farm products nec	23	2	21	—	—
Total all manufactured equipment, machinery and products	799	720	79	0	—
7110 machinery (not elec)	23	11	12	0	—
7120 electrical machinery	32	20	13	0	—
7210 vehicles & parts	619	590	29	—	—
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	0	0	0	—	—
7400 manufac. wood prod.	11	4	7	—	—
7500 textile products	24	20	5	—	—
7600 rubber & plastic pr.	27	21	6	0	—
7900 manufac. prod. nec	62	55	7	0	—
Total unknown or not elsewhere classified	26	11	14	0	—
9900 unknown or nec	26	11	14	0	—

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	14,328	5,295	317	5,514	2,306	896
Total petroleum and petroleum products	7,759	5,207	243	22	2,081	206
Subtotal petroleum products	7,759	5,207	243	22	2,081	206
2211 gasoline	4,478	3,321	41	14	1,067	36
2221 kerosene	15	15	—	—	—	—
2330 distillate fuel oil	1,281	1,140	67	8	42	25
2340 residual fuel oil	1,691	553	23	1	971	144
2350 lube oil & greases	156	154	—	—	1	1
2429 naphtha & solvents	51	24	27	—	—	—
2430 asphalt, tar & pitch	86	—	86	—	—	—
Total chemicals and related products	307	85	13	6	192	10
Subtotal fertilizers	100	73	—	6	22	—
3110 nitrogenous fert.	100	73	—	6	22	—
Subtotal other chemicals and related products	206	13	13	0	171	10
3220 alcohols	31	—	12	—	9	10

PORT OF PORTLAND, OR
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
3260 organic comp. nec	13	13	—	—	—	—
3273 ammonia	157	—	—	—	157	—
3274 sodium hydroxide	5	—	—	—	5	—
3286 plastics	1	—	1	0	0	—
Total crude materials, inedible except fuels	3,049	1	16	2,343	15	674
Subtotal forest products, wood and chips	21	1	16	4	—	—
4170 wood in the rough	6	—	2	4	—	—
4189 lumber	15	1	13	0	—	—
Subtotal soil, sand, gravel, rock and stone	2,980	—	—	2,291	15	674
4331 sand & gravel	2,980	—	—	2,291	15	674
Subtotal iron ore and scrap	47	—	—	47	—	—
4420 iron & steel scrap	47	—	—	47	—	—
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	39	1	22	16	—	—
Subtotal paper products	18	—	2	16	—	—
5190 paper products nec	18	—	2	16	—	—
Subtotal lime, cement and glass	2	—	2	—	—	—
5290 misc. mineral prod.	2	—	2	—	—	—
Subtotal primary iron and steel products	13	—	12	0	—	—
5360 i&s bars & shapes	12	—	12	0	—	—
5370 i&s pipe & tube	0	—	0	—	—	—
Subtotal primary non-ferrous metal products	0	—	0	0	—	—
5480 fab. metal products	0	—	0	0	—	—
Subtotal primary wood products	6	1	6	—	—	—
5540 primary wood prod.	6	1	6	—	—	—
Total food and farm products	2,965	—	23	2,933	4	6
Subtotal grain	2,851	—	22	2,820	4	5
6241 wheat	2,750	—	22	2,721	4	3
6344 corn	1	—	—	1	—	—
6443 barley & rye	101	—	—	98	—	2
Subtotal vegetable products	27	—	—	27	0	—
6654 vegetables & prod.	27	—	—	27	0	—
Subtotal processed grain and animal feed	33	—	—	33	0	—
6781 hay & fodder	33	—	—	33	0	—
Subtotal other agricultural products	54	—	0	53	—	1
6822 dairy products	12	—	—	12	—	—
6858 fruit juices	0	—	0	—	—	—
6887 groceries	39	—	—	39	—	—
6888 water & ice	1	—	—	—	—	1
6889 food products nec	2	—	—	2	—	—
6899 farm products nec	1	—	—	1	—	—
Total all manufactured equipment, machinery and products	210	1	0	193	15	—
7110 machinery (not elec)	0	—	0	—	—	—
7210 vehicles & parts	0	—	0	—	—	—
7230 ships & boats	0	—	0	—	—	—
7800 empty containers	13	—	—	4	9	—
7900 manufac. prod. nec	196	1	0	189	5	—

*Includes 58 (x1000) tons of foreign inbound in-transits; Includes 189 (x1000) tons of foreign outbound in-transits; Includes 0 (x1000) tons of Canadian inbound in-transits.

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
1992	1,448	1995	1,486	1998	1,055	2001	1,601
1993	1,375	1996	1,360	1999	748		
1994	1,481	1997	1,353	2000	872		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Internal			
		Inbound	Outbound	Intra	
		Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	1,601	678	696	65	161
Total chemicals and related products	9	9	---	---	---
Subtotal other chemicals and related products	9	9	---	---	---
3220 alcohols	9	9	---	---	---
Total crude materials, inedible except fuels	1,592	670	696	65	161
Subtotal forest products, wood and chips	13	---	13	---	---
4161 wood chips	13	---	13	---	---
Subtotal soil, sand, gravel, rock and stone	1,579	670	683	65	161
4331 sand & gravel	1,579	670	683	65	161
Ton-miles (x1000)	2,560	51	77	322	2,111

Tons All Traffic (x1000) **1,601**
 Ton-miles All Traffic (x1000) **2,560**

COOS BAY, OR

Section Included: From sea to Millington, a distance of 17 miles. (Same section and statistics apply to Port of Coos Bay). Maintained Depth: 47 feet in entrance channel: 37 feet in inner channel to mile 15; 22 feet in Isthmus Slough to Millington. Turning basins of 37 feet deep opposite Coalbank Slough and at the city of North Bend. Anchorage basins 37 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, maintained by local interest, to deep water in Coos Bay.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	4,458	1995	3,628	1998	2,773	2001	1,704
1993	5,413	1996	3,322	1999	2,631		
1994	3,744	1997	3,164	2000	2,210		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic		
		Inbound	Outbound	Inbound	Total	Coastwise	
					Receipts	Shipments	
Total, all commodities	1,704	1	1,285	70	348	128	220
Total crude materials, inedible except fuels	1,691	1	1,284	70	336	128	209
Subtotal forest products, wood and chips	1,691	1	1,284	70	336	128	209
4161 wood chips	1,238	---	1,142	---	95	---	95
4170 wood in the rough	321	1	123	70	128	128	0
4189 lumber	132	---	19	---	113	---	113
Total primary manufactured goods	13	---	1	---	12	---	12
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	---	---	---	---
Subtotal primary wood products	12	---	1	---	12	---	12
5540 primary wood prod.	12	---	1	---	12	---	12
Total all manufactured equipment, machinery and products	1	---	1	---	---	---	---
7400 manufac. wood prod.	0	---	0	---	---	---	---
7500 textile products	0	---	0	---	---	---	---
7600 rubber & plastic pr.	1	---	1	---	---	---	---
Total unknown or not elsewhere classified	0	---	0	---	---	---	---
9900 unknown or nec	0	---	0	---	---	---	---

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
1992	53,427	1995	60,092	1998	50,435	2001	51,410
1993	53,558	1996	54,023	1999	51,766		
1994	52,607	1997	54,257	2000	56,159		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound
Total, all commodities	31,222	5,072	25,260	758	132
Total coal	18	18	—	—	—
1100 coal lignite	18	18	—	—	—
Total petroleum and petroleum products	1,678	663	777	151	87
Subtotal crude petroleum	175	175	—	—	—
2100 crude petroleum	175	175	—	—	—
Subtotal petroleum products	1,503	488	777	151	87
2211 gasoline	407	387	—	20	—
2221 kerosene	17	17	—	—	—
2330 distillate fuel oil	127	60	—	67	—
2340 residual fuel oil	83	20	—	63	—
2350 lube oil & greases	1	0	1	—	—
2410 petro. jelly & waxes	0	0	—	—	—
2429 naphtha & solvents	1	—	1	—	—
2430 asphalt, tar & pitch	5	5	—	—	—
2540 petroleum coke	863	—	776	—	87
2640 liquid natural gas	0	—	0	—	—
Total chemicals and related products	5,391	647	4,699	45	—
Subtotal fertilizers	1,901	233	1,668	—	—
3110 nitrogenous fert.	230	230	0	—	—
3130 potassic fert.	1,667	—	1,667	—	—
3190 fert. & mixes nec	4	3	0	—	—
Subtotal other chemicals and related products	3,491	414	3,031	45	—
3212 benzene & toluene	65	65	—	—	—
3219 other hydrocarbons	0	0	0	—	—
3220 alcohols	65	64	1	—	—
3230 carboxylic acids	7	0	7	—	—
3240 nitrogen func. comp.	0	0	0	—	—
3250 organo - inorg. comp.	0	—	0	—	—
3260 organic comp. nec	4	1	3	—	—
3272 sulphuric acid	0	0	0	—	—
3273 ammonia	133	119	0	14	—
3274 sodium hydroxide	126	126	0	—	—
3275 inorg. elem., oxides, & halogen salts	17	15	2	—	—
3276 metallic salts	2,530	7	2,518	5	—
3279 inorganic chem. nec	1	1	0	—	—
3282 pigments & paints	1	0	1	—	—
3283 coloring mat. nec	0	—	0	—	—
3284 medicines	1	0	1	—	—
3285 perfumes & cleansers	2	0	2	—	—
3286 plastics	28	12	16	0	—
3291 pesticides	0	0	0	—	—
3292 starches, gluten, glue	499	1	478	20	—
3293 explosives	0	0	—	—	—
3297 chemical additives	0	—	0	—	—
3298 wood & resin chem.	6	—	—	6	—
3299 chem. products nec	5	2	4	—	—
Total crude materials, inedible except fuels	3,690	726	2,429	490	44
Subtotal forest products, wood and chips	1,985	150	1,776	52	6
4110 rubber & gums	0	0	—	—	—
4150 fuel wood	8	—	0	8	—
4161 wood chips	41	—	—	35	6
4170 wood in the rough	1,644	45	1,590	10	—
4189 lumber	291	105	186	0	—
4190 forest products nec	0	0	0	—	—
Subtotal pulp and waste paper	243	23	220	—	—
4225 pulp & waste paper	243	23	220	—	—
Subtotal soil, sand, gravel, rock and stone	753	314	2	438	—
4310 building stone	4	4	—	0	—
4322 limestone	438	0	—	438	—
4323 gypsum	309	309	—	—	—
4331 sand & gravel	2	0	2	—	—
Subtotal iron ore and scrap	136	—	136	—	—
4420 iron & steel scrap	136	—	136	—	—
Subtotal non-ferrous ores and scrap	212	164	48	—	—
4630 copper ore	3	—	3	—	—
4650 aluminum ore	164	164	0	—	—
4680 non-ferrous scrap	16	—	16	—	—
4690 non-ferrous ores nec	29	0	28	—	—
Subtotal sulphur, clay and salt	230	0	229	—	—
4741 sulphur, (dry)	0	0	—	—	—

COLUMBIA RIVER SYSTEM
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound
4782 clay & refrac. mat.	230	0	229	—	—
Subtotal other non-metal. min.	132	76	18	—	39
4900 non-metal. min. nec	132	76	18	—	39
Total primary manufactured goods	2,928	2,120	739	69	—
Subtotal paper products	568	11	557	0	—
5110 newsprint	329	—	329	—	—
5120 paper & paperboard	223	10	213	0	—
5190 paper products nec	16	1	15	—	—
Subtotal lime, cement and glass	732	619	45	68	—
5220 cement & concrete	668	600	—	68	—
5240 glass & glass prod.	4	3	1	0	—
5290 misc. mineral prod.	61	16	45	0	—
Subtotal primary iron and steel products	1,210	1,208	1	—	—
5312 pig iron	0	0	—	—	—
5315 ferro alloys	43	43	0	—	—
5320 i&s primary forms	507	507	0	—	—
5330 i&s plates & sheets	512	512	1	—	—
5360 i&s bars & shapes	43	43	0	—	—
5370 i&s pipe & tube	73	73	0	—	—
5390 primary i&s nec	32	31	0	—	—
Subtotal primary non-ferrous metal products	313	216	97	0	—
5421 copper	1	1	0	—	—
5422 aluminum	60	60	1	—	—
5429 smelted prod. nec	92	6	86	—	—
5480 fab. metal products	159	149	10	0	—
Subtotal primary wood products	104	66	38	—	—
5540 primary wood prod.	104	66	38	—	—
Total food and farm products	16,576	53	16,520	3	—
Subtotal fish	9	2	7	—	—
6134 fish (not shellfish)	7	0	7	—	—
6136 shellfish	2	1	0	—	—
Subtotal grain	13,195	1	13,194	—	—
6241 wheat	10,652	—	10,652	—	—
6344 corn	1,822	0	1,822	—	—
6442 rice	1	1	0	—	—
6443 barley & rye	711	0	711	—	—
6445 oats	0	0	0	—	—
6447 sorghum grains	8	—	8	—	—
Subtotal oilseeds	1,739	0	1,739	—	—
6521 peanuts	0	—	0	—	—
6522 soybeans	1,435	0	1,435	—	—
6534 flaxseed	0	—	0	—	—
6590 oilseeds nec	304	0	304	—	—
Subtotal vegetable products	296	8	288	—	—
6653 vegetable oils	3	2	0	—	—
6654 vegetables & prod.	293	5	288	—	—
Subtotal processed grain and animal feed	1,150	9	1,141	—	—
6746 wheat flour	6	—	6	—	—
6747 grain mill products	36	0	36	—	—
6781 hay & fodder	640	2	638	—	—
6782 animal feed, prep.	469	7	461	—	—
Subtotal other agricultural products	187	32	151	3	—
6811 meat, fresh, frozen	10	0	10	—	—
6817 meat, prepared	16	—	16	—	—
6822 dairy products	32	—	32	—	—
6835 fish, prepared	3	1	2	—	—
6838 tallow, animal oils	0	0	0	—	—
6839 animals & prod. nec	18	0	18	—	—
6856 bananas & plantains	0	0	—	—	—
6857 fruit & nuts nec	16	1	15	—	—
6858 fruit juices	10	4	7	—	—
6871 coffee	1	1	0	—	—
6885 alcoholic beverages	17	14	1	3	—
6888 water & ice	6	6	—	0	—
6889 food products nec	27	3	24	—	—
6891 tobacco & products	0	0	0	—	—
6893 cotton	0	0	0	—	—
6894 natural fibers nec	6	0	6	—	—
6899 farm products nec	23	2	21	—	—
Total all manufactured equipment, machinery and products	914	833	81	0	—
7110 machinery (not elec)	33	20	13	0	—
7120 electrical machinery	38	26	13	0	—
7210 vehicles & parts	712	683	29	—	—
7220 aircraft & parts	0	0	0	—	—
7230 ships & boats	0	0	0	—	—
7400 manufac. wood prod.	12	5	8	—	—
7500 textile products	25	20	6	—	—
7600 rubber & plastic pr.	30	24	6	0	—
7900 manufac. prod. nec	63	56	7	0	—

COLUMBIA RIVER SYSTEM
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound
Total unknown or not elsewhere classified	27	12	15	0	—
9900 unknown or nec	27	12	15	0	—
Ton-miles (x1000) Foreign & Canadian	1,282,710	150,029	1,109,253	17,123	6,305

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Intra	
				Upbound	Downbnd
Total, all commodities	20,188	6,156	610	9,331	4,091
Total petroleum and petroleum products	8,062	5,400	263	2,261	137
Subtotal petroleum products	8,062	5,400	263	2,261	137
2211 gasoline	4,536	3,365	41	1,130	—
2221 kerosene	15	15	—	—	—
2330 distillate fuel oil	1,445	1,289	77	73	7
2340 residual fuel oil	1,772	553	32	1,056	130
2350 lube oil & greases	157	154	—	2	0
2429 naphtha & solvents	51	24	27	—	—
2430 asphalt, tar & pitch	86	—	86	—	—
Total chemicals and related products	467	138	39	259	30
Subtotal fertilizers	183	73	7	77	27
3110 nitrogenous fert.	182	73	6	77	26
3190 fert. & mixes nec	2	—	1	—	1
Subtotal other chemicals and related products	283	65	32	183	3
3212 benzene & toluene	22	22	—	—	—
3220 alcohols	31	—	12	19	—
3260 organic comp. nec	13	13	—	—	—
3273 ammonia	158	—	—	157	2
3274 sodium hydroxide	41	27	4	7	2
3276 metallic salts	18	3	15	—	—
3286 plastics	1	—	1	0	—
Total crude materials, inedible except fuels	5,966	616	228	3,415	1,707
Subtotal forest products, wood and chips	1,889	616	214	354	705
4161 wood chips	1,157	523	3	143	488
4170 wood in the rough	521	92	2	210	216
4189 lumber	211	1	209	0	—
Subtotal pulp and waste paper	13	—	—	—	13
4225 pulp & waste paper	13	—	—	—	13
Subtotal soil, sand, gravel, rock and stone	4,015	—	14	3,014	988
4331 sand & gravel	4,015	—	14	3,014	988
Subtotal iron ore and scrap	48	—	—	47	1
4420 iron & steel scrap	48	—	—	47	1
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	73	1	51	20	2
Subtotal paper products	42	—	26	16	—
5190 paper products nec	42	—	26	16	—
Subtotal lime, cement and glass	7	—	3	4	—
5220 cement & concrete	4	—	—	4	—
5290 misc. mineral prod.	3	—	3	—	—
Subtotal primary iron and steel products	14	—	12	0	2
5360 i&s bars & shapes	14	—	12	0	2
5370 i&s pipe & tube	0	—	0	—	—
Subtotal primary non-ferrous metal products	1	—	1	0	—
5480 fab. metal products	1	—	1	0	—
Subtotal primary wood products	10	1	9	—	—
5540 primary wood prod.	10	1	9	—	—
Total food and farm products	5,179	—	24	2,948	2,208
Subtotal grain	5,061	—	23	2,834	2,203
6241 wheat	4,886	—	22	2,733	2,131
6344 corn	1	—	—	1	—
6442 rice	1	—	1	—	—
6443 barley & rye	173	—	—	101	72
Subtotal oilseeds	3	—	—	—	3
6522 soybeans	3	—	—	—	3
Subtotal vegetable products	27	—	—	27	—
6654 vegetables & prod.	27	—	—	27	—
Subtotal processed grain and animal feed	33	—	—	33	—
6781 hay & fodder	33	—	—	33	—
Subtotal other agricultural products	56	—	0	54	2
6822 dairy products	12	—	—	12	—
6858 fruit juices	0	—	0	—	—
6887 groceries	40	—	—	39	2

COLUMBIA RIVER SYSTEM
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Intra	
				Upbound	Downbnd
6888 water & ice	1	—	—	1	—
6889 food products nec	2	—	—	2	0
6899 farm products nec	1	—	—	1	—
Total all manufactured equipment, machinery and products	224	1	5	210	7
7110 machinery (not elec)	0	—	0	—	—
7210 vehicles & parts	2	—	2	—	—
7230 ships & boats	0	—	0	—	—
7400 manufac. wood prod.	3	—	3	—	—
7800 empty containers	14	—	—	13	0
7900 manufac. prod. nec	205	1	0	197	7
Total waste and scrap nec	217	—	—	217	—
8900 waste and scrap nec	217	—	—	217	—
Ton-miles (x1000) Domestic	656,518	90,729	21,474	337,915	206,400
Tons All Traffic (x1000)	51,410				
Ton-miles All Traffic (x1000)	1,939,228				

*Includes 77 (x1000) tons of foreign inbound in-transits; Includes 236 (x1000) tons of foreign outbound in-transits;
Includes 0 (x1000) tons of Canadian inbound in-transits.

Other Harbors and Waterways 2001

Harbor or Waterway Project	Commodity	Thousand Short Tons
ALSEA BAY AND RIVER, OR	No Commerce Reported	
CHETCO RIVER, OR	No Commerce Reported	
CHINOOK CHANNEL, WA	No Commerce Reported	
CLATSKANIE RIVER, OR	No Commerce Reported	
COLUMBIA RIVER AT BAKERS BAY, WA	No Commerce Reported	
COLUMBIA SLOUGH, OR	No Commerce Reported	
COOS AND MILLICOMA RIVERS, OR	No Commerce Reported	
COQUILLE RIVER, OR	4161 wood chips	6
	Total Tons(x1000)	6
	Total Ton-miles(x1000)	84
COWLITZ RIVER, WA	No Commerce Reported	
DEEP RIVER, WA	No Commerce Reported	
DEPOE BAY, OR	No Commerce Reported	
ELOKOMIN SLOUGH, WA	No Commerce Reported	
GRAYS RIVER, WA	No Commerce Reported	
LAKE RIVER, WA	No Commerce Reported	
LEWIS RIVER, WA	No Commerce Reported	
PORT OF ASTORIA, OR	2211 gasoline	44
	2330 distillate fuel oil	4
	2340 residual fuel oil	0
	2350 lube oil & greases	0
	3220 alcohols	5
	4161 wood chips	1
	4189 lumber	7
	5330 i&s plates & sheets	17
	7110 machinery (not elec)	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	78
PORT OF ST. HELENS, OR	No Commerce Reported	
PORT ORFORD, OR	No Commerce Reported	
ROGUE RIVER, OR	9900 unknown or nec	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0
SIUSLAW RIVER, OR	4170 wood in the rough	19
	Total Tons(x1000)	19
	Total Ton-miles(x1000)	297
SKAMOKAWA (STEAMBOAT) SLOUGH, WA	2330 distillate fuel oil	0
	Total Tons(x1000)	0
	Total Ton-miles(x1000)	0

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SKAMOKAWA CREEK, WA	No Commerce Reported	
SKIPANON CHANNEL, OR	4161 wood chips	75
	4170 wood in the rough	32
	Total Tons(x1000)	108
	Total Ton-miles(x1000)	108
SMITH RIVER, OR	No Commerce Reported	
TILLAMOOK BAY AND BAR, OR	4331 sand & gravel	14
	Total Tons(x1000)	14
UMPQUA RIVER, OR	4331 sand & gravel	66
	Total Tons(x1000)	66
	Total Ton-miles(x1000)	1,508
WESTPORT SLOUGH, OR	No Commerce Reported	
YAQUINA BAY AND HARBOR, OR	No Commerce Reported	
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 mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	6,953	1995	1,566	1998	1,488	2001	1,326
1993	4,383	1996	1,990	1999	1,406		
1994	1,654	1997	1,486	2000	1,251		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic
		Inbound	Outbound	Inbound	Outbound	Coastwise Shipments
Total, all commodities	1,326	54	401	299	24	549
Total chemicals and related products	3	---	---	---	---	3
Subtotal other chemicals and related products	3	---	---	---	---	3
3274 sodium hydroxide	3	---	---	---	---	3
Total crude materials, inedible except fuels	1,274	6	401	299	24	546
Subtotal forest products, wood and chips	1,256	---	394	292	24	546
4150 fuel wood	5	---	---	5	---	---
4161 wood chips	305	---	---	29	---	277
4170 wood in the rough	789	---	375	235	24	156
4189 lumber	158	---	20	24	---	114
Subtotal pulp and waste paper	12	6	6	---	---	---
4225 pulp & waste paper	12	6	6	---	---	---
Subtotal soil, sand, gravel, rock and stone	7	---	---	7	---	---
4322 limestone	7	---	---	7	---	---
Total primary manufactured goods	49	49	---	---	---	---
Subtotal paper products	10	10	---	---	---	---
5120 paper & paperboard	10	10	---	---	---	---
Subtotal primary non-ferrous metal products	38	38	---	---	---	---
5422 aluminum	35	35	---	---	---	---
5480 fab. metal products	3	3	---	---	---	---
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	---	---	---
7110 machinery (not elec)	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
1992	2,336	1995	1,911	1998	2,417	2001	2,154
1993	1,987	1996	2,780	1999	2,237		
1994	1,695	1997	2,377	2000	1,872		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound	Inbound	Outbound
Total, all commodities	411	102	143	153	13
Total petroleum and petroleum products	129	98	11	12	7
Subtotal crude petroleum	98	98	---	---	---
2100 crude petroleum	98	98	---	---	---
Subtotal petroleum products	31	---	11	12	7
2340 residual fuel oil	31	---	11	12	7
Total chemicals and related products	0	0	---	---	---
Subtotal other chemicals and related products	0	0	---	---	---
3250 organo - inorg. comp.	0	0	---	---	---
3275 inorg. elem., oxides, & halogen salts	0	0	---	---	---
Total crude materials, inedible except fuels	271	0	125	140	6
Subtotal forest products, wood and chips	206	0	125	75	6
4150 fuel wood	2	---	---	2	---
4161 wood chips	176	---	125	49	2

PORT ANGELES HARBOR, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound	Inbound	Outbound
4170 wood in the rough	15	0	—	11	4
4189 lumber	13	0	—	13	—
Subtotal soil, sand, gravel, rock and stone	19	—	—	19	—
4331 sand & gravel	19	—	—	19	—
Subtotal other non-metal. min.	46	—	—	46	—
4900 non-metal. min. nec	46	—	—	46	—
Total primary manufactured goods	2	1	—	1	—
Subtotal paper products	1	—	—	1	—
5120 paper & paperboard	1	—	—	1	—
Subtotal primary iron and steel products	0	0	—	—	—
5370 i&s pipe & tube	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	1	1	—	—	—
5540 primary wood prod.	1	1	—	—	—
Total food and farm products	9	3	6	—	—
Subtotal fish	7	0	6	—	—
6134 fish (not shellfish)	7	0	6	—	—
6136 shellfish	0	0	—	—	—
Subtotal oilseeds	0	0	—	—	—
6590 oilseeds nec	0	0	—	—	—
Subtotal vegetable products	0	0	—	—	—
6654 vegetables & prod.	0	0	—	—	—
Subtotal processed grain and animal feed	1	1	—	—	—
6782 animal feed, prep.	1	1	—	—	—
Subtotal other agricultural products	2	2	—	—	—
6811 meat, fresh, frozen	0	0	—	—	—
6839 animals & prod. nec	0	0	—	—	—
6856 bananas & plantains	0	0	—	—	—
6858 fruit juices	0	0	—	—	—
6871 coffee	1	1	—	—	—
6885 alcoholic beverages	0	0	—	—	—
6889 food products nec	0	0	—	—	—
Total all manufactured equipment, machinery and products	0	0	—	—	0
7110 machinery (not elec)	0	0	—	—	—
7210 vehicles & parts	0	0	—	—	—
7220 aircraft & parts	0	0	—	—	—
7230 ships & boats	0	—	—	—	0
7400 manufac. wood prod.	0	0	—	—	—
7900 manufac. prod. nec	0	0	—	—	—
Total unknown or not elsewhere classified	0	0	—	—	—
9900 unknown or nec	0	0	—	—	—

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	1,743	505	395	300	358	186
Total petroleum and petroleum products	1,096	505	145	253	7	186
Subtotal crude petroleum	503	503	—	—	—	—
2100 crude petroleum	503	503	—	—	—	—
Subtotal petroleum products	593	2	145	253	7	186
2211 gasoline	83	—	83	—	—	—
2330 distillate fuel oil	27	2	4	21	—	0
2340 residual fuel oil	483	—	58	232	7	186
2350 lube oil & greases	0	—	—	0	—	0
Total crude materials, inedible except fuels	647	—	250	46	351	—
Subtotal forest products, wood and chips	647	—	250	46	351	—
4161 wood chips	79	—	70	—	9	—
4170 wood in the rough	568	—	180	46	342	—
Total primary manufactured goods	0	—	—	0	—	—
Subtotal primary non-ferrous metal products	0	—	—	0	—	—
5480 fab. metal products	0	—	—	0	—	—

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

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
1992	312	1995	872	1998	635	2001	554
1993	384	1996	1,037	1999	543		
1994	500	1997	633	2000	514		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Internal	
		Inbound Upbound	Outbound Downbnd
Total, all commodities	554	284	270
Total crude materials, inedible except fuels	554	284	270
Subtotal forest products, wood and chips	554	284	270
4161 wood chips	172	—	172
4170 wood in the rough	382	284	98
Ton-miles (x1000)	5,543	2,843	2,700
Tons All Traffic (x1000)	554		
Ton-miles All Traffic (x1000)	5,543		

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
1992	714	1995	2,166	1998	1,423	2001	1,326
1993	924	1996	1,893	1999	1,313		
1994	1,514	1997	1,997	2000	1,434		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Inbound	Outbound	Inbound	Total	Internal		
					Receipts	Shipments	Intraport	
Total, all commodities	1,326	1	56	43	1,226	470	347	409
Total petroleum and petroleum products	0	—	—	—	0	0	—	—
Subtotal petroleum products	0	—	—	—	0	0	—	—
2340 residual fuel oil	0	—	—	—	0	0	—	—
Total chemicals and related products	0	—	0	—	—	—	—	—
Subtotal other chemicals and related products	0	—	0	—	—	—	—	—
3240 nitrogen func. comp.	0	—	0	—	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	—	0	—	—	—	—	—
3276 metallic salts	0	—	0	—	—	—	—	—
3282 pigments & paints	0	—	0	—	—	—	—	—
3285 perfumes & cleansers	0	—	0	—	—	—	—	—
3286 plastics	0	—	0	—	—	—	—	—
3292 starches, gluten, glue	0	—	0	—	—	—	—	—
3299 chem. products nec	0	—	0	—	—	—	—	—
Total crude materials, inedible except fuels	1,317	1	52	38	1,226	470	347	409
Subtotal forest products, wood and chips	1,317	1	52	38	1,226	470	347	409
4161 wood chips	90	—	—	—	90	—	90	—
4170 wood in the rough	1,212	1	51	24	1,136	470	256	409
4189 lumber	15	—	1	14	—	—	—	—
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	—	—	—	—	—
Total primary manufactured goods	5	—	0	5	—	—	—	—
Subtotal paper products	0	—	0	—	—	—	—	—
5120 paper & paperboard	0	—	0	—	—	—	—	—

OLYMPIA HARBOR, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Inbound	Outbound	Inbound	Total	Internal		
						Receipts	Shipments	Intraport
Subtotal lime, cement and glass	5	---	0	5	---	---	---	---
5220 cement & concrete	5	---	---	5	---	---	---	---
5290 misc. mineral prod.	0	---	0	---	---	---	---	---
Subtotal primary non-ferrous metal products	0	---	0	---	---	---	---	---
5421 copper	0	---	0	---	---	---	---	---
Total food and farm products	3	---	3	---	---	---	---	---
Subtotal vegetable products	0	---	0	---	---	---	---	---
6654 vegetables & prod.	0	---	0	---	---	---	---	---
Subtotal processed grain and animal feed	3	---	3	---	---	---	---	---
6781 hay & fodder	2	---	2	---	---	---	---	---
6782 animal feed, prep.	0	---	0	---	---	---	---	---
Subtotal other agricultural products	1	---	1	---	---	---	---	---
6811 meat, fresh, frozen	0	---	0	---	---	---	---	---
6857 fruit & nuts nec	1	---	1	---	---	---	---	---
6889 food products nec	0	---	0	---	---	---	---	---
Total all manufactured equipment, machinery and products	0	---	0	---	---	---	---	---
7110 machinery (not elec)	0	---	0	---	---	---	---	---
7120 electrical machinery	0	---	0	---	---	---	---	---
7900 manufac. prod. nec	0	---	0	---	---	---	---	---
Total unknown or not elsewhere classified	0	---	0	---	---	---	---	---
9900 unknown or nec	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 mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	20,116	1995	20,879	1998	17,400	2001	20,523
1993	18,652	1996	21,491	1999	21,103		
1994	17,616	1997	20,683	2000	22,287		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound
Total, all commodities	12,376	3,179	8,023	814	360
Total coal	73	0	0	73	---
1100 coal lignite	73	---	0	73	---
1200 coal coke	0	0	---	---	---
Total petroleum and petroleum products	298	49	46	86	117
Subtotal crude petroleum	59	49	---	10	---
2100 crude petroleum	59	49	---	10	---
Subtotal petroleum products	239	1	46	76	117
2211 gasoline	38	0	0	38	---
2221 kerosene	0	---	0	---	---
2330 distillate fuel oil	9	---	0	3	6
2340 residual fuel oil	156	---	38	31	87
2350 lube oil & greases	11	0	4	---	7
2410 petro. jelly & waxes	2	0	1	---	---
2429 naphtha & solvents	16	---	2	3	10
2540 petroleum coke	7	0	0	---	7
2640 liquid natural gas	0	0	0	---	---
Total chemicals and related products	545	156	186	0	203
Subtotal fertilizers	1	0	1	---	---
3110 nitrogenous fert.	0	0	0	---	---
3120 phosphatic fert.	0	---	0	---	---
3130 potassic fert.	0	---	0	---	---
3190 fert. & mixes nec	1	0	1	---	---
Subtotal other chemicals and related products	544	156	185	0	203
3211 acyclic hydrocarbons	0	0	0	---	---
3212 benzene & toluene	6	6	0	---	---

TACOMA HARBOR, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound
3219 other hydrocarbons	1	0	1	0	—
3220 alcohols	28	17	11	—	—
3230 carboxylic acids	18	5	13	—	—
3240 nitrogen func. comp.	14	6	7	0	—
3250 organo - inorg. comp.	3	2	1	—	—
3260 organic comp. nec	3	1	3	—	—
3272 sulphuric acid	1	1	0	—	—
3273 ammonia	0	—	0	—	—
3274 sodium hydroxide	78	26	0	—	52
3275 inorg. elem., oxides, & halogen salts	16	4	12	0	—
3276 metallic salts	67	3	6	—	58
3279 inorganic chem. nec	4	2	1	—	—
3281 radioactive material	0	0	0	—	—
3282 pigments & paints	5	2	3	—	—
3283 coloring mat. nec	2	2	0	—	—
3284 medicines	19	6	13	—	—
3285 perfumes & cleansers	15	3	12	—	—
3286 plastics	119	50	70	0	—
3291 pesticides	1	0	0	—	—
3292 starches, gluten, glue	12	7	5	—	—
3293 explosives	6	6	0	—	—
3297 chemical additives	1	0	1	—	—
3298 wood & resin chem.	4	4	0	—	—
3299 chem. products nec	122	4	25	0	94
Total crude materials, inedible except fuels	2,575	502	1,550	489	35
Subtotal forest products, wood and chips	1,230	17	958	249	6
4110 rubber & gums	10	10	0	—	—
4150 fuel wood	0	0	0	—	—
4161 wood chips	259	0	247	12	—
4170 wood in the rough	776	1	537	231	6
4189 lumber	182	4	172	6	—
4190 forest products nec	4	2	2	—	—
Subtotal pulp and waste paper	373	0	369	4	—
4225 pulp & waste paper	373	0	369	4	—
Subtotal soil, sand, gravel, rock and stone	512	286	2	225	—
4310 building stone	1	1	0	—	—
4322 limestone	195	—	0	195	—
4323 gypsum	286	285	1	—	—
4331 sand & gravel	31	0	1	30	—
Subtotal iron ore and scrap	219	39	180	—	—
4420 iron & steel scrap	219	39	180	—	—
Subtotal marine shells	0	0	—	—	—
4515 marine shells	0	0	—	—	—
Subtotal non-ferrous ores and scrap	20	0	20	0	—
4650 aluminum ore	0	0	0	—	—
4680 non-ferrous scrap	19	0	19	0	—
4690 non-ferrous ores nec	0	0	0	—	—
Subtotal sulphur, clay and salt	13	0	13	—	—
4741 sulphur, (dry)	1	—	1	—	—
4782 clay & refrac. mat.	12	0	12	—	—
Subtotal slag	11	—	—	11	—
4860 slag	11	—	—	11	—
Subtotal other non-metal. min.	197	159	9	0	28
4900 non-metal. min. nec	197	159	9	0	28
Total primary manufactured goods	1,207	397	651	158	0
Subtotal paper products	276	23	252	1	—
5110 newsprint	35	—	35	0	—
5120 paper & paperboard	214	11	203	0	—
5190 paper products nec	26	12	14	—	—
Subtotal lime, cement and glass	68	48	17	2	—
5220 cement & concrete	0	0	0	—	—
5240 glass & glass prod.	24	16	8	—	—
5290 misc. mineral prod.	43	32	9	2	—
Subtotal primary iron and steel products	45	41	4	—	—
5312 pig iron	1	1	0	—	—
5315 ferro alloys	0	0	0	—	—
5320 i&s primary forms	2	2	1	—	—
5330 i&s plates & sheets	4	2	1	—	—
5360 i&s bars & shapes	16	16	0	—	—
5370 i&s pipe & tube	9	8	1	—	—
5390 primary i&s nec	13	12	1	—	—
Subtotal primary non-ferrous metal products	747	275	362	109	0
5421 copper	5	4	1	—	—
5422 aluminum	9	5	4	—	—
5429 smelted prod. nec	437	2	331	104	—
5480 fab. metal products	296	265	26	5	0
Subtotal primary wood products	72	10	15	47	—
5540 primary wood prod.	72	10	15	47	—
Total food and farm products	5,461	151	5,302	2	5
Subtotal fish	41	15	25	—	—
6134 fish (not shellfish)	26	3	23	—	—
6136 shellfish	15	13	2	—	—

TACOMA HARBOR, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound
Subtotal grain	3,043	2	3,041	---	---
6241 wheat	9	---	9	---	---
6344 corn	3,023	0	3,023	---	---
6442 rice	2	2	0	---	---
6443 barley & rye	0	---	0	---	---
6445 oats	0	0	0	---	---
6447 sorghum grains	8	---	8	---	---
Subtotal oilseeds	849	0	848	1	---
6521 peanuts	0	0	0	---	---
6522 soybeans	841	0	840	1	---
6534 flaxseed	0	---	0	---	---
6590 oilseeds nec	8	---	8	---	---
Subtotal vegetable products	240	14	226	0	---
6653 vegetable oils	3	1	2	0	---
6654 vegetables & prod.	237	13	224	0	---
Subtotal processed grain and animal feed	427	2	425	0	---
6746 wheat flour	1	0	1	---	---
6747 grain mill products	11	0	11	---	---
6781 hay & fodder	305	1	303	0	---
6782 animal feed, prep.	110	0	110	0	---
Subtotal other agricultural products	861	119	738	0	5
6811 meat, fresh, frozen	308	4	303	---	---
6817 meat, prepared	4	0	4	---	---
6822 dairy products	16	0	16	---	---
6835 fish, prepared	13	10	2	---	---
6838 tallow, animal oils	52	---	47	---	5
6839 animals & prod. nec	51	3	47	0	---
6856 bananas & plantains	0	0	0	---	---
6857 fruit & nuts nec	189	11	178	---	---
6858 fruit juices	91	69	21	---	---
6861 sugar	0	0	0	---	---
6865 molasses	0	0	0	---	---
6871 coffee	3	3	0	---	---
6872 cocoa beans	0	---	0	---	---
6885 alcoholic beverages	10	3	7	---	---
6888 water & ice	1	0	1	---	---
6889 food products nec	95	12	83	---	---
6891 tobacco & products	24	1	24	---	---
6893 cotton	0	0	0	---	---
6894 natural fibers nec	1	1	0	---	---
6899 farm products nec	3	0	3	0	---
Total all manufactured equipment, machinery and products	1,973	1,807	160	6	0
7110 machinery (not elec)	225	162	62	1	0
7120 electrical machinery	225	206	15	4	---
7210 vehicles & parts	487	464	22	0	---
7220 aircraft & parts	6	5	1	---	---
7230 ships & boats	1	1	0	---	---
7300 ordnance & access.	0	0	0	---	---
7400 manufac. wood prod.	33	28	5	---	---
7500 textile products	180	163	17	1	---
7600 rubber & plastic pr.	113	104	9	0	---
7900 manufac. prod. nec	703	673	29	0	---
Total unknown or not elsewhere classified	244	117	127	0	---
9900 unknown or nec	244	117	127	0	---

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	8,147	2,351	2,150	2,334	729	583
Total petroleum and petroleum products	4,869	2,101	444	1,348	414	563
Subtotal crude petroleum	2,005	2,005	---	---	---	---
2100 crude petroleum	2,005	2,005	---	---	---	---
Subtotal petroleum products	2,864	95	444	1,348	414	563
2211 gasoline	558	5	25	472	48	8
2330 distillate fuel oil	662	22	347	189	84	19
2340 residual fuel oil	1,593	54	47	682	273	536
2350 lube oil & greases	19	---	15	5	---	0
2429 naphtha & solvents	19	---	9	---	9	---
2430 asphalt, tar & pitch	14	14	---	---	---	---
2990 petro. products nec	0	---	0	---	---	---
Total chemicals and related products	74	6	48	4	16	---
Subtotal other chemicals and related products	74	6	48	4	16	---
3220 alcohols	23	4	---	4	16	---
3274 sodium hydroxide	31	---	31	---	---	---
3275 inorg. elem., oxides, & halogen salts	1	---	1	---	---	---

TACOMA HARBOR, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
3299 chem. products nec	19	2	16	—	—	—
Total crude materials, inedible except fuels	1,337	7	41	975	296	19
Subtotal forest products, wood and chips	1,226	—	41	877	289	19
4161 wood chips	175	—	—	170	—	5
4170 wood in the rough	1,009	—	—	707	289	14
4189 lumber	41	—	41	0	0	—
Subtotal soil, sand, gravel, rock and stone	101	—	—	98	3	—
4331 sand & gravel	101	—	—	98	3	—
Subtotal iron ore and scrap	10	7	—	—	3	—
4420 iron & steel scrap	10	7	—	—	3	—
Total primary manufactured goods	121	4	108	7	1	1
Subtotal paper products	19	—	19	—	—	—
5120 paper & paperboard	1	—	1	—	—	—
5190 paper products nec	18	—	18	—	—	—
Subtotal lime, cement and glass	38	—	31	6	0	1
5290 misc. mineral prod.	38	—	31	6	0	1
Subtotal primary non-ferrous metal products	64	4	58	2	1	—
5480 fab. metal products	64	4	58	2	1	—
Total food and farm products	337	24	312	—	—	—
Subtotal fish	17	17	—	—	—	—
6134 fish (not shellfish)	17	17	—	—	—	—
Subtotal other agricultural products	319	7	312	—	—	—
6835 fish, prepared	10	7	3	—	—	—
6839 animals & prod. nec	1	0	1	—	—	—
6887 groceries	309	0	309	—	—	—
Total all manufactured equipment, machinery and products	1,393	204	1,187	0	2	—
7110 machinery (not elec)	5	—	5	—	—	—
7210 vehicles & parts	3	2	1	—	—	—
7220 aircraft & parts	0	—	—	—	0	—
7400 manufac. wood prod.	32	—	31	0	1	—
7900 manufac. prod. nec	1,353	202	1,149	0	1	—
Total unknown or not elsewhere classified	16	6	10	—	—	—
9900 unknown or nec	16	6	10	—	—	—

*Includes 260 (x1000) tons of foreign inbound in-transits; Includes 329 (x1000) tons of foreign outbound in-transits;
Includes 17 (x1000) tons of Canadian inbound in-transits.

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 mllw 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
1992	21,883	1995	26,180	1998	22,594	2001	20,546
1993	21,693	1996	23,547	1999	25,443		
1994	22,336	1997	26,564	2000	24,156		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
Total, all commodities	14,921	3,971	6,902	3,725	323
Total coal	113	0	0	113	—
1100 coal lignite	113	0	0	113	—
Total petroleum and petroleum products	358	1	5	151	201
Subtotal petroleum products	358	1	5	151	201
2211 gasoline	64	—	—	53	11
2221 kerosene	77	—	0	—	77
2330 distillate fuel oil	27	0	0	12	14
2340 residual fuel oil	142	—	—	66	76
2350 lube oil & greases	14	0	2	11	—
2410 petro. jelly & waxes	0	0	0	—	—
2429 naphtha & solvents	13	0	2	7	3

SEATTLE HARBOR, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
2430 asphalt, tar & pitch	0	0	0	—	—
2540 petroleum coke	21	—	1	1	19
2640 liquid natural gas	0	0	0	—	—
Total chemicals and related products	373	215	155	0	4
Subtotal fertilizers	4	1	3	—	—
3110 nitrogenous fert.	0	0	—	—	—
3120 phosphatic fert.	1	—	1	—	—
3130 potassic fert.	0	0	0	—	—
3190 fert. & mixes nec	2	1	1	—	—
Subtotal other chemicals and related products	370	214	152	0	4
3211 acyclic hydrocarbons	0	0	0	—	—
3212 benzene & toluene	0	0	0	—	—
3219 other hydrocarbons	3	2	1	—	—
3220 alcohols	13	8	4	—	—
3230 carboxylic acids	14	9	5	—	—
3240 nitrogen func. comp.	17	13	4	—	—
3250 organo - inorg. comp.	4	3	1	—	—
3260 organic comp. nec	12	5	7	—	—
3272 sulphuric acid	1	1	0	—	—
3273 ammonia	0	0	0	—	—
3274 sodium hydroxide	1	0	1	—	—
3275 inorg. elem.,oxides, & halogen salts	37	24	13	0	—
3276 metallic salts	41	34	4	—	3
3279 inorganic chem. nec	3	2	1	—	—
3281 radioactive material	2	0	2	—	0
3282 pigments & paints	15	12	3	—	—
3283 coloring mat. nec	4	4	0	—	—
3284 medicines	10	2	8	—	—
3285 perfumes & cleansers	18	4	14	—	0
3286 plastics	123	68	55	0	—
3291 pesticides	3	1	2	—	—
3292 starches, gluten, glue	15	4	11	—	—
3293 explosives	1	1	0	—	—
3297 chemical additives	2	1	1	—	—
3298 wood & resin chem.	1	0	1	—	—
3299 chem. products nec	29	15	13	—	1
Total crude materials, inedible except fuels	3,741	392	695	2,649	5
Subtotal forest products, wood and chips	480	34	223	218	5
4110 rubber & gums	5	5	—	—	—
4150 fuel wood	5	0	0	—	5
4161 wood chips	0	—	0	—	—
4170 wood in the rough	45	3	41	0	—
4189 lumber	423	25	180	218	0
4190 forest products nec	2	1	1	—	0
Subtotal pulp and waste paper	391	0	383	7	—
4225 pulp & waste paper	391	0	383	7	—
Subtotal soil, sand, gravel, rock and stone	2,759	351	2	2,406	—
4310 building stone	19	9	1	9	—
4322 limestone	1,406	0	0	1,406	—
4323 gypsum	387	338	0	49	—
4331 sand & gravel	948	5	2	942	—
Subtotal iron ore and scrap	12	0	8	4	—
4410 iron ore	0	0	0	—	—
4420 iron & steel scrap	12	0	8	4	—
Subtotal marine shells	0	0	0	—	—
4515 marine shells	0	0	0	—	—
Subtotal non-ferrous ores and scrap	20	4	15	—	—
4650 aluminum ore	4	3	1	—	—
4680 non-ferrous scrap	15	0	14	—	—
4690 non-ferrous ores nec	2	1	1	—	—
Subtotal sulphur, clay and salt	46	1	45	—	—
4741 sulphur, (dry)	4	—	4	—	—
4782 clay & refrac. mat.	42	1	41	—	—
Subtotal other non-metal. min.	33	1	18	13	—
4900 non-metal. min. nec	33	1	18	13	—
Total primary manufactured goods	1,921	682	434	803	3
Subtotal paper products	461	80	292	88	0
5110 newsprint	61	—	51	9	—
5120 paper & paperboard	359	63	218	79	0
5190 paper products nec	41	18	23	—	0
Subtotal lime, cement and glass	801	239	46	513	2
5220 cement & concrete	664	156	0	507	2
5240 glass & glass prod.	46	30	16	—	0
5290 misc. mineral prod.	90	54	30	7	—
Subtotal primary iron and steel products	93	78	7	8	0
5312 pig iron	3	2	0	—	—
5315 ferro alloys	3	3	0	—	—
5320 i&s primary forms	5	4	1	—	0
5330 i&s plates & sheets	26	15	4	7	—
5360 i&s bars & shapes	10	10	0	—	—
5370 i&s pipe & tube	37	36	1	—	—
5390 primary i&s nec	9	7	1	1	—

SEATTLE HARBOR, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound*	Outbound*
Subtotal primary non-ferrous metal products	534	270	79	185	---
5421 copper	7	5	1	---	---
5422 aluminum	17	6	12	---	---
5429 smelted prod. nec	230	11	35	184	---
5480 fab. metal products	280	248	32	1	---
Subtotal primary wood products	32	15	9	8	0
5540 primary wood prod.	32	15	9	8	0
Total food and farm products	5,607	287	5,309	6	5
Subtotal fish	177	32	141	0	4
6134 fish (not shellfish)	159	18	137	0	4
6136 shellfish	18	14	4	---	---
Subtotal grain	1,475	15	1,459	0	---
6241 wheat	61	0	61	---	---
6344 corn	1,392	0	1,392	---	---
6442 rice	19	15	4	---	---
6443 barley & rye	0	0	0	---	---
6445 oats	2	0	1	0	---
6447 sorghum grains	0	---	0	---	---
Subtotal oilseeds	1,709	6	1,703	0	---
6521 peanuts	0	0	0	---	---
6522 soybeans	1,684	1	1,684	---	---
6590 oilseeds nec	25	6	19	0	---
Subtotal vegetable products	436	17	419	0	0
6653 vegetable oils	9	1	8	---	---
6654 vegetables & prod.	427	16	411	0	0
Subtotal processed grain and animal feed	849	5	843	0	0
6746 wheat flour	8	0	8	---	---
6747 grain mill products	14	1	13	0	---
6781 hay & fodder	530	2	527	0	---
6782 animal feed, prep.	297	2	295	---	0
Subtotal other agricultural products	961	211	744	5	1
6811 meat, fresh, frozen	254	38	215	0	0
6817 meat, prepared	4	0	4	---	---
6822 dairy products	37	1	36	---	---
6835 fish, prepared	43	3	40	0	0
6838 tallow, animal oils	1	---	1	---	---
6839 animals & prod. nec	123	6	117	---	---
6856 bananas & plantains	0	0	---	---	---
6857 fruit & nuts nec	189	38	151	---	0
6858 fruit juices	41	16	25	0	0
6861 sugar	0	0	0	---	---
6865 molasses	45	40	0	5	---
6871 coffee	28	27	0	---	---
6872 cocoa beans	6	6	---	---	---
6885 alcoholic beverages	46	12	34	---	---
6888 water & ice	0	0	0	---	---
6889 food products nec	115	19	96	0	0
6891 tobacco & products	2	1	1	---	---
6893 cotton	7	1	6	---	---
6894 natural fibers nec	1	1	0	---	---
6899 farm products nec	19	1	17	0	0
Total all manufactured equipment, machinery and products	2,583	2,235	239	3	106
7110 machinery (not elec)	348	268	79	0	0
7120 electrical machinery	345	320	25	0	---
7210 vehicles & parts	411	381	30	0	0
7220 aircraft & parts	11	10	1	---	---
7230 ships & boats	8	5	3	0	0
7300 ordnance & access.	0	0	0	---	---
7400 manufac. wood prod.	38	23	15	0	0
7500 textile products	314	298	16	---	0
7600 rubber & plastic pr.	196	178	18	0	---
7900 manufac. prod. nec	910	752	51	2	106
Total unknown or not elsewhere classified	224	158	65	1	0
9900 unknown or nec	224	158	65	1	0

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intrпорт
Total, all commodities	5,626	474	1,014	3,026	531	580
Total petroleum and petroleum products	3,377	293	225	2,119	241	500
Subtotal crude petroleum	15	15	---	---	---	---
2100 crude petroleum	15	15	---	---	---	---
Subtotal petroleum products	3,362	278	225	2,119	241	500
2211 gasoline	753	17	27	672	25	12
2330 distillate fuel oil	644	44	105	355	56	84

SEATTLE HARBOR, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
2340 residual fuel oil	1,683	77	46	1,004	152	404
2350 lube oil & greases	9	1	1	0	7	1
2430 asphalt, tar & pitch	72	72	—	—	—	—
2640 liquid natural gas	0	0	—	—	0	—
2990 petro. products nec	201	67	45	88	0	—
Total chemicals and related products	94	20	46	16	9	4
Subtotal fertilizers	38	1	37	—	1	—
3110 nitrogenous fert.	2	1	0	—	1	—
3190 fert. & mixes nec	37	—	37	—	0	—
Subtotal other chemicals and related products	56	19	9	16	8	4
3211 acyclic hydrocarbons	1	—	—	—	1	—
3220 alcohols	40	17	—	16	4	4
3260 organic comp. nec	0	—	—	—	0	—
3272 sulphuric acid	1	1	—	—	—	—
3274 sodium hydroxide	1	1	—	—	—	—
3275 inorg. elem., oxides, & halogen salts	2	—	2	—	—	—
3276 metallic salts	0	—	—	—	0	—
3281 radioactive material	0	0	—	—	—	—
3282 pigments & paints	2	1	0	—	1	—
3284 medicines	0	—	0	—	0	—
3285 perfumes & cleansers	0	—	0	—	—	—
3286 plastics	6	0	6	—	0	—
3291 pesticides	0	—	0	—	—	—
3293 explosives	1	—	1	—	—	—
3299 chem. products nec	2	1	0	0	2	—
Total crude materials, inedible except fuels	1,004	7	174	798	21	4
Subtotal forest products, wood and chips	171	0	156	2	12	0
4110 rubber & gums	0	—	—	—	0	—
4161 wood chips	3	—	—	2	2	—
4189 lumber	165	0	155	1	9	0
4190 forest products nec	3	—	1	—	2	—
Subtotal pulp and waste paper	5	4	0	—	0	—
4225 pulp & waste paper	5	4	0	—	0	—
Subtotal soil, sand, gravel, rock and stone	808	—	6	790	7	4
4322 limestone	2	—	2	—	—	—
4331 sand & gravel	802	—	0	790	7	4
4338 soil & fill dirt	4	—	4	0	—	—
Subtotal iron ore and scrap	7	2	—	5	—	—
4420 iron & steel scrap	7	2	—	5	—	—
Subtotal sulphur, clay and salt	0	—	—	—	0	—
4782 clay & refrac. mat.	0	—	—	—	0	—
Subtotal other non-metal. min.	13	0	12	0	1	—
4900 non-metal. min. nec	13	0	12	0	1	—
Total primary manufactured goods	296	7	178	10	42	60
Subtotal paper products	50	5	39	1	5	—
5110 newsprint	4	—	4	—	—	—
5120 paper & paperboard	6	—	6	—	—	—
5190 paper products nec	40	5	29	1	5	—
Subtotal lime, cement and glass	166	0	90	2	15	60
5210 lime	0	—	0	—	—	—
5220 cement & concrete	68	—	2	0	6	59
5240 glass & glass prod.	4	—	1	1	2	—
5290 misc. mineral prod.	95	0	87	1	7	0
Subtotal primary iron and steel products	6	—	4	1	1	—
5330 i&s plates & sheets	0	—	—	—	0	—
5370 i&s pipe & tube	6	—	4	1	1	—
Subtotal primary non-ferrous metal products	72	1	44	7	20	0
5421 copper	1	—	—	—	1	—
5480 fab. metal products	71	1	44	7	20	0
Subtotal primary wood products	2	—	2	—	0	—
5540 primary wood prod.	2	—	2	—	0	—
Total food and farm products	342	87	137	44	61	12
Subtotal fish	68	40	4	23	1	0
6134 fish (not shellfish)	66	38	4	22	1	0
6136 shellfish	2	2	—	0	0	—
Subtotal grain	0	—	0	—	—	—
6344 corn	0	—	0	—	—	—
6442 rice	0	—	0	—	—	—
Subtotal vegetable products	37	0	36	0	0	—
6654 vegetables & prod.	37	0	36	0	0	—
Subtotal processed grain and animal feed	58	0	57	—	0	—
6746 wheat flour	4	0	4	—	—	—
6747 grain mill products	0	—	0	—	—	—
6781 hay & fodder	1	—	1	—	—	—
6782 animal feed, prep.	52	0	52	—	0	—
Subtotal other agricultural products	179	46	39	21	60	12
6811 meat, fresh, frozen	3	0	2	0	0	—
6822 dairy products	1	—	1	—	—	—
6835 fish, prepared	28	13	—	15	0	—
6839 animals & prod. nec	2	1	1	—	—	—
6857 fruit & nuts nec	3	0	3	—	—	—

SEATTLE HARBOR, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
6858 fruit juices	16	15	0	0	0	—
6861 sugar	0	—	0	—	—	—
6865 molasses	29	16	—	—	—	12
6871 coffee	0	—	0	—	—	—
6885 alcoholic beverages	23	0	9	5	9	—
6887 groceries	51	—	7	1	43	—
6888 water & ice	0	—	—	0	0	—
6889 food products nec	22	0	14	0	8	—
6899 farm products nec	3	1	2	—	—	—
Total all manufactured equipment, machinery and products	508	62	254	34	157	0
7110 machinery (not elec)	33	12	15	1	5	—
7120 electrical machinery	7	0	1	0	6	—
7210 vehicles & parts	31	8	12	2	9	—
7220 aircraft & parts	1	0	0	—	1	—
7230 ships & boats	1	0	0	0	0	—
7400 manufac. wood prod.	60	0	45	1	13	0
7500 textile products	3	0	0	1	2	—
7600 rubber & plastic pr.	2	0	0	—	2	—
7900 manufac. prod. nec	369	41	180	29	119	0
Total waste and scrap nec	5	—	—	5	1	—
8900 waste and scrap nec	5	—	—	5	1	—

*Includes 276 (x1000) tons of foreign inbound in-transits; Includes 113 (x1000) tons of foreign outbound in-transits;
Includes 3 (x1000) tons of Canadian inbound in-transits; Includes 1 (x1000) tons of Canadian outbound in-transits.

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
1992	1,614	1995	1,555	1998	1,679	2001	695
1993	1,919	1996	1,316	1999	1,594		
1994	1,365	1997	1,496	2000	1,566		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic				
		Inbound	Outbound	Total	Coastwise		Internal	
					Receipts	Shipments	Inbound	Outbound
						Upbound	Downbnd	
Total, all commodities	695	28	26	641	42	42	556	1
Total petroleum and petroleum products	103	2	26	75	0	0	75	0
Subtotal petroleum products	103	2	26	75	0	0	75	0
2211 gasoline	10	2	9	—	—	—	—	—
2221 kerosene	16	—	16	—	—	—	—	—
2330 distillate fuel oil	76	—	2	75	—	—	75	—
2350 lube oil & greases	0	—	—	0	—	0	—	—
2640 liquid natural gas	0	—	—	0	0	—	—	—
2990 petro. products nec	0	—	—	0	—	—	—	0
Total chemicals and related products	0	—	—	0	—	0	—	0
Subtotal fertilizers	0	—	—	0	—	0	—	0
3110 nitrogenous fert.	0	—	—	0	—	0	—	—
3190 fert. & mixes nec	0	—	—	0	—	—	—	0
Subtotal other chemicals and related products	0	—	—	0	—	0	—	0
3286 plastics	0	—	—	0	—	0	—	0
Total crude materials, inedible except fuels	510	22	—	488	0	7	481	0
Subtotal forest products, wood and chips	0	—	—	0	—	0	—	0
4189 lumber	0	—	—	0	—	0	—	0
Subtotal soil, sand, gravel, rock and stone	502	22	—	481	—	—	481	—
4331 sand & gravel	502	22	—	481	—	—	481	—
Subtotal other non-metal. min.	7	—	—	7	0	7	—	0
4900 non-metal. min. nec	7	—	—	7	0	7	—	0

LAKE WASHINGTON SHIP CANAL, WA (INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WA)
 Freight Traffic 2001 - continued
 (thousand short tons)

Commodity	Grand Total	Canadian		Domestic				
		Inbound	Outbound	Total	Coastwise		Internal	
					Receipts	Shipments	Inbound Upbound	Outbound Downbnd
Total primary manufactured goods	23	5	—	18	1	17	0	0
Subtotal paper products	7	—	—	7	0	7	—	0
5190 paper products nec	7	—	—	7	0	7	—	0
Subtotal lime, cement and glass	5	5	—	0	—	0	—	0
5220 cement & concrete	5	5	—	—	—	—	—	—
5290 misc. mineral prod.	0	—	—	0	—	0	—	0
Subtotal primary iron and steel products	0	—	—	0	—	—	—	0
5330 i&s plates & sheets	0	—	—	0	—	—	—	0
Subtotal primary non-ferrous metal products	11	—	—	11	1	10	0	0
5480 fab. metal products	11	—	—	11	1	10	0	0
Total food and farm products	45	—	—	45	39	5	0	0
Subtotal fish	42	—	—	42	38	4	0	0
6134 fish (not shellfish)	41	—	—	41	37	4	0	0
6136 shellfish	1	—	—	1	1	—	—	—
Subtotal vegetable products	0	—	—	0	0	0	—	0
6654 vegetables & prod.	0	—	—	0	0	0	—	0
Subtotal other agricultural products	3	—	—	3	1	1	0	0
6811 meat, fresh, frozen	1	—	—	1	0	0	—	0
6835 fish, prepared	1	—	—	1	1	—	—	—
6858 fruit juices	0	—	—	0	0	0	—	0
6885 alcoholic beverages	0	—	—	0	—	0	0	0
6887 groceries	0	—	—	0	—	0	—	0
Total all manufactured equipment, machinery and products	14	—	—	14	1	12	0	0
7110 machinery (not elec)	0	—	—	0	—	0	0	0
7210 vehicles & parts	0	—	—	0	0	0	0	0
7230 ships & boats	0	—	—	0	0	—	—	0
7400 manufac. wood prod.	0	—	—	0	—	0	—	0
7900 manufac. prod. nec	13	—	—	13	1	12	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
1992	6,010	1995	4,441	1998	3,321	2001	2,868
1993	4,714	1996	4,007	1999	3,815		
1994	4,192	1997	3,640	2000	3,457		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound	Outbound
Total, all commodities	534	50	42	183	259
Total chemicals and related products	0	0	—	—	—
Subtotal other chemicals and related products	0	0	—	—	—
3260 organic comp. nec	0	0	—	—	—
3275 inorg. elem., oxides, & halogen salts	0	0	—	—	—
3276 metallic salts	0	0	—	—	—
3286 plastics	0	0	—	—	—
3299 chem. products nec	0	0	—	—	—
Total crude materials, inedible except fuels	512	44	37	181	250
Subtotal forest products, wood and chips	424	—	37	137	250
4150 fuel wood	122	—	—	41	80
4161 wood chips	251	—	—	95	156
4170 wood in the rough	37	—	37	—	—
4189 lumber	14	—	0	—	13
Subtotal pulp and waste paper	2	—	—	2	—
4225 pulp & waste paper	2	—	—	2	—
Subtotal soil, sand, gravel, rock and stone	42	—	—	42	—
4322 limestone	37	—	—	37	—

EVERETT HARBOR AND SNOHOMISH RIVER, WA
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound*	Outbound*	Inbound	Outbound
4331 sand & gravel	6	—	—	6	—
Subtotal non-ferrous ores and scrap	44	44	—	—	—
4650 aluminum ore	44	44	—	—	—
4680 non-ferrous scrap	0	0	—	—	—
Total primary manufactured goods	7	2	2	2	—
Subtotal paper products	6	1	2	2	—
5120 paper & paperboard	6	1	2	2	—
Subtotal lime, cement and glass	0	0	—	—	—
5240 glass & glass prod.	0	0	—	—	—
Subtotal primary iron and steel products	0	0	—	—	—
5312 pig iron	0	0	—	—	—
5315 ferro alloys	0	0	—	—	—
5370 i&s pipe & tube	0	0	—	—	—
5390 primary i&s nec	0	0	—	—	—
Subtotal primary non-ferrous metal products	1	1	—	—	—
5480 fab. metal products	1	1	—	—	—
Total food and farm products	1	0	1	—	—
Subtotal fish	0	0	—	—	—
6136 shellfish	0	0	—	—	—
Subtotal oilseeds	0	0	—	—	—
6521 peanuts	0	0	—	—	—
Subtotal vegetable products	0	0	0	—	—
6654 vegetables & prod.	0	0	0	—	—
Subtotal processed grain and animal feed	1	—	1	—	—
6781 hay & fodder	1	—	1	—	—
Subtotal other agricultural products	0	0	—	—	—
6835 fish, prepared	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	9	2	2	—	5
7110 machinery (not elec)	0	0	0	—	—
7120 electrical machinery	1	1	—	—	—
7210 vehicles & parts	0	0	—	—	—
7220 aircraft & parts	0	0	—	—	—
7300 ordnance & access.	0	0	0	—	—
7400 manufac. wood prod.	5	0	0	—	5
7500 textile products	0	0	—	—	—
7600 rubber & plastic pr.	0	0	0	—	—
7900 manufac. prod. nec	2	0	2	—	—
Total unknown or not elsewhere classified	5	0	0	—	5
9900 unknown or nec	5	0	0	—	5

Commodity	Total	Domestic			
		Coastwise		Internal	
		Receipts	Shipments	Receipts	Shipments
Total, all commodities	2,334	13	39	1,258	1,024
Total petroleum and petroleum products	7	—	—	7	—
Subtotal petroleum products	7	—	—	7	—
2340 residual fuel oil	7	—	—	7	—
Total crude materials, inedible except fuels	2,317	13	39	1,245	1,019
Subtotal forest products, wood and chips	2,178	13	39	1,106	1,019
4161 wood chips	90	13	8	29	40
4170 wood in the rough	2,088	—	32	1,077	979
Subtotal soil, sand, gravel, rock and stone	139	—	—	139	—
4331 sand & gravel	139	—	—	139	—
Total primary manufactured goods	1	—	—	—	1
Subtotal primary iron and steel products	1	—	—	—	1
5370 i&s pipe & tube	1	—	—	—	1
Total all manufactured equipment, machinery and products	8	—	—	5	3
7210 vehicles & parts	0	—	—	0	—
7220 aircraft & parts	2	—	—	2	—
7900 manufac. prod. nec	6	—	—	4	3
Total unknown or not elsewhere classified	2	—	—	0	2
9900 unknown or nec	2	—	—	0	2

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

SWINOMISH CHANNEL, WA

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

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	816	1995	689	1998	200	2001	271
1993	521	1996	392	1999	201		
1994	374	1997	119	2000	258		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Internal					
		Inbound		Outbound		Intra	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	271	119	35	15	79	18	6
Total crude materials, inedible except fuels	271	119	35	15	79	18	6
Subtotal forest products, wood and chips	242	119	6	15	79	18	6
4170 wood in the rough	242	119	6	15	79	18	6
Subtotal soil, sand, gravel, rock and stone	29	—	29	—	—	—	—
4331 sand & gravel	29	—	29	—	—	—	—
Ton-miles (x1000)	847	276	247	118	102	76	29
Tons All Traffic (x1000)	271						
Ton-miles All Traffic (x1000)	847						

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 mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	15,260	1995	13,110	1998	11,948	2001	16,769
1993	13,124	1996	13,844	1999	16,232		
1994	12,950	1997	13,904	2000	18,005		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound*	Outbound
Total, all commodities	2,010	594	288	482	646
Total petroleum and petroleum products	1,525	594	270	23	638
Subtotal crude petroleum	523	519	—	4	—
2100 crude petroleum	523	519	—	4	—
Subtotal petroleum products	1,002	75	270	19	638
2211 gasoline	60	36	24	—	—
2221 kerosene	119	—	—	—	119
2330 distillate fuel oil	135	39	76	19	1
2340 residual fuel oil	233	—	54	—	180
2429 naphtha & solvents	118	—	54	—	64
2540 petroleum coke	335	—	61	—	274
Total chemicals and related products	37	—	—	37	—
Subtotal other chemicals and related products	37	—	—	37	—
3298 wood & resin chem.	3	—	—	3	—
3299 chem. products nec	34	—	—	34	—
Total crude materials, inedible except fuels	440	—	18	415	8
Subtotal forest products, wood and chips	440	—	18	415	8
4150 fuel wood	3	—	—	3	—
4161 wood chips	100	—	—	100	—
4170 wood in the rough	337	—	18	312	8
Total primary manufactured goods	1	0	1	0	0
Subtotal lime, cement and glass	0	0	—	0	—
5290 misc. mineral prod.	0	0	—	0	—
Subtotal primary non-ferrous metal products	1	—	1	0	0
5429 smelted prod. nec	1	—	1	—	—
5480 fab. metal products	0	—	—	0	0
Total food and farm products	5	—	—	5	—
Subtotal fish	1	—	—	1	—
6134 fish (not shellfish)	1	—	—	1	—
Subtotal processed grain and animal feed	4	—	—	4	—
6782 animal feed, prep.	4	—	—	4	—

ANACORTES HARBOR, WA
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound	Inbound*	Outbound
Subtotal other agricultural products	0	---	---	0	---
6839 animals & prod. nec	0	---	---	0	---
Total all manufactured equipment, machinery and products	2	0	---	2	---
7110 machinery (not elec)	1	0	---	1	---
7230 ships & boats	0	---	---	0	---
7900 manufac. prod. nec	0	---	---	0	---
Total unknown or not elsewhere classified	0	0	---	0	---
9900 unknown or nec	0	0	---	0	---

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intransport
Total, all commodities	14,759	9,668	2,643	384	1,990	75
Total petroleum and petroleum products	14,687	9,668	2,638	350	1,956	75
Subtotal crude petroleum	8,990	8,980	---	---	10	---
2100 crude petroleum	8,990	8,980	---	---	10	---
Subtotal petroleum products	5,698	688	2,638	350	1,946	75
2211 gasoline	2,408	94	1,403	180	703	28
2330 distillate fuel oil	1,729	106	986	110	484	44
2340 residual fuel oil	1,076	119	232	51	672	2
2350 lube oil & greases	315	315	---	0	0	0
2429 naphtha & solvents	46	19	17	9	---	---
2640 liquid natural gas	0	---	---	---	0	---
2990 petro. products nec	123	35	---	---	88	---
Total chemicals and related products	4	---	4	---	---	---
Subtotal other chemicals and related products	4	---	4	---	---	---
3297 chemical additives	4	---	4	---	---	---
Total crude materials, inedible except fuels	66	---	---	33	33	---
Subtotal forest products, wood and chips	66	---	---	33	33	---
4170 wood in the rough	66	---	---	33	33	---
4189 lumber	0	---	---	0	0	---
Total primary manufactured goods	0	---	---	0	0	---
Subtotal lime, cement and glass	0	---	---	0	0	---
5290 misc. mineral prod.	0	---	---	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	---	---	0	1	---
7210 vehicles & parts	0	---	---	---	0	---
7400 manufac. wood prod.	0	---	---	0	0	---
Total waste and scrap nec	1	---	---	1	---	---
8900 waste and scrap nec	1	---	---	1	---	---

*Includes 5 (x1000) tons of Canadian inbound in-transits.

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 mllw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	1,383	1995	1,291	1998	1,244	2001	289
1993	1,223	1996	1,419	1999	1,526		
1994	1,343	1997	1,555	2000	541		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic				
		Inbound	Outbound	Inbound	Outbound	Total	Coastwise		Internal	
							Receipts	Receipts	Shipments	
Total, all commodities	289	99	83	22	31	55	2	51	2	
Total petroleum and petroleum products	205	97	77	---	31	---	---	---	---	
Subtotal crude petroleum	97	97	---	---	---	---	---	---	---	
2100 crude petroleum	97	97	---	---	---	---	---	---	---	
Subtotal petroleum products	108	---	77	---	31	---	---	---	---	
2221 kerosene	31	---	---	---	31	---	---	---	---	
2330 distillate fuel oil	77	---	77	---	---	---	---	---	---	
Total chemicals and related products	8	---	---	8	---	---	---	---	---	
Subtotal other chemicals and related products	8	---	---	8	---	---	---	---	---	
3276 metallic salts	8	---	---	8	---	---	---	---	---	
Total crude materials, inedible except fuels	67	---	2	13	---	51	---	51	---	
Subtotal forest products, wood and chips	5	---	---	---	---	5	---	5	---	
4161 wood chips	5	---	---	---	---	5	---	5	---	
Subtotal pulp and waste paper	5	---	2	3	---	---	---	---	---	
4225 pulp & waste paper	5	---	2	3	---	---	---	---	---	
Subtotal soil, sand, gravel, rock and stone	57	---	---	10	---	46	---	46	---	
4323 gypsum	10	---	---	10	---	---	---	---	---	
4331 sand & gravel	46	---	---	---	---	46	---	46	---	
Total primary manufactured goods	4	---	3	0	0	1	---	---	1	
Subtotal paper products	1	---	1	0	0	---	---	---	---	
5120 paper & paperboard	1	---	1	0	0	---	---	---	---	
Subtotal primary non-ferrous metal products	3	---	2	---	---	1	---	---	1	
5422 aluminum	2	---	2	---	---	---	---	---	---	
5480 fab. metal products	1	---	---	---	---	1	---	---	1	
Total food and farm products	4	1	---	0	---	2	2	---	---	
Subtotal fish	2	---	---	0	---	2	2	---	---	
6134 fish (not shellfish)	2	---	---	0	---	2	2	---	---	
6136 shellfish	0	---	---	---	---	0	0	---	---	
Subtotal other agricultural products	1	1	---	---	---	---	---	---	---	
6839 animals & prod. nec	1	1	---	---	---	---	---	---	---	

BELLINGHAM BAY AND HARBOR, WA
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian		Domestic			
		Inbound	Outbound	Inbound	Outbound	Total	Coastwise Receipts	Internal	
								Receipts	Shipments
Total all manufactured equipment, machinery and products	1	---	---	0	0	1	---	---	1
7110 machinery (not elec)	0	---	---	0	---	---	---	---	---
7210 vehicles & parts	0	---	---	---	---	0	---	---	0
7230 ships & boats	0	---	---	---	0	---	---	---	---
7400 manufac. wood prod.	1	---	---	---	---	1	---	---	1
7900 manufac. prod. nec	0	---	---	0	---	---	---	---	---
Total waste and scrap nec	1	---	---	---	---	1	---	0	1
8900 waste and scrap nec	1	---	---	---	---	1	---	0	1

Other Harbors and Waterways 2001

Harbor or Waterway Project	Commodity	Thousand Short Tons
BLAINE HARBOR, WA	No Commerce Reported	
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WA	No Commerce Reported	
FLATHEAD LAKE, MT	No Commerce Reported	
HOQUIAM RIVER, WA	No Commerce Reported	
KOOTENAI RIVER, ID AND MT	No Commerce Reported	
NEAH BAY, WA	No Commerce Reported	
PORT GAMBLE HARBOR, WA	4161 wood chips 4170 wood in the rough	11 71
	Total Tons(x1000)	82
PORT TOWNSEND HARBOR, WA	2340 residual fuel oil 4161 wood chips 4170 wood in the rough	26 104 54
	Total Tons(x1000)	184
QUILLAYUTE RIVER, WA	No Commerce Reported	
SKAGIT RIVER, WA	6134 fish (not shellfish)	0
	Total Tons(x1000) Total Ton-miles(x1000)	0 0
STILLAGUAMISH RIVER, WA	No Commerce Reported	
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WA	No Commerce Reported	
WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WA	No Commerce Reported	
Non-project		
COEUR D ALENE LAKE AND ST. JOE RIVER, ID	4170 wood in the rough	322
	Total Tons(x1000) Total Ton-miles(x1000)	322 4,146
OTHER PUGET SOUND AREA PORTS, WA (NET)	2100 crude petroleum 2211 gasoline 2221 kerosene 2330 distillate fuel oil 2340 residual fuel oil 2350 lube oil & greases 2429 naphtha & solvents 2430 asphalt, tar & pitch 2640 liquid natural gas 3110 nitrogenous fert. 3212 benzene & toluene 4161 wood chips 4170 wood in the rough 4189 lumber 4331 sand & gravel 4650 aluminum ore 5290 misc. mineral prod. 5370 i&s pipe & tube 5429 smelted prod. nec 5480 fab. metal products	13,801 3,044 101 1,574 1,893 57 133 16 110 12 57 10 1,060 0 1,146 45 6 0 2 2

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
OTHER PUGET SOUND AREA PORTS, WA (NET) - continued	7110 machinery (not elec)	1
	7210 vehicles & parts	1
	7400 manufac. wood prod.	2
	7900 manufac. prod. nec	0
	8900 waste and scrap nec	2
	9900 unknown or nec	2
	Total Tons(x1000)	23,075

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
1992	1,986	1995	1,821	1998	937	2001	596
1993	1,564	1996	1,341	1999	1,400		
1994	1,759	1997	1,241	2000	756		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Outbound	Inbound	Outbound	Inbound
Total, all commodities	139	95	43	1	1
Total petroleum and petroleum products	78	69	9	—	—
Subtotal petroleum products	78	69	9	—	—
2211 gasoline	5	—	5	—	—
2330 distillate fuel oil	2	—	2	—	—
2340 residual fuel oil	69	69	—	—	—
2640 liquid natural gas	2	—	2	—	—
Total chemicals and related products	26	26	0	—	—
Subtotal other chemicals and related products	26	26	0	—	—
3230 carboxylic acids	0	—	0	—	—
3273 ammonia	26	26	—	—	—
3293 explosives	0	—	0	—	—
Total crude materials, inedible except fuels	33	—	33	—	—
Subtotal forest products, wood and chips	13	—	13	—	—
4170 wood in the rough	13	—	13	—	—
Subtotal soil, sand, gravel, rock and stone	20	—	20	—	—
4331 sand & gravel	20	—	20	—	—
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	0	—	0	—	—
Subtotal fish	0	—	0	—	—
6134 fish (not shellfish)	0	—	0	—	—
Total all manufactured equipment, machinery and products	2	—	1	1	1
7110 machinery (not elec)	0	—	0	—	—
7120 electrical machinery	0	—	0	—	—
7210 vehicles & parts	0	—	0	—	—
7230 ships & boats	0	—	0	—	—
7900 manufac. prod. nec	2	—	0	—	1
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	457	36	27	233	150	12
Total petroleum and petroleum products	289	36	17	125	100	12
Subtotal petroleum products	289	36	17	125	100	12
2211 gasoline	125	20	8	54	39	4
2330 distillate fuel oil	139	16	6	70	40	7
2340 residual fuel oil	19	—	3	—	15	1
2350 lube oil & greases	1	—	—	0	0	—
2430 asphalt, tar & pitch	0	—	—	0	0	—
2990 petro. products nec	6	—	—	0	6	—
Total chemicals and related products	1	—	—	0	0	—
Subtotal other chemicals and related products	1	—	—	0	0	—
3286 plastics	0	—	—	0	—	—
3293 explosives	1	—	—	0	0	—
3299 chem. products nec	0	—	—	0	—	—
Total crude materials, inedible except fuels	38	0	10	23	4	—
Subtotal forest products, wood and chips	31	—	10	21	1	—
4110 rubber & gums	0	—	—	0	—	—
4161 wood chips	10	—	10	—	—	—
4170 wood in the rough	20	—	—	20	0	—
4189 lumber	1	—	—	1	0	—
4190 forest products nec	0	—	—	0	—	—
Subtotal pulp and waste paper	0	—	—	0	—	—
4225 pulp & waste paper	0	—	—	0	—	—

KETCHIKAN HARBOR, AK
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Subtotal soil, sand, gravel, rock and stone	6	---	---	3	4	---
4331 sand & gravel	4	---	---	0	4	---
4338 soil & fill dirt	2	---	---	2	---	---
Subtotal sulphur, clay and salt	0	---	---	0	---	---
4782 clay & refrac. mat.	0	---	---	0	---	---
Subtotal other non-metal. min.	0	0	---	0	0	---
4900 non-metal. min. nec	0	0	---	0	0	---
Total primary manufactured goods	10	0	---	6	4	---
Subtotal paper products	1	0	---	0	1	---
5190 paper products nec	1	0	---	0	1	---
Subtotal lime, cement and glass	2	---	---	2	0	---
5220 cement & concrete	1	---	---	1	---	---
5240 glass & glass prod.	0	---	---	0	0	---
5290 misc. mineral prod.	0	---	---	0	0	---
Subtotal primary non-ferrous metal products	8	0	---	4	3	---
5480 fab. metal products	8	0	---	4	3	---
Total food and farm products	30	0	---	15	14	---
Subtotal fish	7	---	---	0	7	---
6134 fish (not shellfish)	7	---	---	0	7	---
Subtotal vegetable products	0	0	---	---	0	---
6654 vegetables & prod.	0	0	---	---	0	---
Subtotal other agricultural products	23	0	---	15	8	---
6811 meat, fresh, frozen	0	0	---	---	0	---
6835 fish, prepared	7	---	---	---	7	---
6858 fruit juices	0	0	---	---	0	---
6885 alcoholic beverages	3	---	---	3	0	---
6887 groceries	7	---	---	7	0	---
6889 food products nec	6	---	---	5	0	---
Total all manufactured equipment, machinery and products	89	0	0	63	25	1
7110 machinery (not elec)	12	---	---	5	6	0
7120 electrical machinery	1	---	---	1	---	---
7210 vehicles & parts	5	---	---	5	1	---
7230 ships & boats	0	---	0	0	0	---
7400 manufac. wood prod.	2	---	---	2	0	---
7500 textile products	1	---	---	1	---	---
7600 rubber & plastic pr.	1	---	---	1	---	---
7900 manufac. prod. nec	67	0	0	48	19	0
Total waste and scrap nec	1	---	---	---	1	---
8900 waste and scrap nec	1	---	---	---	1	---

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 mlw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	718	1995	544	1998	432	2001	530
1993	569	1996	473	1999	404		
1994	547	1997	496	2000	630		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
Total, all commodities	95	2	2	28	64
Total petroleum and petroleum products	60	2	2	22	34
Subtotal petroleum products	60	2	2	22	34
2211 gasoline	30	1	0	10	19
2330 distillate fuel oil	27	1	1	10	15
2340 residual fuel oil	3	0	---	3	---
Total chemicals and related products	0	---	---	0	---
Subtotal fertilizers	0	---	---	0	---
3110 nitrogenous fert.	0	---	---	0	---
Subtotal other chemicals and related products	0	---	---	0	---
3299 chem. products nec	0	---	---	0	---
Total crude materials, inedible except fuels	23	---	---	0	23
Subtotal forest products, wood and chips	23	---	---	0	23
4170 wood in the rough	23	---	---	---	23

WRANGELL NARROWS, AK
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Coastwise			
		Receipts	Shipments	Through	
				Upbound	Downbnd
4189 lumber	0	—	—	0	—
Subtotal other non-metal. min.	0	—	—	0	0
4900 non-metal. min. nec	0	—	—	0	0
Total primary manufactured goods	2	—	—	2	0
Subtotal paper products	0	—	—	0	0
5190 paper products nec	0	—	—	0	0
Subtotal lime, cement and glass	0	—	—	0	—
5210 lime	0	—	—	0	—
5290 misc. mineral prod.	0	—	—	0	—
Subtotal primary non-ferrous metal products	1	—	—	1	0
5480 fab. metal products	1	—	—	1	0
Total food and farm products	8	—	0	2	6
Subtotal fish	1	—	0	0	1
6134 fish (not shellfish)	1	—	0	0	1
Subtotal vegetable products	0	—	—	0	0
6654 vegetables & prod.	0	—	—	0	0
Subtotal other agricultural products	7	—	—	1	6
6811 meat, fresh, frozen	0	—	—	0	0
6835 fish, prepared	6	—	—	—	6
6858 fruit juices	0	—	—	0	0
6885 alcoholic beverages	1	—	—	1	—
6887 groceries	0	—	—	0	—
6889 food products nec	0	—	—	0	—
Total all manufactured equipment, machinery and products	2	0	0	2	0
7120 electrical machinery	0	—	—	0	—
7210 vehicles & parts	0	—	—	—	0
7230 ships & boats	0	—	—	0	0
7400 manufac. wood prod.	0	—	—	0	—
7500 textile products	0	—	—	0	—
7900 manufac. prod. nec	2	0	0	2	0
Ton-miles (x1000)	1,997	15	39	349	1,595
Coastwise					

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Total, all commodities	435	49	7	8	26	315	30
Total petroleum and petroleum products	178	17	0	0	1	159	1
Subtotal petroleum products	178	17	0	0	1	159	1
2211 gasoline	81	6	0	—	0	75	1
2330 distillate fuel oil	70	8	—	—	0	62	1
2340 residual fuel oil	14	3	—	—	—	11	—
2350 lube oil & greases	5	0	0	0	0	5	—
2430 asphalt, tar & pitch	0	—	—	—	—	0	0
2640 liquid natural gas	0	—	—	—	—	0	—
2990 petro. products nec	7	0	—	0	0	7	0
Total chemicals and related products	5	1	—	—	0	4	0
Subtotal fertilizers	1	0	—	—	—	0	—
3110 nitrogenous fert.	1	0	—	—	—	0	—
3190 fert. & mixes nec	0	—	—	—	—	0	—
Subtotal other chemicals and related products	4	1	—	—	0	3	0
3211 acyclic hydrocarbons	1	—	—	—	—	1	—
3220 alcohols	0	—	—	—	—	0	—
3260 organic comp. nec	0	—	—	—	—	0	—
3276 metallic salts	0	—	—	—	—	0	—
3282 pigments & paints	1	0	—	—	—	1	—
3284 medicines	0	—	—	—	—	0	—
3286 plastics	0	0	—	—	0	0	—
3293 explosives	1	—	—	—	—	0	0
3299 chem. products nec	2	1	—	—	—	1	0
Total crude materials, inedible except fuels	17	2	0	0	1	11	3
Subtotal forest products, wood and chips	11	0	0	0	0	9	1
4170 wood in the rough	1	—	—	—	—	0	1
4189 lumber	8	0	0	0	0	8	0
4190 forest products nec	2	0	—	0	0	2	—
Subtotal soil, sand, gravel, rock and stone	3	0	—	0	0	2	0
4331 sand & gravel	2	0	—	0	0	1	—
4338 soil & fill dirt	1	—	—	—	—	1	0

WRANGELL NARROWS, AK
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Internal					
		Inbound		Outbound		Through	
		Upbound	Downbnd	Upbound	Downbnd	Upbound	Downbnd
Subtotal iron ore and scrap	2	---	---	---	0	---	2
4420 iron & steel scrap	2	---	---	---	0	---	2
Subtotal other non-metal. min.	2	1	0	0	0	0	0
4900 non-metal. min. nec	2	1	0	0	0	0	0
Total primary manufactured goods	36	5	0	1	1	29	1
Subtotal paper products	5	1	0	0	0	3	0
5190 paper products nec	5	1	0	0	0	3	0
Subtotal lime, cement and glass	14	1	0	0	0	12	0
5220 cement & concrete	5	0	---	0	0	5	0
5240 glass & glass prod.	2	0	---	---	---	1	0
5290 misc. mineral prod.	7	1	0	0	0	6	0
Subtotal primary iron and steel products	1	---	---	---	---	1	---
5330 i&s plates & sheets	0	---	---	---	---	0	---
5370 i&s pipe & tube	1	---	---	---	---	1	---
Subtotal primary non-ferrous metal products	16	2	0	0	0	12	1
5421 copper	1	---	---	---	---	1	---
5480 fab. metal products	15	2	0	0	0	11	1
Subtotal primary wood products	0	---	---	---	---	0	---
5540 primary wood prod.	0	---	---	---	---	0	---
Total food and farm products	81	9	5	4	19	33	11
Subtotal fish	22	1	5	0	10	0	5
6134 fish (not shellfish)	22	1	5	0	10	0	5
Subtotal vegetable products	0	0	0	---	0	0	0
6654 vegetables & prod.	0	0	0	---	0	0	0
Subtotal processed grain and animal feed	0	---	---	---	---	0	---
6782 animal feed, prep.	0	---	---	---	---	0	---
Subtotal other agricultural products	59	9	0	4	8	33	6
6811 meat, fresh, frozen	0	0	0	---	0	0	0
6835 fish, prepared	8	1	---	---	8	0	0
6858 fruit juices	0	0	0	---	0	0	0
6885 alcoholic beverages	11	2	---	---	---	4	5
6887 groceries	39	6	0	4	0	28	1
6888 water & ice	0	---	---	---	---	---	0
6889 food products nec	1	0	0	0	---	0	0
6899 farm products nec	0	---	---	---	---	---	0
Total all manufactured equipment, machinery and products	115	16	1	3	6	79	11
7110 machinery (not elec)	6	0	0	0	0	4	1
7120 electrical machinery	5	1	---	---	0	4	0
7210 vehicles & parts	5	1	0	0	0	3	1
7230 ships & boats	0	0	0	0	0	0	0
7400 manufac. wood prod.	10	2	0	0	0	8	0
7500 textile products	2	0	---	---	---	1	1
7600 rubber & plastic pr.	1	0	---	---	---	1	---
7900 manufac. prod. nec	85	11	1	3	5	58	8
Total waste and scrap nec	3	---	---	---	0	---	3
8900 waste and scrap nec	3	---	---	---	0	---	3
Ton-miles (x1000)	10,322	1,083	25	30	556	7,866	762
Internal							
Tons All Traffic (x1000)							530
Ton-miles All Traffic (x1000)							12,319

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
1992	163	1995	192	1998	320	2001	576
1993	193	1996	465	1999	527		
1994	222	1997	583	2000	256		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Outbound	Inbound	Outbound	Inbound
Total, all commodities	354	340	5	10	
Total crude materials, inedible except fuels	354	340	5	10	
Subtotal forest products, wood and chips	174	168	---	6	
4161 wood chips	6	---	---	6	
4170 wood in the rough	168	168	---	---	
Subtotal soil, sand, gravel, rock and stone	5	---	5	---	
4331 sand & gravel	5	---	5	---	
Subtotal non-ferrous ores and scrap	176	172	---	4	
4690 non-ferrous ores nec	176	172	---	4	
Total food and farm products	0	0	0	---	
Subtotal fish	0	0	0	---	
6134 fish (not shellfish)	0	0	0	---	
Total all manufactured equipment, machinery and products	0	---	0	---	
7120 electrical machinery	0	---	0	---	

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Total, all commodities	222	33	3	157	26	2
Total petroleum and petroleum products	125	33	2	83	4	2
Subtotal petroleum products	125	33	2	83	4	2
2211 gasoline	78	19	1	54	2	2
2330 distillate fuel oil	44	14	1	26	2	---
2340 residual fuel oil	2	0	---	2	---	---
2350 lube oil & greases	0	---	---	0	0	---
2640 liquid natural gas	0	---	---	0	0	---
2990 petro. products nec	0	---	---	0	0	---
Total chemicals and related products	1	---	---	1	0	---
Subtotal fertilizers	0	---	---	0	---	---
3110 nitrogenous fert.	0	---	---	0	---	---
Subtotal other chemicals and related products	1	---	---	1	0	---
3220 alcohols	0	---	---	0	---	---
3282 pigments & paints	1	---	---	1	---	---
3284 medicines	0	---	---	0	---	---
3286 plastics	0	---	---	0	---	---
3293 explosives	0	---	---	0	---	---
3299 chem. products nec	0	---	---	0	0	---
Total crude materials, inedible except fuels	8	---	0	8	0	---
Subtotal forest products, wood and chips	6	---	0	6	0	---
4170 wood in the rough	0	---	---	0	---	---
4189 lumber	5	---	0	4	0	---
4190 forest products nec	2	---	---	2	0	---
Subtotal soil, sand, gravel, rock and stone	2	---	---	2	0	---
4331 sand & gravel	1	---	---	1	---	---
4338 soil & fill dirt	1	---	---	1	0	---
Subtotal iron ore and scrap	0	---	---	---	0	---
4420 iron & steel scrap	0	---	---	---	0	---
Subtotal other non-metal. min.	0	---	---	0	0	---
4900 non-metal. min. nec	0	---	---	0	0	---
Total primary manufactured goods	16	---	0	14	2	---
Subtotal paper products	3	---	---	3	0	---
5190 paper products nec	3	---	---	3	0	---
Subtotal lime, cement and glass	7	---	0	6	0	---
5220 cement & concrete	1	---	---	1	0	---
5240 glass & glass prod.	1	---	---	1	---	---
5290 misc. mineral prod.	5	---	0	5	0	---
Subtotal primary iron and steel products	0	---	---	0	---	---
5330 i&s plates & sheets	0	---	---	0	---	---
5370 i&s pipe & tube	0	---	---	0	---	---

JUNEAU HARBOR, AK
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Inbound Upbound	Outbound Downbnd	Intra Upbound
Subtotal primary non-ferrous metal products	5	---	---	4	1	---
5421 copper	1	---	---	1	---	---
5480 fab. metal products	5	---	---	3	1	---
Total food and farm products	28	---	0	19	9	---
Subtotal fish	2	---	---	0	2	---
6134 fish (not shellfish)	2	---	---	0	2	---
Subtotal vegetable products	0	---	---	0	0	---
6654 vegetables & prod.	0	---	---	0	0	---
Subtotal processed grain and animal feed	0	---	---	0	---	---
6782 animal feed, prep.	0	---	---	0	---	---
Subtotal other agricultural products	27	---	0	19	8	---
6811 meat, fresh, frozen	0	---	---	0	0	---
6835 fish, prepared	0	---	---	0	0	---
6858 fruit juices	0	---	---	0	0	---
6885 alcoholic beverages	9	---	0	2	6	---
6887 groceries	18	---	0	17	1	---
6889 food products nec	0	---	---	0	0	---
6899 farm products nec	0	---	---	---	0	---
Total all manufactured equipment, machinery and products	44	0	0	33	11	---
7110 machinery (not elec)	4	0	---	3	1	---
7120 electrical machinery	3	---	0	3	0	---
7210 vehicles & parts	2	0	---	2	0	---
7230 ships & boats	0	0	0	0	0	---
7400 manufac. wood prod.	5	---	---	5	0	---
7500 textile products	1	---	---	1	---	---
7600 rubber & plastic pr.	0	---	---	0	0	---
7900 manufac. prod. nec	29	0	0	20	9	---
Total waste and scrap nec	0	---	---	---	0	---
8900 waste and scrap 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
1992	93,737	1995	80,955	1998	61,946	2001	50,977
1993	85,722	1996	77,116	1999	53,392		
1994	85,096	1997	73,647	2000	48,081		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign Outbound	Domestic				
			Total	Coastwise		Internal	
				Receipts	Shipments	Shipments	Intraport
Total, all commodities	50,977	3	50,975	12	50,943	1	18
Total petroleum and petroleum products	50,975	---	50,975	12	50,943	1	18
Subtotal crude petroleum	50,635	---	50,635	---	50,635	---	---
2100 crude petroleum	50,635	---	50,635	---	50,635	---	---
Subtotal petroleum products	340	---	340	12	308	1	18
2211 gasoline	208	---	208	0	208	0	---
2330 distillate fuel oil	124	---	124	11	93	1	18
2340 residual fuel oil	7	---	7	---	7	---	---
Total food and farm products	3	3	---	---	---	---	---
Subtotal fish	1	1	---	---	---	---	---
6134 fish (not shellfish)	1	1	---	---	---	---	---
Subtotal other agricultural products	1	1	---	---	---	---	---
6835 fish, prepared	1	1	---	---	---	---	---

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
1992	686	1995	928	1998	380	2001	641
1993	862	1996	877	1999	614		
1994	961	1997	842	2000	721		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Domestic		
		Inbound	Outbound	Total	Coastwise	
					Receipts	Shipments
Total, all commodities	641	4	625	13	9	4
Total coal	622	---	622	---	---	---
1100 coal lignite	622	---	622	---	---	---
Total petroleum and petroleum products	0	---	---	0	0	---
Subtotal petroleum products	0	---	---	0	0	---
2350 lube oil & greases	0	---	---	0	0	---
2990 petro. products nec	0	---	---	0	0	---
Total crude materials, inedible except fuels	4	---	---	4	1	3
Subtotal forest products, wood and chips	1	---	---	1	1	0
4189 lumber	1	---	---	1	1	0
4190 forest products nec	0	---	---	0	0	---
Subtotal soil, sand, gravel, rock and stone	3	---	---	3	---	3
4331 sand & gravel	3	---	---	3	---	3
Total primary manufactured goods	6	4	---	2	1	0
Subtotal lime, cement and glass	1	---	---	1	1	0
5290 misc. mineral prod.	1	---	---	1	1	0
Subtotal primary iron and steel products	4	4	---	0	---	0
5370 i&s pipe & tube	4	4	---	0	---	0
Subtotal primary non-ferrous metal products	0	---	---	0	0	---
5480 fab. metal products	0	---	---	0	0	---
Total food and farm products	3	---	3	0	0	0
Subtotal fish	3	---	3	0	---	0
6134 fish (not shellfish)	3	---	3	0	---	0
Subtotal processed grain and animal feed	0	---	0	0	0	---
6782 animal feed, prep.	0	---	0	0	0	---
Subtotal other agricultural products	0	---	0	---	---	---
6835 fish, prepared	0	---	0	---	---	---
Total all manufactured equipment, machinery and products	6	---	---	6	6	0
7110 machinery (not elec)	5	---	---	5	5	0
7210 vehicles & parts	0	---	---	0	0	0
7400 manufac. wood prod.	1	---	---	1	1	0
7900 manufac. prod. nec	0	---	---	0	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
1992	287	1995	501	1998	338	2001	524
1993	472	1996	397	1999	271		
1994	377	1997	302	2000	557		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Inbound	Outbound	Outbound	Total	Coastwise		Internal Receipts
						Receipts	Shipments	
Total, all commodities	523	59	201	172	91	6	52	34
Total coal	78	---	78	---	---	---	---	---
1100 coal lignite	78	---	78	---	---	---	---	---
Total petroleum and petroleum products	146	59	---	---	87	2	51	33
Subtotal crude petroleum	59	59	---	---	---	---	---	---
2100 crude petroleum	59	59	---	---	---	---	---	---

HOMER, AK
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic			
		Inbound	Outbound	Outbound	Total	Coastwise		Internal Receipts
						Receipts	Shipments	
Subtotal petroleum products	87	---	---	---	87	2	51	33
2211 gasoline	30	---	---	---	30	2	11	17
2330 distillate fuel oil	15	---	---	---	15	0	1	15
2340 residual fuel oil	2	---	---	---	2	---	---	2
2429 naphtha & solvents	40	---	---	---	40	---	40	---
Total chemicals and related products	24	---	24	---	---	---	---	---
Subtotal fertilizers	24	---	24	---	---	---	---	---
3110 nitrogenous fert.	24	---	24	---	---	---	---	---
Total crude materials, inedible except fuels	254	---	82	172	0	0	0	0
Subtotal forest products, wood and chips	133	---	82	51	0	0	0	---
4161 wood chips	82	---	82	---	---	---	---	---
4170 wood in the rough	17	---	---	17	---	---	---	---
4189 lumber	34	---	---	34	0	0	0	---
Subtotal pulp and waste paper	121	---	---	121	---	---	---	---
4225 pulp & waste paper	121	---	---	121	---	---	---	---
Subtotal iron ore and scrap	0	---	---	---	0	---	---	0
4420 iron & steel scrap	0	---	---	---	0	---	---	0
Total primary manufactured goods	4	---	---	---	4	4	0	0
Subtotal lime, cement and glass	4	---	---	---	4	4	0	0
5290 misc. mineral prod.	4	---	---	---	4	4	0	0
Subtotal primary iron and steel products	0	---	---	---	0	---	0	---
5370 i&s pipe & tube	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	0	---	---	---	0	---	0	---
Subtotal other agricultural products	0	---	---	---	0	---	0	---
6899 farm products nec	0	---	---	---	0	---	0	---
Total all manufactured equipment, machinery and products	17	---	16	---	1	0	0	0
7110 machinery (not elec)	7	---	7	---	0	0	0	0
7210 vehicles & parts	10	---	10	---	0	0	0	0
7220 aircraft & parts	0	---	---	---	0	---	---	0
7400 manufac. wood prod.	0	---	---	---	0	0	0	---
Total waste and scrap nec	0	---	---	---	0	---	---	0
8900 waste and scrap nec	0	---	---	---	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 mhw.

Comparative Statement of Traffic (thousand short tons)

Year	Total	Year	Total	Year	Total	Year	Total
1992	2,540	1995	3,222	1998	3,589	2001	2,861
1993	2,470	1996	3,401	1999	3,701		
1994	2,559	1997	3,424	2000	3,157		

Freight Traffic, 2001 (thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound*	Inbound	Outbound
Total, all commodities	704	172	432	53	46
Total petroleum and petroleum products	428	45	371	12	---
Subtotal petroleum products	428	45	371	12	---
2211 gasoline	335	---	335	---	---
2221 kerosene	16	16	---	---	---
2330 distillate fuel oil	30	30	---	---	---
2340 residual fuel oil	11	---	---	11	---
2429 naphtha & solvents	36	---	36	---	---
2430 asphalt, tar & pitch	0	---	---	0	---

ANCHORAGE, AK
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Foreign		Canadian	
		Inbound	Outbound*	Inbound	Outbound
2640 liquid natural gas	1	—	—	1	—
Total chemicals and related products	52	0	36	16	—
Subtotal fertilizers	40	—	36	4	—
3110 nitrogenous fert.	38	—	36	2	—
3130 potassic fert.	2	—	—	2	—
Subtotal other chemicals and related products	12	0	—	12	—
3220 alcohols	7	—	—	7	—
3230 carboxylic acids	0	0	—	—	—
3240 nitrogen func. comp.	0	0	—	—	—
3250 organo - inorg. comp.	0	—	—	0	—
3276 metallic salts	3	0	—	3	—
3286 plastics	1	0	—	1	—
Total crude materials, inedible except fuels	62	—	—	16	46
Subtotal forest products, wood and chips	26	—	—	1	25
4170 wood in the rough	8	—	—	0	7
4189 lumber	18	—	—	1	17
Subtotal pulp and waste paper	21	—	—	—	21
4225 pulp & waste paper	21	—	—	—	21
Subtotal other non-metal. min.	15	—	—	15	—
4900 non-metal. min. nec	15	—	—	15	—
Total primary manufactured goods	132	125	—	7	—
Subtotal paper products	1	1	—	—	—
5190 paper products nec	1	1	—	—	—
Subtotal lime, cement and glass	125	122	—	3	—
5210 lime	1	—	—	1	—
5220 cement & concrete	122	122	—	0	—
5290 misc. mineral prod.	2	—	—	2	—
Subtotal primary iron and steel products	2	2	—	—	—
5370 i&s pipe & tube	2	2	—	—	—
Subtotal primary non-ferrous metal products	0	0	—	0	—
5480 fab. metal products	0	0	—	0	—
Subtotal primary wood products	4	—	—	4	—
5540 primary wood prod.	4	—	—	4	—
Total food and farm products	28	1	25	1	—
Subtotal fish	24	0	23	0	—
6134 fish (not shellfish)	24	—	23	0	—
6136 shellfish	0	0	—	—	—
Subtotal grain	0	—	0	—	—
6344 corn	0	—	0	—	—
Subtotal processed grain and animal feed	1	—	—	1	—
6746 wheat flour	1	—	—	1	—
Subtotal other agricultural products	2	1	2	—	—
6835 fish, prepared	2	—	2	—	—
6889 food products nec	1	1	—	—	—
Total all manufactured equipment, machinery and products	0	0	—	0	0
7110 machinery (not elec)	0	0	—	0	—
7120 electrical machinery	0	0	—	—	—
7210 vehicles & parts	0	0	—	0	—
7220 aircraft & parts	0	—	—	—	0
7500 textile products	0	0	—	—	—
7600 rubber & plastic pr.	0	0	—	—	—
7900 manufac. prod. nec	0	0	—	—	—
Total unknown or not elsewhere classified	1	0	0	1	—
9900 unknown or nec	1	0	0	1	—

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total, all commodities	2,157	1,775	362	6	12	2
Total petroleum and petroleum products	518	262	237	6	12	2
Subtotal petroleum products	518	262	237	6	12	2
2211 gasoline	331	208	109	6	6	2
2330 distillate fuel oil	152	38	108	0	5	0
2340 residual fuel oil	18	—	18	—	1	—
2350 lube oil & greases	15	15	0	—	—	—
2990 petro. products nec	3	1	2	—	—	—
Total chemicals and related products	25	22	2	—	—	—
Subtotal other chemicals and related products	25	22	2	—	—	—
3220 alcohols	6	6	—	—	—	—
3286 plastics	0	0	0	—	—	—
3299 chem. products nec	19	16	2	—	—	—

ANCHORAGE, AK
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Total	Domestic				
		Coastwise		Internal		
		Receipts	Shipments	Receipts	Shipments	Intraport
Total crude materials, inedible except fuels	69	61	8	---	---	---
Subtotal forest products, wood and chips	62	61	1	---	---	---
4189 lumber	61	60	1	---	---	---
4190 forest products nec	1	1	0	---	---	---
Subtotal soil, sand, gravel, rock and stone	0	0	0	---	---	---
4331 sand & gravel	0	0	0	---	---	---
Subtotal iron ore and scrap	7	---	7	---	---	---
4420 iron & steel scrap	7	---	7	---	---	---
Subtotal other non-metal. min.	0	0	0	---	---	---
4900 non-metal. min. nec	0	0	0	---	---	---
Total primary manufactured goods	137	132	5	---	---	---
Subtotal paper products	17	17	---	---	---	---
5190 paper products nec	17	17	---	---	---	---
Subtotal lime, cement and glass	52	51	1	---	---	---
5220 cement & concrete	0	0	0	---	---	---
5240 glass & glass prod.	1	1	---	---	---	---
5290 misc. mineral prod.	51	50	1	---	---	---
Subtotal primary non-ferrous metal products	68	64	4	---	---	---
5480 fab. metal products	68	64	4	---	---	---
Subtotal primary wood products	1	1	---	---	---	---
5540 primary wood prod.	1	1	---	---	---	---
Total food and farm products	338	314	24	---	---	---
Subtotal fish	17	0	17	---	---	---
6134 fish (not shellfish)	17	0	17	---	---	---
Subtotal processed grain and animal feed	0	0	---	---	---	---
6782 animal feed, prep.	0	0	---	---	---	---
Subtotal other agricultural products	320	313	7	---	---	---
6835 fish, prepared	11	4	7	---	---	---
6839 animals & prod. nec	1	1	---	---	---	---
6885 alcoholic beverages	0	---	0	---	---	---
6887 groceries	309	309	0	---	---	---
Total all manufactured equipment, machinery and products	1,055	973	81	---	0	0
7110 machinery (not elec)	5	3	2	---	---	---
7210 vehicles & parts	6	3	3	---	---	---
7230 ships & boats	0	0	0	---	---	---
7400 manufac. wood prod.	51	50	1	---	---	---
7900 manufac. prod. nec	993	917	76	---	0	0
Total unknown or not elsewhere classified	16	10	6	---	---	---
9900 unknown or nec	16	10	6	---	---	---

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

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
1992	1,179	1995	743	1998	895	2001	899
1993	1,035	1996	939	1999	793		
1994	861	1997	1,275	2000	655		

Freight Traffic, 2001 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian Outbound	Domestic				
		Inbound	Outbound		Total	Coastwise		Internal	
				Receipts		Shipments	Shipments	Intraport	
Total, all commodities	899	2	480	7	410	279	121	1	9
Total petroleum and petroleum products	281	---	41	---	240	208	22	1	9
Subtotal petroleum products	281	---	41	---	240	208	22	1	9
2211 gasoline	55	---	---	---	55	39	14	---	2
2330 distillate fuel oil	184	---	---	---	184	169	8	1	6
2340 residual fuel oil	1	---	---	---	1	---	---	---	1

UNALASKA BAY AND ISLAND, AK
 Freight Traffic, 2001 - continued
 (thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Inbound	Outbound	Outbound	Total	Coastwise		Internal	
						Receipts	Shipments	Shipments	Intraport
2640 liquid natural gas	41	—	41	—	—	—	—	—	—
Total chemicals and related products	4	0	4	—	0	0	—	—	—
Subtotal fertilizers	3	—	3	—	—	—	—	—	—
3120 phosphatic fert.	3	—	3	—	—	—	—	—	—
Subtotal other chemicals and related products	1	0	1	—	0	0	—	—	—
3240 nitrogen func. comp.	0	0	—	—	—	—	—	—	—
3260 organic comp. nec	0	0	—	—	—	—	—	—	—
3276 metallic salts	0	0	—	—	—	—	—	—	—
3284 medicines	1	—	1	—	—	—	—	—	—
3286 plastics	0	0	—	—	—	—	—	—	—
3299 chem. products nec	0	—	—	—	0	0	—	—	—
Total crude materials, inedible except fuels	6	—	0	—	6	5	1	—	—
Subtotal forest products, wood and chips	1	—	—	—	1	0	1	—	—
4189 lumber	1	—	—	—	1	0	1	—	—
Subtotal marine shells	0	—	0	—	—	—	—	—	—
4515 marine shells	0	—	0	—	—	—	—	—	—
Subtotal other non-metal. min.	5	—	—	—	5	5	0	—	—
4900 non-metal. min. nec	5	—	—	—	5	5	0	—	—
Total primary manufactured goods	12	0	0	—	11	10	1	—	—
Subtotal paper products	5	0	0	—	5	5	—	—	—
5190 paper products nec	5	0	0	—	5	5	—	—	—
Subtotal lime, cement and glass	1	—	—	—	1	0	1	—	—
5290 misc. mineral prod.	1	—	—	—	1	0	1	—	—
Subtotal primary iron and steel products	0	—	—	—	0	0	—	—	—
5370 i&s pipe & tube	0	—	—	—	0	0	—	—	—
Subtotal primary non-ferrous metal products	5	0	—	—	5	5	1	—	—
5480 fab. metal products	5	0	—	—	5	5	1	—	—
Total food and farm products	474	1	433	7	32	4	28	—	—
Subtotal fish	314	1	274	7	31	3	28	—	—
6134 fish (not shellfish)	309	—	271	7	31	3	27	—	—
6136 shellfish	4	1	3	—	0	—	0	—	—
Subtotal grain	0	—	0	—	—	—	—	—	—
6344 corn	0	—	0	—	—	—	—	—	—
Subtotal vegetable products	0	—	—	—	0	0	—	—	—
6654 vegetables & prod.	0	—	—	—	0	0	—	—	—
Subtotal processed grain and animal feed	26	—	26	—	—	—	—	—	—
6782 animal feed, prep.	26	—	26	—	—	—	—	—	—
Subtotal other agricultural products	134	0	133	—	1	0	0	—	—
6811 meat, fresh, frozen	0	—	0	—	0	0	—	—	—

UNALASKA BAY AND ISLAND, AK
Freight Traffic, 2001 - continued
(thousand short tons)

Commodity	Grand Total	Foreign		Canadian	Domestic				
		Inbound	Outbound	Outbound	Total	Coastwise		Internal	
						Receipts	Shipments	Shipments	Intraport
6835 fish, prepared	125	—	125	—	—	—	—	—	—
6838 tallow, animal oils	7	—	7	—	—	—	—	—	—
6839 animals & prod. nec	0	—	0	—	0	0	0	—	—
6858 fruit juices	0	—	0	—	0	0	—	—	—
6887 groceries	0	—	—	—	0	0	—	—	—
6889 food products nec	0	0	0	—	—	—	—	—	—
Total all manufactured equipment, machinery and products	121	0	0	—	121	52	69	—	0
7110 machinery (not elec)	2	0	0	—	2	2	—	—	—
7120 electrical machinery	0	0	—	—	—	—	—	—	—
7210 vehicles & parts	0	0	0	—	0	0	—	—	—
7220 aircraft & parts	0	—	0	—	—	—	—	—	—
7230 ships & boats	0	—	—	—	0	0	—	—	—
7400 manufac. wood prod.	1	0	—	—	1	0	1	—	—
7500 textile products	0	0	—	—	—	—	—	—	—
7600 rubber & plastic pr.	0	0	0	—	—	—	—	—	—
7900 manufac. prod. nec	118	0	0	—	118	50	68	—	0
Total unknown or not elsewhere classified	1	0	1	—	0	0	—	—	—
9900 unknown or nec	1	0	1	—	0	0	—	—	—

Other Harbors and Waterways 2001

Harbor or Waterway Project	Commodity	Thousand Short Tons
BETHEL HARBOR, AK	2211 gasoline	29
	2330 distillate fuel oil	3
	2350 lube oil & greases	0
	2640 liquid natural gas	0
	2990 petro. products nec	0
	3286 plastics	0
	4161 wood chips	0
	4170 wood in the rough	0
	4189 lumber	10
	4190 forest products nec	0
	4331 sand & gravel	14
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	7
	5330 i&s plates & sheets	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	1
	5540 primary wood prod.	0
	6782 animal feed, prep.	0
	6887 groceries	1
	7110 machinery (not elec)	7
	7120 electrical machinery	0
	7210 vehicles & parts	1
	7230 ships & boats	0
	7400 manufac. wood prod.	7
	7500 textile products	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	6
Total Tons(x1000)	87	
CORDOVA HARBOR, AK	2211 gasoline	6
	2330 distillate fuel oil	11
	2340 residual fuel oil	1
	6134 fish (not shellfish)	6
	6887 groceries	0
	7900 manufac. prod. nec	4
	9900 unknown or nec	0
	Total Tons(x1000)	28
CRAIG HARBOR, AK	2211 gasoline	7
	2330 distillate fuel oil	5
	2340 residual fuel oil	2
	4900 non-metal. min. nec	0
	5480 fab. metal products	0
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6858 fruit juices	0
	7900 manufac. prod. nec	0
	Total Tons(x1000)	14
DILLINGHAM HARBOR, AK	2211 gasoline	9
	2330 distillate fuel oil	1
	2350 lube oil & greases	0
	2640 liquid natural gas	5
	2990 petro. products nec	0
	3286 plastics	0
	4189 lumber	1
	4331 sand & gravel	0
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5290 misc. mineral prod.	1
	5480 fab. metal products	1
	6134 fish (not shellfish)	0
	6835 fish, prepared	2
	6885 alcoholic beverages	0
	6887 groceries	0
	7110 machinery (not elec)	1
	7210 vehicles & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	1

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
DILLINGHAM HARBOR, AK - continued	7900 manufac. prod. nec	2
	Total Tons(x1000)	24
DOUGLAS HARBOR, AK	4338 soil & fill dirt	1
	7110 machinery (not elec)	0
	Total Tons(x1000)	1
DRY PASS, AK	No Commerce Reported	
EGEGIK RIVER, AK	2211 gasoline	0
	2330 distillate fuel oil	1
	3286 plastics	0
	4189 lumber	0
	4190 forest products nec	0
	4331 sand & gravel	0
	4900 non-metal. min. nec	0
	5220 cement & concrete	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	0
	6835 fish, prepared	3
	6885 alcoholic beverages	0
	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	2
	2330 distillate fuel oil	3
	2340 residual fuel oil	1
	2350 lube oil & greases	0
	3190 fert. & mixes nec	0
	4170 wood in the rough	94
	4189 lumber	0
	4331 sand & gravel	3
	4420 iron & steel scrap	0
	5190 paper products nec	0
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	0
	6887 groceries	0
	6889 food products nec	0
	7110 machinery (not elec)	0
7400 manufac. wood prod.	0	
7900 manufac. prod. nec	1	
	Total Tons(x1000)	105
HUMBOLDT HARBOR, AK	2211 gasoline	2
	2330 distillate fuel oil	6
	3120 phosphatic fert.	1
	3284 medicines	1
	3286 plastics	0
	4900 non-metal. min. nec	0
	5190 paper products nec	0
5480 fab. metal products	2	
6134 fish (not shellfish)	14	

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
HUMBOLDT HARBOR, AK - continued	6136 shellfish	1
	6654 vegetables & prod.	0
	6782 animal feed, prep.	8
	6811 meat, fresh, frozen	0
	6835 fish, prepared	10
	6838 tallow, animal oils	1
	6858 fruit juices	0
	6889 food products nec	0
	7900 manufac. prod. nec	3
	9900 unknown or nec	0
	Total Tons(x1000)	50
KAKE HARBOR, AK	2211 gasoline	1
	2330 distillate fuel oil	1
	2340 residual fuel oil	1
	2350 lube oil & greases	0
	2430 asphalt, tar & pitch	0
	3293 explosives	0
	4161 wood chips	6
	4170 wood in the rough	1
	4189 lumber	0
	4420 iron & steel scrap	0
	5190 paper products nec	0
	5290 misc. mineral prod.	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	0
	6134 fish (not shellfish)	0
	6885 alcoholic beverages	0
	6887 groceries	1
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7230 ships & boats	0
7400 manufac. wood prod.	0	
7600 rubber & plastic pr.	0	
7900 manufac. prod. nec	1	
Total Tons(x1000)	14	
KING COVE LAGOON, AK	2211 gasoline	15
	2330 distillate fuel oil	31
	2640 liquid natural gas	0
	4189 lumber	0
	4900 non-metal. min. nec	1
	5190 paper products nec	1
	5480 fab. metal products	1
	6134 fish (not shellfish)	3
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6858 fruit juices	0
	7900 manufac. prod. nec	1
	9900 unknown or nec	0
Total Tons(x1000)	52	
KODIAK HARBOR, AK	2211 gasoline	38
	2330 distillate fuel oil	55
	2340 residual fuel oil	5
	3299 chem. products nec	0
	4189 lumber	0
	4900 non-metal. min. nec	0
	5190 paper products nec	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	1
	6134 fish (not shellfish)	1
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6839 animals & prod. nec	0
	6858 fruit juices	0
	7110 machinery (not elec)	1
	7210 vehicles & parts	0
	7400 manufac. wood prod.	0
7900 manufac. prod. nec	72	
9900 unknown or nec	0	
Total Tons(x1000)	173	

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
METLAKATLA HARBOR, AK	2211 gasoline	2
	2330 distillate fuel oil	1
	3299 chem. products nec	0
	4110 rubber & gums	0
	4189 lumber	0
	4338 soil & fill dirt	1
	5240 glass & glass prod.	0
	5480 fab. metal products	2
	6889 food products nec	1
	7110 machinery (not elec)	0
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7400 manufac. wood prod.	0
	7600 rubber & plastic pr.	0
	7900 manufac. prod. nec	2
Total Tons(x1000)	9	
NAKNEK RIVER, AK	2211 gasoline	16
	2330 distillate fuel oil	10
	2350 lube oil & greases	0
	2640 liquid natural gas	0
	2990 petro. products nec	0
	3286 plastics	0
	4189 lumber	0
	4331 sand & gravel	3
	4900 non-metal. min. nec	0
	5190 paper products nec	1
	5220 cement & concrete	0
	5290 misc. mineral prod.	0
	5480 fab. metal products	1
	6134 fish (not shellfish)	4
	6654 vegetables & prod.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	9
	6858 fruit juices	0
	6885 alcoholic beverages	0
	6887 groceries	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	1
7900 manufac. prod. nec	7	
Total Tons(x1000)	54	
Total Ton-miles(x1000)	127	
NINILCHIK HARBOR, AK	No Commerce Reported	
NOME, AK	2211 gasoline	43
	2330 distillate fuel oil	11
	2350 lube oil & greases	0
	2990 petro. products nec	0
	3286 plastics	0
	4189 lumber	1
	4190 forest products nec	0
	4331 sand & gravel	72
	5220 cement & concrete	0
	5290 misc. mineral prod.	1
	5480 fab. metal products	0
	6885 alcoholic beverages	0
	6887 groceries	0
	7110 machinery (not elec)	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	1
7900 manufac. prod. nec	1	
Total Tons(x1000)	131	
OLD HARBOR, AK	2211 gasoline	0
	2330 distillate fuel oil	1
	5480 fab. metal products	0
	7110 machinery (not elec)	0
Total Tons(x1000)	1	

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
PELICAN HARBOR, AK	2211 gasoline 2330 distillate fuel oil 2340 residual fuel oil 2640 liquid natural gas 3211 acyclic hydrocarbons 4189 lumber 5190 paper products nec 5480 fab. metal products 6134 fish (not shellfish) 6887 groceries 7900 manufac. prod. nec	0 0 0 0 0 0 0 0 0 0
	Total Tons(x1000)	1
PETERSBURG HARBOR, AK	2211 gasoline 2330 distillate fuel oil 2340 residual fuel oil 2350 lube oil & greases 2990 petro. products nec 3110 nitrogenous fert. 3282 pigments & paints 3286 plastics 3299 chem. products nec 4189 lumber 4190 forest products nec 4331 sand & gravel 4420 iron & steel scrap 4900 non-metal. min. nec 5190 paper products nec 5220 cement & concrete 5240 glass & glass prod. 5290 misc. mineral prod. 5480 fab. metal products 6134 fish (not shellfish) 6654 vegetables & prod. 6811 meat, fresh, frozen 6835 fish, prepared 6858 fruit juices 6885 alcoholic beverages 6887 groceries 6889 food products nec 7110 machinery (not elec) 7120 electrical machinery 7210 vehicles & parts 7230 ships & boats 7400 manufac. wood prod. 7500 textile products 7600 rubber & plastic pr. 7900 manufac. prod. nec 8900 waste and scrap nec	7 10 3 0 0 0 0 0 1 0 0 1 0 1 1 0 1 3 17 0 0 8 0 2 10 0 1 1 1 0 2 0 0 19 0
	Total Tons(x1000)	93
PORT ALEXANDER, AK	No Commerce Reported	
SELDOVIA HARBOR, AK	2211 gasoline 2330 distillate fuel oil 4189 lumber 5290 misc. mineral prod. 7110 machinery (not elec) 7400 manufac. wood prod. 8900 waste and scrap nec	1 1 0 0 0 0 0
	Total Tons(x1000)	2
SERGIUS AND WHITESTONE NARROWS, AK	2211 gasoline 2330 distillate fuel oil 2340 residual fuel oil 2350 lube oil & greases 2430 asphalt, tar & pitch 2640 liquid natural gas 2990 petro. products nec 3110 nitrogenous fert. 3211 acyclic hydrocarbons 3220 alcohols	24 28 6 4 0 0 0 0 1 0

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons	
SERGIUS AND WHITESTONE NARROWS, AK - continued	3260 organic comp. nec	0	
	3276 metallic salts	0	
	3282 pigments & paints	1	
	3284 medicines	0	
	3293 explosives	0	
	3299 chem. products nec	1	
	4170 wood in the rough	0	
	4189 lumber	5	
	4190 forest products nec	0	
	4331 sand & gravel	0	
	4420 iron & steel scrap	2	
	4900 non-metal. min. nec	0	
	5190 paper products nec	4	
	5210 lime	0	
	5220 cement & concrete	4	
	5240 glass & glass prod.	1	
	5290 misc. mineral prod.	3	
	5370 i&s pipe & tube	1	
	5421 copper	1	
	5480 fab. metal products	11	
	5540 primary wood prod.	0	
	6134 fish (not shellfish)	8	
	6136 shellfish	0	
	6654 vegetables & prod.	0	
	6811 meat, fresh, frozen	0	
	6858 fruit juices	0	
	6885 alcoholic beverages	3	
	6887 groceries	23	
	6888 water & ice	0	
	6889 food products nec	1	
	7110 machinery (not elec)	5	
	7120 electrical machinery	4	
	7210 vehicles & parts	3	
	7230 ships & boats	0	
	7400 manufac. wood prod.	5	
	7500 textile products	2	
	7600 rubber & plastic pr.	1	
	7900 manufac. prod. nec	55	
	8900 waste and scrap nec	1	
		Total Tons(x1000)	207
		Total Ton-miles(x1000)	2,605
	SITKA HARBOR, AK	2211 gasoline	15
		2330 distillate fuel oil	16
		2340 residual fuel oil	5
		2350 lube oil & greases	0
		2430 asphalt, tar & pitch	0
2990 petro. products nec		0	
3110 nitrogenous fert.		0	
3211 acyclic hydrocarbons		1	
3260 organic comp. nec		0	
3282 pigments & paints		0	
3293 explosives		0	
3299 chem. products nec		0	
4189 lumber		2	
4190 forest products nec		0	
4331 sand & gravel		7	
4338 soil & fill dirt		0	
4420 iron & steel scrap		2	
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	
5370 i&s pipe & tube		1	
5480 fab. metal products		2	
6134 fish (not shellfish)		8	
6136 shellfish		0	
6654 vegetables & prod.		0	
6811 meat, fresh, frozen		0	
6858 fruit juices		0	
6887 groceries		8	
6888 water & ice		0	
6889 food products nec		1	
7110 machinery (not elec)		2	
7120 electrical machinery	1		
7210 vehicles & parts	2		
7230 ships & boats	0		

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Project	Commodity	Thousand Short Tons
SITKA HARBOR, AK - continued	7400 manufac. wood prod.	2
	7500 textile products	1
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	15
	8900 waste and scrap nec	1
	Total Tons(x1000)	93
SKAGWAY HARBOR, AK	2211 gasoline	22
	2221 kerosene	2
	2330 distillate fuel oil	36
	2340 residual fuel oil	3
	2350 lube oil & greases	1
	2990 petro. products nec	9
	3276 metallic salts	0
	4189 lumber	1
	4900 non-metal. min. nec	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	0
	5370 i&s pipe & tube	0
	5480 fab. metal products	1
	5540 primary wood prod.	0
	6885 alcoholic beverages	1
	6887 groceries	1
	7110 machinery (not elec)	1
	7120 electrical machinery	0
	7210 vehicles & parts	0
	7230 ships & boats	0
	7400 manufac. wood prod.	0
7900 manufac. prod. nec	5	
Total Tons(x1000)	84	
STIKINE RIVER, AK	No Commerce Reported	
WRANGELL HARBOR, AK	2211 gasoline	4
	2330 distillate fuel oil	4
	2340 residual fuel oil	1
	2350 lube oil & greases	0
	2990 petro. products nec	0
	3211 acyclic hydrocarbons	0
	3286 plastics	0
	3299 chem. products nec	0
	4110 rubber & gums	0
	4170 wood in the rough	1
	4189 lumber	1
	4190 forest products nec	0
	4225 pulp & waste paper	0
	4331 sand & gravel	0
	4782 clay & refrac. mat.	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
	5480 fab. metal products	1
	6134 fish (not shellfish)	1
	6136 shellfish	0
	6835 fish, prepared	1
	6885 alcoholic beverages	0
	6887 groceries	2
	6888 water & ice	0
	6889 food products nec	2
	6899 farm products nec	0
	7110 machinery (not elec)	1
	7120 electrical machinery	0
7210 vehicles & parts	0	
7230 ships & boats	0	
7400 manufac. wood prod.	1	
7500 textile products	0	
7600 rubber & plastic pr.	0	
7900 manufac. prod. nec	4	
8900 waste and scrap nec	1	
Total Tons(x1000)	24	

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons	
CHATHAM STRAIT, AK	2211 gasoline	52	
	2330 distillate fuel oil	53	
	2340 residual fuel oil	10	
	2350 lube oil & greases	2	
	2430 asphalt, tar & pitch	0	
	2640 liquid natural gas	0	
	2990 petro. products nec	1	
	3110 nitrogenous fert.	0	
	3190 fert. & mixes nec	0	
	3211 acyclic hydrocarbons	1	
	3260 organic comp. nec	0	
	3282 pigments & paints	0	
	3286 plastics	0	
	3293 explosives	1	
	3299 chem. products nec	1	
	4161 wood chips	12	
	4170 wood in the rough	262	
	4189 lumber	27	
	4190 forest products nec	1	
	4331 sand & gravel	5	
	4420 iron & steel scrap	2	
	4690 non-ferrous ores nec	176	
	4900 non-metal. min. nec	1	
	5190 paper products nec	2	
	5210 lime	0	
	5220 cement & concrete	4	
	5240 glass & glass prod.	0	
	5290 misc. mineral prod.	25	
	5370 i&s pipe & tube	1	
	5480 fab. metal products	13	
	6134 fish (not shellfish)	8	
	6136 shellfish	0	
	6654 vegetables & prod.	0	
	6782 animal feed, prep.	0	
	6811 meat, fresh, frozen	0	
	6835 fish, prepared	5	
	6858 fruit juices	0	
	6885 alcoholic beverages	1	
	6887 groceries	10	
	6888 water & ice	0	
	6889 food products nec	1	
	7110 machinery (not elec)	4	
	7120 electrical machinery	1	
	7210 vehicles & parts	4	
	7230 ships & boats	1	
	7400 manufac. wood prod.	26	
	7500 textile products	1	
	7600 rubber & plastic pr.	1	
	7900 manufac. prod. nec	67	
	8900 waste and scrap nec	1	
		Total Tons(x1000)	784
		Total Ton-miles(x1000)	42,224
	CLARENCE STRAIT, AK	2211 gasoline	113
		2330 distillate fuel oil	96
		2340 residual fuel oil	15
2350 lube oil & greases		6	
2430 asphalt, tar & pitch		0	
2640 liquid natural gas		0	
2990 petro. products nec		8	
3110 nitrogenous fert.		1	
3190 fert. & mixes nec		0	
3211 acyclic hydrocarbons		1	
3220 alcohols		0	
3260 organic comp. nec		0	
3276 metallic salts		0	
3282 pigments & paints		1	
3284 medicines		0	
3286 plastics		0	
3293 explosives		1	
3299 chem. products nec		2	
4110 rubber & gums		0	
4170 wood in the rough		20	
4189 lumber	33		
4190 forest products nec	2		
4225 pulp & waste paper	0		
4331 sand & gravel	5		
4338 soil & fill dirt	0		

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons	
CLARENCE STRAIT, AK - continued	4420 iron & steel scrap	2	
	4782 clay & refrac. mat.	0	
	4900 non-metal. min. nec	2	
	5190 paper products nec	6	
	5210 lime	0	
	5220 cement & concrete	5	
	5240 glass & glass prod.	3	
	5290 misc. mineral prod.	32	
	5330 i&s plates & sheets	0	
	5370 i&s pipe & tube	1	
	5421 copper	1	
	5480 fab. metal products	25	
	5540 primary wood prod.	0	
	6134 fish (not shellfish)	17	
	6136 shellfish	0	
	6654 vegetables & prod.	0	
	6782 animal feed, prep.	0	
	6811 meat, fresh, frozen	0	
	6835 fish, prepared	19	
	6858 fruit juices	0	
	6885 alcoholic beverages	13	
	6887 groceries	40	
	6888 water & ice	0	
	6889 food products nec	3	
	7110 machinery (not elec)	13	
	7120 electrical machinery	6	
	7210 vehicles & parts	7	
	7230 ships & boats	1	
	7400 manufac. wood prod.	36	
	7500 textile products	2	
	7600 rubber & plastic pr.	1	
	7900 manufac. prod. nec	124	
	8900 waste and scrap nec	3	
		Total Tons(x1000)	668
		Total Ton-miles(x1000)	46,644
	FREDERICK SOUND, AK	2211 gasoline	99
		2330 distillate fuel oil	82
		2340 residual fuel oil	13
		2350 lube oil & greases	5
		2430 asphalt, tar & pitch	0
2640 liquid natural gas		0	
2990 petro. products nec		7	
3110 nitrogenous fert.		0	
3190 fert. & mixes nec		0	
3211 acyclic hydrocarbons		1	
3220 alcohols		0	
3260 organic comp. nec		0	
3276 metallic salts		0	
3282 pigments & paints		1	
3284 medicines		0	
3286 plastics		0	
3293 explosives		1	
3299 chem. products nec		1	
4161 wood chips		12	
4170 wood in the rough		192	
4189 lumber		8	
4190 forest products nec		2	
4331 sand & gravel		6	
4338 soil & fill dirt		1	
4420 iron & steel scrap		2	
4690 non-ferrous ores nec		176	
4900 non-metal. min. nec		1	
5190 paper products nec		4	
5210 lime		0	
5220 cement & concrete		5	
5240 glass & glass prod.		1	
5290 misc. mineral prod.		7	
5330 i&s plates & sheets		0	
5370 i&s pipe & tube		1	
5421 copper		1	
5480 fab. metal products		14	
5540 primary wood prod.	0		
6134 fish (not shellfish)	12		
6654 vegetables & prod.	0		
6782 animal feed, prep.	0		
6811 meat, fresh, frozen	0		
6835 fish, prepared	6		

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
FREDERICK SOUND, AK - continued	6858 fruit juices	0
	6885 alcoholic beverages	10
	6887 groceries	33
	6888 water & ice	0
	6889 food products nec	1
	6899 farm products nec	0
	7110 machinery (not elec)	6
	7120 electrical machinery	4
	7210 vehicles & parts	4
	7230 ships & boats	0
	7400 manufac. wood prod.	8
	7500 textile products	2
	7600 rubber & plastic pr.	1
	7900 manufac. prod. nec	73
	8900 waste and scrap nec	3
	Total Tons(x1000)	803
	Total Ton-miles(x1000)	38,564
ICY BAY, AK	4170 wood in the rough	345
	4189 lumber	80
	7110 machinery (not elec)	0
	Total Tons(x1000)	425
	Total Ton-miles(x1000)	1,455
ICY STRAIT, AK	2211 gasoline	59
	2221 kerosene	2
	2330 distillate fuel oil	64
	2340 residual fuel oil	2
	2350 lube oil & greases	4
	2640 liquid natural gas	0
	2990 petro. products nec	3
	3110 nitrogenous fert.	0
	3190 fert. & mixes nec	0
	3211 acyclic hydrocarbons	0
	3282 pigments & paints	0
	3286 plastics	0
	3299 chem. products nec	0
	4170 wood in the rough	94
	4189 lumber	25
	4190 forest products nec	1
	4331 sand & gravel	3
	4420 iron & steel scrap	0
	4900 non-metal. min. nec	1
	5190 paper products nec	2
	5220 cement & concrete	0
	5240 glass & glass prod.	0
	5290 misc. mineral prod.	25
	5370 i&s pipe & tube	0
	5480 fab. metal products	11
	6134 fish (not shellfish)	3
	6136 shellfish	0
	6654 vegetables & prod.	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	11
	6858 fruit juices	0
	6885 alcoholic beverages	2
	6887 groceries	3
	6889 food products nec	0
7110 machinery (not elec)	3	
7120 electrical machinery	0	
7210 vehicles & parts	2	
7230 ships & boats	1	
7400 manufac. wood prod.	26	
7500 textile products	0	
7900 manufac. prod. nec	30	
8900 waste and scrap nec	2	
	Total Tons(x1000)	379
	Total Ton-miles(x1000)	15,968
KIVILINA, AK	2211 gasoline	19
	2330 distillate fuel oil	3
	2340 residual fuel oil	14
	4690 non-ferrous ores nec	1,322
	5210 lime	0
	5429 smelted prod. nec	1,325

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
KIVILINA, AK - continued	7900 manufac. prod. nec	1
	Total Tons(x1000)	2,683
NIKISHKA, AK	2100 crude petroleum	2,147
	2211 gasoline	280
	2221 kerosene	42
	2330 distillate fuel oil	411
	2340 residual fuel oil	395
	2350 lube oil & greases	346
	2640 liquid natural gas	1,324
	2990 petro. products nec	127
	3110 nitrogenous fert.	653
	3260 organic comp. nec	13
	3273 ammonia	621
	6134 fish (not shellfish)	10
	6136 shellfish	0
	6835 fish, prepared	0
	6839 animals & prod. nec	0
	6889 food products nec	0
	7500 textile products	0
	Total Tons(x1000)	6,371
REVILLAGIGADO CHANNEL, AK	2211 gasoline	117
	2330 distillate fuel oil	115
	2340 residual fuel oil	71
	2350 lube oil & greases	7
	2640 liquid natural gas	44
	2990 petro. products nec	2
	3110 nitrogenous fert.	1
	3190 fert. & mixes nec	0
	3211 acyclic hydrocarbons	1
	3220 alcohols	0
	3230 carboxylic acids	0
	3260 organic comp. nec	0
	3273 ammonia	65
	3276 metallic salts	0
	3282 pigments & paints	1
	3284 medicines	0
	3286 plastics	0
	3293 explosives	0
	3299 chem. products nec	2
	4110 rubber & gums	0
	4161 wood chips	10
	4170 wood in the rough	28
	4189 lumber	34
	4190 forest products nec	2
	4225 pulp & waste paper	3
	4331 sand & gravel	22
	4338 soil & fill dirt	2
	4420 iron & steel scrap	2
	4782 clay & refrac. mat.	0
	4900 non-metal. min. nec	2
	5190 paper products nec	7
	5210 lime	0
	5220 cement & concrete	6
	5240 glass & glass prod.	3
	5290 misc. mineral prod.	32
	5330 i&s plates & sheets	0
	5370 i&s pipe & tube	1
	5421 copper	1
	5480 fab. metal products	34
	5540 primary wood prod.	0
	6134 fish (not shellfish)	24
	6136 shellfish	0
	6654 vegetables & prod.	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	26
	6858 fruit juices	0
	6885 alcoholic beverages	16
	6887 groceries	46
	6888 water & ice	0
	6889 food products nec	8
	7110 machinery (not elec)	13
	7120 electrical machinery	7

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
REVILLAGIGADO CHANNEL, AK - continued	7210 vehicles & parts	13
	7230 ships & boats	1
	7400 manufac. wood prod.	38
	7500 textile products	3
	7600 rubber & plastic pr.	2
	7900 manufac. prod. nec	172
	8900 waste and scrap nec	4
	9900 unknown or nec	0
	Total Tons(x1000)	990
	Total Ton-miles(x1000)	43,488
STEPHENS PASSAGE, AK	2211 gasoline	88
	2330 distillate fuel oil	64
	2340 residual fuel oil	4
	2350 lube oil & greases	5
	2640 liquid natural gas	0
	2990 petro. products nec	7
	3110 nitrogenous fert.	0
	3211 acyclic hydrocarbons	0
	3220 alcohols	0
	3276 metallic salts	0
	3282 pigments & paints	1
	3284 medicines	0
	3286 plastics	0
	3293 explosives	0
	3299 chem. products nec	1
	4161 wood chips	6
	4170 wood in the rough	168
	4189 lumber	6
	4190 forest products nec	2
	4331 sand & gravel	6
	4338 soil & fill dirt	1
	4420 iron & steel scrap	0
	4690 non-ferrous ores nec	176
	4900 non-metal. min. nec	0
	5190 paper products nec	3
	5220 cement & concrete	5
	5240 glass & glass prod.	1
	5290 misc. mineral prod.	6
	5330 i&s plates & sheets	0
	5370 i&s pipe & tube	0
	5421 copper	1
	5480 fab. metal products	10
	5540 primary wood prod.	0
	6134 fish (not shellfish)	4
	6654 vegetables & prod.	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	6
	6858 fruit juices	0
	6885 alcoholic beverages	11
	6887 groceries	24
	6889 food products nec	0
	6899 farm products nec	0
	7110 machinery (not elec)	5
	7120 electrical machinery	3
	7210 vehicles & parts	2
	7230 ships & boats	0
7400 manufac. wood prod.	7	
7500 textile products	1	
7600 rubber & plastic pr.	0	
7900 manufac. prod. nec	62	
8900 waste and scrap nec	2	
Total Tons(x1000)	689	
Total Ton-miles(x1000)	46,843	
SUMNER STRAIT, AK	2211 gasoline	112
	2330 distillate fuel oil	96
	2340 residual fuel oil	17
	2350 lube oil & greases	6
	2430 asphalt, tar & pitch	0
	2640 liquid natural gas	0
	2990 petro. products nec	8
	3110 nitrogenous fert.	1
	3190 fert. & mixes nec	0
	3211 acyclic hydrocarbons	1
	3220 alcohols	0

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons	
SUMNER STRAIT, AK - continued	3260 organic comp. nec	0	
	3276 metallic salts	0	
	3282 pigments & paints	1	
	3284 medicines	0	
	3286 plastics	0	
	3293 explosives	1	
	3299 chem. products nec	2	
	4170 wood in the rough	24	
	4189 lumber	33	
	4190 forest products nec	2	
	4331 sand & gravel	2	
	4338 soil & fill dirt	1	
	4420 iron & steel scrap	2	
	4900 non-metal. min. nec	3	
	5190 paper products nec	7	
	5210 lime	0	
	5220 cement & concrete	5	
	5240 glass & glass prod.	2	
	5290 misc. mineral prod.	31	
	5330 i&s plates & sheets	0	
	5370 i&s pipe & tube	1	
	5421 copper	1	
	5480 fab. metal products	24	
	5540 primary wood prod.	0	
	6134 fish (not shellfish)	18	
	6654 vegetables & prod.	0	
	6782 animal feed, prep.	0	
	6811 meat, fresh, frozen	0	
	6835 fish, prepared	19	
	6858 fruit juices	0	
	6885 alcoholic beverages	12	
	6887 groceries	37	
	6888 water & ice	0	
	6889 food products nec	1	
	6899 farm products nec	0	
	7110 machinery (not elec)	8	
	7120 electrical machinery	5	
	7210 vehicles & parts	7	
	7230 ships & boats	1	
	7400 manufac. wood prod.	35	
	7500 textile products	2	
	7600 rubber & plastic pr.	1	
	7900 manufac. prod. nec	109	
	8900 waste and scrap nec	3	
		Total Tons(x1000)	642
		Total Ton-miles(x1000)	18,158
	TONGASS NARROWS, AK	2211 gasoline	182
		2330 distillate fuel oil	179
		2340 residual fuel oil	87
		2350 lube oil & greases	7
2430 asphalt, tar & pitch		0	
2640 liquid natural gas		2	
2990 petro. products nec		8	
3110 nitrogenous fert.		1	
3190 fert. & mixes nec		0	
3211 acyclic hydrocarbons		1	
3220 alcohols		0	
3230 carboxylic acids		0	
3260 organic comp. nec		0	
3273 ammonia		26	
3276 metallic salts		0	
3282 pigments & paints		1	
3284 medicines		0	
3286 plastics		0	
3293 explosives		1	
3299 chem. products nec		2	
4110 rubber & gums		0	
4161 wood chips		10	
4170 wood in the rough		41	
4189 lumber		34	
4190 forest products nec		2	
4225 pulp & waste paper		0	
4331 sand & gravel		25	
4338 soil & fill dirt	3		
4420 iron & steel scrap	2		
4782 clay & refrac. mat.	0		
4900 non-metal. min. nec	2		

Other Harbors and Waterways 2001 - continued

Harbor or Waterway Non-project	Commodity	Thousand Short Tons
TONGASS NARROWS, AK - continued	5190 paper products nec	7
	5210 lime	0
	5220 cement & concrete	6
	5240 glass & glass prod.	3
	5290 misc. mineral prod.	32
	5330 i&s plates & sheets	0
	5370 i&s pipe & tube	1
	5421 copper	1
	5480 fab. metal products	32
	5540 primary wood prod.	0
	6134 fish (not shellfish)	24
	6136 shellfish	0
	6654 vegetables & prod.	0
	6782 animal feed, prep.	0
	6811 meat, fresh, frozen	0
	6835 fish, prepared	26
	6858 fruit juices	0
	6885 alcoholic beverages	16
	6887 groceries	46
	6888 water & ice	0
	6889 food products nec	8
	7110 machinery (not elec)	18
	7120 electrical machinery	7
	7210 vehicles & parts	13
	7230 ships & boats	1
	7400 manufac. wood prod.	38
	7500 textile products	3
	7600 rubber & plastic pr.	2
	7900 manufac. prod. nec	180
	8900 waste and scrap nec	4
	9900 unknown or nec	0
	Total Tons(x1000)	1,086
	Total Ton-miles(x1000)	10,468

Section 2

Trips and Drafts of Vessels

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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												
Grand Total	Inbound						Outbound					
	13,742	11,560	7	1,928	158	89	13,759	11,579	8	1,925	163	84
FOREIGN												
Total	952	641	—	205	67	39	991	661	—	214	75	41
40	1	1	—	—	—	—	—	—	—	—	—	—
37	1	1	—	—	—	—	2	2	—	—	—	—
36	1	1	—	—	—	—	1	1	—	—	—	—
35	10	10	—	—	—	—	5	5	—	—	—	—
34	10	10	—	—	—	—	5	5	—	—	—	—
33	5	5	—	—	—	—	3	3	—	—	—	—
32	7	7	—	—	—	—	5	5	—	—	—	—
31	4	4	—	—	—	—	4	4	—	—	—	—
30	5	5	—	—	—	—	6	6	—	—	—	—
29	9	9	—	—	—	—	6	6	—	—	—	—
28	6	6	—	—	—	—	13	13	—	—	—	—
27	16	16	—	—	—	—	12	12	—	—	—	—
26	135	135	—	—	—	—	165	162	—	3	—	—
25	45	45	—	—	—	—	43	43	—	—	—	—
24	48	48	—	—	—	—	51	51	—	—	—	—
23	59	59	—	—	—	—	57	57	—	—	—	—
22	19	19	—	—	—	—	17	17	—	—	—	—
21	9	9	—	—	—	—	14	14	—	—	—	—
20	16	16	—	—	—	—	17	17	—	—	—	—
19	9	9	—	—	—	—	7	7	—	—	—	—
18	537	226	—	205	67	39	558	231	—	211	75	41
DOMESTIC												
Total	12,790	10,919	7	1,723	91	50	12,768	10,918	8	1,711	88	43
36	4	—	4	—	—	—	—	—	—	—	—	—
27	1	—	1	—	—	—	—	—	—	—	—	—
26	1	—	1	—	—	—	—	—	—	—	—	—
24	1	—	1	—	—	—	—	—	—	—	—	—
20	2	—	—	2	—	—	2	—	1	1	—	—
19	7	—	—	7	—	—	7	—	—	7	—	—
18	12,774	10,919	—	1,714	91	50	12,759	10,918	7	1,703	88	43
Total trips:											27,501	
LONG BEACH HARBOR, CA												
Grand Total	Inbound						Outbound					
	22,020	4,146	577	13,891	2,330	1,076	22,280	4,358	580	13,901	2,324	1,117
FOREIGN												
Total	1,998	1,604	321	37	36	—	2,023	1,611	337	41	34	—
60	7	—	7	—	—	—	1	—	1	—	—	—
59	1	—	1	—	—	—	1	—	1	—	—	—
58	2	—	2	—	—	—	—	—	—	—	—	—
56	1	—	1	—	—	—	1	—	1	—	—	—
55	5	—	5	—	—	—	—	—	—	—	—	—
54	6	—	6	—	—	—	—	—	—	—	—	—
53	3	—	3	—	—	—	1	—	1	—	—	—
52	6	—	6	—	—	—	—	—	—	—	—	—
51	2	—	2	—	—	—	—	—	—	—	—	—
50	2	—	2	—	—	—	—	—	—	—	—	—
49	2	—	2	—	—	—	2	—	2	—	—	—
48	3	—	3	—	—	—	2	—	2	—	—	—
47	1	—	1	—	—	—	1	—	1	—	—	—
45	3	—	3	—	—	—	2	—	2	—	—	—
44	7	2	5	—	—	—	3	—	3	—	—	—
43	4	2	2	—	—	—	1	—	1	—	—	—
42	16	11	5	—	—	—	11	6	5	—	—	—
41	46	37	9	—	—	—	8	6	2	—	—	—
40	60	44	16	—	—	—	44	31	13	—	—	—
39	51	35	16	—	—	—	50	49	1	—	—	—
38	98	61	37	—	—	—	53	47	6	—	—	—
37	95	69	26	—	—	—	47	42	5	—	—	—
36	141	106	35	—	—	—	88	77	11	—	—	—

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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

35	127	107	20	—	—	—	90	82	8	—	—	—
34	122	111	11	—	—	—	131	120	11	—	—	—
33	132	113	19	—	—	—	93	85	6	2	—	—
32	126	108	18	—	—	—	180	161	19	—	—	—
31	96	91	5	—	—	—	100	94	6	—	—	—
30	74	67	7	—	—	—	122	106	16	—	—	—
29	77	70	7	—	—	—	72	55	17	—	—	—
28	125	118	7	—	—	—	120	92	28	—	—	—
27	96	92	4	—	—	—	112	73	39	—	—	—
26	79	77	2	—	—	—	137	106	31	—	—	—
25	90	83	7	—	—	—	94	65	29	—	—	—
24	50	47	3	—	—	—	100	75	25	—	—	—
23	34	31	3	—	—	—	63	49	14	—	—	—
22	34	29	5	—	—	—	54	46	8	—	—	—
21	28	28	—	—	—	—	47	41	6	—	—	—
20	22	20	2	—	—	—	48	36	10	—	2	—
19	20	16	4	—	—	—	20	18	2	—	—	—
18	104	29	2	37	36	—	124	49	4	39	32	—

DOMESTIC

Total	20,022	2,542	256	13,854	2,294	1,076	20,257	2,747	243	13,860	2,290	1,117
60	3	—	3	—	—	—	—	—	—	—	—	—
59	5	—	5	—	—	—	—	—	—	—	—	—
58	23	—	23	—	—	—	—	—	—	—	—	—
57	11	—	11	—	—	—	—	—	—	—	—	—
56	3	—	3	—	—	—	—	—	—	—	—	—
55	1	—	1	—	—	—	—	—	—	—	—	—
54	1	—	1	—	—	—	—	—	—	—	—	—
53	2	—	2	—	—	—	—	—	—	—	—	—
52	6	—	6	—	—	—	—	—	—	—	—	—
51	7	—	7	—	—	—	—	—	—	—	—	—
50	1	—	1	—	—	—	—	—	—	—	—	—
49	1	—	1	—	—	—	1	—	1	—	—	—
48	3	—	3	—	—	—	1	—	1	—	—	—
47	3	—	3	—	—	—	—	—	—	—	—	—
46	3	—	3	—	—	—	—	—	—	—	—	—
44	—	—	—	—	—	—	2	—	2	—	—	—
43	3	—	3	—	—	—	5	—	5	—	—	—
42	3	—	3	—	—	—	3	—	3	—	—	—
41	1	—	1	—	—	—	1	—	1	—	—	—
40	12	—	12	—	—	—	6	—	6	—	—	—
39	6	—	6	—	—	—	10	—	10	—	—	—
38	14	—	14	—	—	—	9	—	9	—	—	—
37	4	—	4	—	—	—	5	—	5	—	—	—
36	12	—	12	—	—	—	10	—	10	—	—	—
35	8	—	8	—	—	—	2	—	2	—	—	—
34	5	—	5	—	—	—	4	—	4	—	—	—
33	11	—	11	—	—	—	8	—	8	—	—	—
32	9	—	9	—	—	—	8	—	8	—	—	—
31	3	—	3	—	—	—	10	—	10	—	—	—
30	6	—	6	—	—	—	4	—	4	—	—	—
29	1	—	1	—	—	—	7	—	7	—	—	—
28	50	42	8	—	—	—	48	42	6	—	—	—
27	3	—	3	—	—	—	17	—	17	—	—	—
26	4	—	4	—	—	—	15	—	15	—	—	—
25	5	—	5	—	—	—	5	—	5	—	—	—
24	3	—	3	—	—	—	1	—	1	—	—	—
23	5	—	5	—	—	—	4	—	4	—	—	—
22	3	—	3	—	—	—	6	—	6	—	—	—
21	6	—	5	—	—	1	23	—	23	—	—	—
20	19	—	—	18	—	1	25	—	1	22	—	2
19	17	—	1	12	—	4	20	—	3	13	—	4
18	19,736	2,500	48	13,824	2,294	1,070	19,997	2,705	66	13,825	2,290	1,111
										Total trips:		44,300

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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													
			Inbound						Outbound				
Grand Total	21,371	7,651	383	11,522	412	1,403	21,236	7,561	389	11,520	408	1,358	
FOREIGN													
Total	2,117	1,899	204	6	5	3	2,090	1,866	216	4	3	1	
54	7	—	7	—	—	—	1	—	1	—	—	—	
53	4	—	4	—	—	—	—	—	—	—	—	—	
52	3	—	3	—	—	—	1	1	—	—	—	—	
51	2	—	2	—	—	—	—	—	—	—	—	—	
50	1	—	1	—	—	—	—	—	—	—	—	—	
48	1	—	1	—	—	—	—	—	—	—	—	—	
46	3	—	3	—	—	—	—	—	—	—	—	—	
45	1	1	—	—	—	—	3	3	—	—	—	—	
44	2	2	—	—	—	—	7	1	6	—	—	—	
43	7	6	1	—	—	—	5	2	3	—	—	—	
42	11	9	2	—	—	—	7	1	6	—	—	—	
41	28	27	1	—	—	—	8	7	1	—	—	—	
40	33	29	4	—	—	—	19	14	5	—	—	—	
39	73	68	5	—	—	—	35	31	4	—	—	—	
38	105	88	17	—	—	—	66	63	3	—	—	—	
37	130	107	23	—	—	—	50	50	—	—	—	—	
36	142	125	17	—	—	—	89	85	4	—	—	—	
35	82	74	8	—	—	—	84	81	3	—	—	—	
34	113	97	16	—	—	—	108	94	14	—	—	—	
33	127	118	9	—	—	—	125	122	3	—	—	—	
32	126	117	7	—	—	—	205	196	8	1	—	—	
31	91	83	8	—	—	—	116	115	1	—	—	—	
30	83	68	15	—	—	—	106	96	10	—	—	—	
29	107	101	6	—	—	—	112	106	6	—	—	—	
28	96	84	11	—	1	—	95	77	17	—	1	—	
27	86	81	5	—	—	—	75	67	8	—	—	—	
26	95	92	3	—	—	—	118	84	34	—	—	—	
25	167	160	7	—	—	—	180	164	15	—	—	1	
24	71	67	4	—	—	—	88	69	19	—	—	—	
23	140	136	4	—	—	—	139	126	13	—	—	—	
22	180	159	10	6	4	1	248	211	32	3	2	—	
DOMESTIC													
Total	19,254	5,752	179	11,516	407	1,400	19,146	5,695	173	11,516	405	1,357	
39	3	—	3	—	—	—	—	—	—	—	—	—	
38	2	—	2	—	—	—	2	—	2	—	—	—	
37	5	1	4	—	—	—	3	—	3	—	—	—	
36	3	2	1	—	—	—	3	1	2	—	—	—	
35	2	1	1	—	—	—	1	—	1	—	—	—	
34	10	3	7	—	—	—	9	7	2	—	—	—	
33	15	2	13	—	—	—	9	5	4	—	—	—	
32	18	5	13	—	—	—	15	10	5	—	—	—	
31	11	4	7	—	—	—	26	22	4	—	—	—	
30	18	7	11	—	—	—	33	29	4	—	—	—	
29	14	9	5	—	—	—	31	24	7	—	—	—	
28	23	20	3	—	—	—	21	20	1	—	—	—	
27	17	15	2	—	—	—	15	10	5	—	—	—	
26	39	30	6	—	—	3	8	3	5	—	—	—	
25	14	10	4	—	—	—	10	4	6	—	—	—	
24	13	11	2	—	—	—	8	2	6	—	—	—	
23	13	12	1	—	—	—	9	1	8	—	—	—	
22	19,034	5,620	94	11,516	407	1,397	18,943	5,557	108	11,516	405	1,357	
										Total trips:		42,607	
PORT HUENEME, CA													
			Inbound						Outbound				
Grand Total	3,324	3,229	5	44	36	10	3,330	3,233	5	47	35	10	
FOREIGN													
Total	294	288	5	1	—	—	298	292	5	—	1	—	
34	5	1	4	—	—	—	—	—	—	—	—	—	
33	1	1	—	—	—	—	2	2	—	—	—	—	

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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												
32	2	2	—	—	—	—	3	1	2	—	—	—
31	3	2	1	—	—	—	1	—	1	—	—	—
30	4	4	—	—	—	—	3	3	—	—	—	—
29	20	20	—	—	—	—	3	3	—	—	—	—
28	35	35	—	—	—	—	58	58	—	—	—	—
27	47	47	—	—	—	—	25	25	—	—	—	—
26	52	52	—	—	—	—	27	26	1	—	—	—
25	45	45	—	—	—	—	28	28	—	—	—	—
24	34	34	—	—	—	—	52	51	1	—	—	—
23	17	17	—	—	—	—	42	42	—	—	—	—
22	7	7	—	—	—	—	20	20	—	—	—	—
21	5	5	—	—	—	—	7	7	—	—	—	—
20	5	5	—	—	—	—	13	13	—	—	—	—
19	4	4	—	—	—	—	3	3	—	—	—	—
18	8	7	—	1	—	—	11	10	—	—	1	—
DOMESTIC												
Total	3,030	2,941	—	43	36	10	3,032	2,941	—	47	34	10
18	3,030	2,941	—	43	36	10	3,032	2,941	—	47	34	10
Total trips:											6,654	

MISSION BAY, CA
(11 feet and less)

Inbound							Outbound					
Grand Total	9	—	—	9	—	—	8	—	—	8	—	—
Total trips:											17	

MORRO BAY HARBOR, CA
(7 feet and less)

Inbound							Outbound					
Grand Total	162	3	—	81	78	—	160	3	—	80	77	—
Total trips:											322	

NEWPORT BAY HARBOR, CA
(13 feet and less)

Inbound							Outbound					
Grand Total	310	310	—	—	—	—	310	310	—	—	—	—
Total trips:											620	

REDONDO BEACH, CA
No Vessel Trips Reported

SANTA BARBARA HARBOR, CA
(8 feet and less)

Inbound							Outbound					
Grand Total	6	6	—	—	—	—	6	6	—	—	—	—
Total trips:											12	

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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	551	454	---	50	47	---	562	469	---	47	46	---

FOREIGN

Total	24	24	---	---	---	---	39	39	---	---	---	---
31	---	---	---	---	---	---	1	1	---	---	---	---
30	1	1	---	---	---	---	7	7	---	---	---	---
29	4	4	---	---	---	---	5	5	---	---	---	---
28	4	4	---	---	---	---	2	2	---	---	---	---
27	---	---	---	---	---	---	2	2	---	---	---	---
26	1	1	---	---	---	---	4	4	---	---	---	---
25	5	5	---	---	---	---	5	5	---	---	---	---
24	2	2	---	---	---	---	1	1	---	---	---	---
23	2	2	---	---	---	---	2	2	---	---	---	---
22	1	1	---	---	---	---	3	3	---	---	---	---
21	2	2	---	---	---	---	2	2	---	---	---	---
20	---	---	---	---	---	---	3	3	---	---	---	---
18	1	1	---	---	---	---	2	2	---	---	---	---
8	1	1	---	---	---	---	---	---	---	---	---	---

DOMESTIC

Total	527	430	---	50	47	---	523	430	---	47	46	---
15	1	---	---	1	---	---	1	---	---	1	---	---
12	1	---	---	1	---	---	---	---	---	---	---	---
11	1	---	---	---	1	---	---	---	---	---	---	---
9	1	---	---	1	---	---	1	---	---	1	---	---
8	2	---	---	2	---	---	2	---	---	2	---	---
7	1	---	---	---	1	---	---	---	---	---	---	---
6	520	430	---	45	45	---	519	430	---	43	46	---

Total trips: 1,113

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CA

			Upbound						Downbound			
Grand Total	24	24	---	---	---	---	39	39	---	---	---	---

FOREIGN

Total	24	24	---	---	---	---	39	39	---	---	---	---
31	---	---	---	---	---	---	1	1	---	---	---	---
30	1	1	---	---	---	---	7	7	---	---	---	---
29	4	4	---	---	---	---	5	5	---	---	---	---
28	4	4	---	---	---	---	2	2	---	---	---	---
27	---	---	---	---	---	---	2	2	---	---	---	---
26	1	1	---	---	---	---	4	4	---	---	---	---
25	5	5	---	---	---	---	5	5	---	---	---	---
24	2	2	---	---	---	---	1	1	---	---	---	---
23	2	2	---	---	---	---	2	2	---	---	---	---
22	1	1	---	---	---	---	3	3	---	---	---	---
21	2	2	---	---	---	---	2	2	---	---	---	---
20	---	---	---	---	---	---	3	3	---	---	---	---
18	1	1	---	---	---	---	2	2	---	---	---	---
8	1	1	---	---	---	---	---	---	---	---	---	---

Total trips: 63

SACRAMENTO, CA

			Inbound						Outbound			
Grand Total	454	454	---	---	---	---	469	469	---	---	---	---

FOREIGN

Total	24	24	---	---	---	---	39	39	---	---	---	---
31	---	---	---	---	---	---	1	1	---	---	---	---
30	1	1	---	---	---	---	7	7	---	---	---	---
29	4	4	---	---	---	---	5	5	---	---	---	---

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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, CA - continued

	Inbound						Outbound					
FOREIGN												
28	4	4	—	—	—	—	2	2	—	—	—	—
27	—	—	—	—	—	—	2	2	—	—	—	—
26	1	1	—	—	—	—	4	4	—	—	—	—
25	5	5	—	—	—	—	5	5	—	—	—	—
24	2	2	—	—	—	—	1	1	—	—	—	—
23	2	2	—	—	—	—	2	2	—	—	—	—
22	1	1	—	—	—	—	3	3	—	—	—	—
21	2	2	—	—	—	—	2	2	—	—	—	—
20	—	—	—	—	—	—	3	3	—	—	—	—
18	1	1	—	—	—	—	2	2	—	—	—	—
8	1	1	—	—	—	—	—	—	—	—	—	—
DOMESTIC												
Total	430	430	—	—	—	—	430	430	—	—	—	—
6	430	430	—	—	—	—	430	430	—	—	—	—
											Total trips:	923

SAN JOAQUIN RIVER, CA

	Upbound						Downbound					
Grand Total	300	130	48	90	14	18	224	88	19	85	15	17
FOREIGN												
Total	146	98	48	—	—	—	90	69	19	1	1	—
36	—	—	—	—	—	—	1	1	—	—	—	—
35	1	—	1	—	—	—	—	—	—	—	—	—
34	11	5	6	—	—	—	5	5	—	—	—	—
33	19	14	5	—	—	—	6	4	—	1	1	—
32	15	8	7	—	—	—	5	5	—	—	—	—
31	26	21	5	—	—	—	2	—	—	—	—	—
30	13	10	3	—	—	—	4	4	—	—	—	—
29	4	1	3	—	—	—	4	4	—	—	—	—
28	10	5	5	—	—	—	2	2	—	—	—	—
27	8	3	5	—	—	—	3	1	2	—	—	—
26	6	4	2	—	—	—	6	4	2	—	—	—
25	4	3	1	—	—	—	11	8	3	—	—	—
24	9	7	2	—	—	—	10	8	2	—	—	—
23	3	3	—	—	—	—	3	2	1	—	—	—
22	3	2	1	—	—	—	13	8	5	—	—	—
21	3	3	—	—	—	—	3	2	1	—	—	—
20	2	1	1	—	—	—	4	3	1	—	—	—
19	1	1	—	—	—	—	4	2	2	—	—	—
18	1	1	—	—	—	—	1	1	—	—	—	—
17	5	5	—	—	—	—	2	2	—	—	—	—
14	1	1	—	—	—	—	—	—	—	—	—	—
12	1	—	1	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	154	32	—	90	14	18	134	19	—	84	14	17
33	—	—	—	—	—	—	1	1	—	—	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—
18	3	—	—	3	—	—	2	—	—	2	—	—
17	20	—	—	20	—	—	16	—	—	16	—	—
16	2	—	—	—	—	2	—	—	—	—	—	—
15	4	—	—	3	—	1	3	—	—	3	—	—
13	4	—	—	3	—	1	3	—	—	3	—	—
12	120	31	—	61	14	14	109	18	—	60	14	17
											Total trips:	524

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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													
			Inbound						Outbound				
Grand Total	166	82	38	23	5	18	113	55	14	21	6	17	
FOREIGN													
Total	108	70	38	—	—	—	59	43	14	1	1	—	
34	11	5	6	—	—	—	1	1	—	—	—	—	
33	18	13	5	—	—	—	5	3	—	1	1	—	
32	12	5	7	—	—	—	—	—	—	—	—	—	
31	9	4	5	—	—	—	—	—	—	—	—	—	
30	10	8	2	—	—	—	4	4	—	—	—	—	
29	4	1	3	—	—	—	1	1	—	—	—	—	
28	8	4	4	—	—	—	2	2	—	—	—	—	
27	5	2	3	—	—	—	2	1	1	—	—	—	
26	5	4	1	—	—	—	6	4	2	—	—	—	
25	3	3	—	—	—	—	6	4	2	—	—	—	
24	7	6	1	—	—	—	7	6	1	—	—	—	
23	2	2	—	—	—	—	2	1	1	—	—	—	
22	2	2	—	—	—	—	11	7	4	—	—	—	
21	2	2	—	—	—	—	2	1	1	—	—	—	
20	1	1	—	—	—	—	3	2	1	—	—	—	
19	1	1	—	—	—	—	3	2	1	—	—	—	
18	8	7	1	—	—	—	4	4	—	—	—	—	
DOMESTIC													
Total	58	12	—	23	5	18	54	12	—	20	5	17	
33	—	—	—	—	—	—	1	1	—	—	—	—	
23	1	1	—	—	—	—	—	—	—	—	—	—	
18	57	11	—	23	5	18	53	11	—	20	5	17	
										Total trips:		279	

MIDDLE RIVER, CA
No Vessel Trips Reported

MOKELUMNE RIVER, CA
(6 feet and less)

	Upbound						Downbound					
Grand Total	5	2	—	3	—	—	6	3	—	3	—	—
										Total trips:		11

OLD RIVER, CA
No Vessel Trips Reported

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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	3,806	2,419	767	327	17	276	3,708	2,340	738	334	14	282
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FOREIGN

Total	2,669	2,188	455	12	8	6	2,568	2,107	444	9	6	2
47	1	—	1	—	—	—	—	—	—	—	—	—
45	2	1	1	—	—	—	1	—	1	—	—	—
43	13	—	13	—	—	—	1	—	1	—	—	—
42	14	5	9	—	—	—	3	2	1	—	—	—
41	17	10	7	—	—	—	6	6	—	—	—	—
40	16	9	7	—	—	—	14	12	2	—	—	—
39	46	33	13	—	—	—	44	43	1	—	—	—
38	71	49	22	—	—	—	52	48	4	—	—	—
37	75	51	24	—	—	—	55	52	3	—	—	—
36	165	118	47	—	—	—	149	138	11	—	—	—
35	136	107	29	—	—	—	141	138	3	—	—	—
34	148	132	16	—	—	—	151	133	18	—	—	—
33	205	181	24	—	—	—	266	188	76	1	1	—
32	287	259	28	—	—	—	256	238	18	—	—	—
31	197	178	19	—	—	—	166	156	10	—	—	—
30	226	199	27	—	—	—	192	160	32	—	—	—
29	161	141	20	—	—	—	137	119	18	—	—	—
28	149	125	24	—	—	—	156	110	46	—	—	—
27	148	118	30	—	—	—	150	113	37	—	—	—
26	130	100	30	—	—	—	129	76	51	—	2	—
25	114	95	16	—	—	3	133	104	29	—	—	—
24	86	75	9	—	2	—	80	64	16	—	—	—
23	52	44	7	—	—	1	67	53	14	—	—	—
22	41	31	10	—	—	—	72	49	23	—	—	—
21	38	32	5	—	1	—	35	26	7	—	1	1
20	32	25	7	—	—	—	34	27	6	—	1	—
19	23	19	4	—	—	—	21	11	9	1	—	—
18	76	51	6	12	5	2	57	41	7	7	1	1

DOMESTIC

Total	1,137	231	312	315	9	270	1,140	233	294	325	8	280
48	1	—	1	—	—	—	—	—	—	—	—	—
46	1	—	1	—	—	—	—	—	—	—	—	—
44	24	—	24	—	—	—	—	—	—	—	—	—
43	9	—	9	—	—	—	—	—	—	—	—	—
42	12	—	12	—	—	—	2	—	2	—	—	—
41	5	—	5	—	—	—	2	—	2	—	—	—
40	11	—	11	—	—	—	1	—	1	—	—	—
39	22	—	22	—	—	—	—	—	—	—	—	—
38	20	—	20	—	—	—	1	—	1	—	—	—
37	13	—	13	—	—	—	6	—	6	—	—	—
36	11	—	11	—	—	—	15	—	15	—	—	—
35	12	—	12	—	—	—	35	8	27	—	—	—
34	21	12	9	—	—	—	45	25	20	—	—	—
33	26	17	9	—	—	—	32	20	12	—	—	—
32	32	15	17	—	—	—	37	25	12	—	—	—
31	27	19	8	—	—	—	17	16	1	—	—	—
30	16	8	8	—	—	—	26	17	9	—	—	—
29	24	18	6	—	—	—	23	14	9	—	—	—
28	110	105	5	—	—	—	103	93	10	—	—	—
27	27	15	12	—	—	—	8	1	7	—	—	—
26	22	12	10	—	—	—	34	1	31	—	—	2
25	6	2	4	—	—	—	42	2	40	—	—	—
24	9	3	6	—	—	—	7	2	5	—	—	—
23	12	2	10	—	—	—	18	4	14	—	—	—
22	4	—	3	—	—	1	6	1	5	—	—	—
21	23	—	5	—	—	18	38	—	8	—	—	30
20	39	—	1	34	—	4	48	—	8	32	—	8
19	13	—	2	—	—	11	16	—	2	—	—	14
18	585	3	56	281	9	236	578	4	47	293	8	226

Total trips: 7,514

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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	47,737	47,206	30	284	192	25	47,867	47,285	80	288	191	23

FOREIGN

Total	218	185	30	2	1	—	328	245	80	2	1	—
43	1	—	1	—	—	—	1	—	1	—	—	—
42	1	—	1	—	—	—	—	—	—	—	—	—
41	2	—	2	—	—	—	1	1	—	—	—	—
40	—	—	—	—	—	—	1	1	—	—	—	—
39	3	—	3	—	—	—	1	1	—	—	—	—
38	2	1	1	—	—	—	2	2	—	—	—	—
37	2	2	—	—	—	—	4	3	1	—	—	—
36	3	—	3	—	—	—	3	2	1	—	—	—
35	1	—	1	—	—	—	4	3	1	—	—	—
34	3	3	—	—	—	—	10	4	6	—	—	—
33	9	6	3	—	—	—	12	6	6	—	—	—
32	6	5	1	—	—	—	20	18	2	—	—	—
31	6	5	1	—	—	—	11	9	2	—	—	—
30	9	8	1	—	—	—	15	11	4	—	—	—
29	10	9	1	—	—	—	15	11	4	—	—	—
28	13	12	1	—	—	—	27	20	7	—	—	—
27	31	31	—	—	—	—	50	38	12	—	—	—
26	17	15	2	—	—	—	34	19	14	—	1	—
25	20	18	2	—	—	—	31	25	6	—	—	—
24	11	10	—	—	1	—	21	16	5	—	—	—
23	7	6	1	—	—	—	14	13	1	—	—	—
22	61	54	5	2	—	—	51	42	7	2	—	—

DOMESTIC

Total	47,519	47,021	—	282	191	25	47,539	47,040	—	286	190	23
24	—	—	—	—	—	—	1	1	—	—	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—
22	47,518	47,020	—	282	191	25	47,538	47,039	—	286	190	23
Total trips:											95,604	

REDWOOD CITY HARBOR, CA

	Inbound						Outbound					
Grand Total	756	35	—	441	279	1	730	28	—	423	278	1

FOREIGN

Total	31	21	—	5	5	—	22	14	—	4	4	—
33	6	6	—	—	—	—	1	1	—	—	—	—
32	5	5	—	—	—	—	1	1	—	—	—	—
31	4	4	—	—	—	—	2	2	—	—	—	—
30	—	—	—	—	—	—	2	2	—	—	—	—
29	2	2	—	—	—	—	2	2	—	—	—	—
28	1	1	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	1	—	—	—	1	—
25	—	—	—	—	—	—	1	1	—	—	—	—
24	2	1	—	—	1	—	—	—	—	—	—	—
22	11	2	—	5	4	—	12	5	—	4	3	—

DOMESTIC

Total	725	14	—	436	274	1	708	14	—	419	274	1
22	725	14	—	436	274	1	708	14	—	419	274	1
Total trips:											1,486	

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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

	Inbound						Outbound					
Grand Total	15,817	12,897	38	2,496	362	24	15,841	12,817	145	2,495	358	26

FOREIGN

Total	1,795	1,751	38	2	2	2	1,802	1,655	145	1	---	1
45	1	1	---	---	---	---	1	---	1	---	---	---
42	5	5	---	---	---	---	3	2	1	---	---	---
41	11	10	1	---	---	---	5	5	---	---	---	---
40	9	9	---	---	---	---	12	11	1	---	---	---
39	32	31	1	---	---	---	43	42	1	---	---	---
38	49	47	2	---	---	---	47	45	2	---	---	---
37	48	48	---	---	---	---	50	48	2	---	---	---
36	119	118	1	---	---	---	137	133	4	---	---	---
35	107	107	---	---	---	---	135	135	---	---	---	---
34	122	121	1	---	---	---	127	122	5	---	---	---
33	151	150	1	---	---	---	208	176	32	---	---	---
32	235	233	2	---	---	---	218	211	7	---	---	---
31	143	143	---	---	---	---	134	131	3	---	---	---
30	174	172	2	---	---	---	141	132	9	---	---	---
29	119	118	1	---	---	---	94	88	6	---	---	---
28	101	99	2	---	---	---	101	82	19	---	---	---
27	79	72	7	---	---	---	74	65	9	---	---	---
26	71	65	6	---	---	---	60	46	14	---	---	---
25	66	61	3	---	---	2	67	59	8	---	---	---
24	50	47	3	---	---	---	37	33	4	---	---	---
23	27	27	---	---	---	---	31	29	2	---	---	---
22	76	67	5	2	2	---	77	60	15	1	---	1

DOMESTIC

Total	14,022	11,146	---	2,494	360	22	14,039	11,162	---	2,494	358	25
36	---	---	---	---	---	---	1	1	---	---	---	---
35	1	1	---	---	---	---	13	13	---	---	---	---
34	12	12	---	---	---	---	29	29	---	---	---	---
33	17	17	---	---	---	---	21	21	---	---	---	---
32	16	16	---	---	---	---	24	24	---	---	---	---
31	13	13	---	---	---	---	14	14	---	---	---	---
30	7	7	---	---	---	---	20	20	---	---	---	---
29	18	18	---	---	---	---	7	7	---	---	---	---
28	105	105	---	---	---	---	90	90	---	---	---	---
27	15	15	---	---	---	---	1	1	---	---	---	---
26	12	12	---	---	---	---	---	---	---	---	---	---
25	2	2	---	---	---	---	2	2	---	---	---	---
24	2	2	---	---	---	---	---	---	---	---	---	---
23	2	2	---	---	---	---	---	---	---	---	---	---
22	13,800	10,924	---	2,494	360	22	13,817	10,940	---	2,494	358	25
										Total trips:		31,658

RICHMOND HARBOR, CA

	Inbound						Outbound					
Grand Total	4,934	61	417	4,175	69	212	4,876	50	335	4,202	70	219

FOREIGN

Total	248	58	189	---	---	1	166	47	119	---	---	---
47	1	---	1	---	---	---	---	---	---	---	---	---
45	1	---	1	---	---	---	---	---	---	---	---	---
43	12	---	12	---	---	---	---	---	---	---	---	---
42	8	---	8	---	---	---	---	---	---	---	---	---
41	4	---	4	---	---	---	---	---	---	---	---	---
40	6	---	6	---	---	---	1	---	1	---	---	---
39	8	2	6	---	---	---	---	---	---	---	---	---
38	18	1	17	---	---	---	2	1	1	---	---	---
37	9	1	8	---	---	---	1	1	---	---	---	---
36	15	---	15	---	---	---	7	2	5	---	---	---
35	11	---	11	---	---	---	1	---	1	---	---	---
34	6	1	5	---	---	---	7	2	5	---	---	---
33	11	1	10	---	---	---	37	1	36	---	---	---
32	15	7	8	---	---	---	6	3	3	---	---	---

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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					
FOREIGN												
31	11	3	8	—	—	—	3	1	2	—	—	—
30	15	5	10	—	—	—	9	2	7	—	—	—
29	12	3	9	—	—	—	11	9	2	—	—	—
28	13	2	11	—	—	—	12	3	9	—	—	—
27	14	6	8	—	—	—	9	4	5	—	—	—
26	14	5	9	—	—	—	12	1	11	—	—	—
25	8	5	2	—	—	1	8	3	5	—	—	—
24	6	3	3	—	—	—	5	1	4	—	—	—
23	7	4	3	—	—	—	12	5	7	—	—	—
22	23	9	14	—	—	—	23	8	15	—	—	—
DOMESTIC												
Total	4,686	3	228	4,175	69	211	4,710	3	216	4,202	70	219
44	18	—	18	—	—	—	—	—	—	—	—	—
43	9	—	9	—	—	—	—	—	—	—	—	—
42	14	—	14	—	—	—	3	—	3	—	—	—
41	5	—	5	—	—	—	3	—	3	—	—	—
40	8	—	8	—	—	—	1	—	1	—	—	—
39	18	—	18	—	—	—	1	—	1	—	—	—
38	18	—	18	—	—	—	5	—	5	—	—	—
37	8	—	8	—	—	—	7	—	7	—	—	—
36	8	—	8	—	—	—	13	—	13	—	—	—
35	6	—	6	—	—	—	27	—	27	—	—	—
34	6	—	6	—	—	—	16	—	16	—	—	—
33	8	—	8	—	—	—	9	—	9	—	—	—
32	11	—	11	—	—	—	24	—	24	—	—	—
31	6	—	6	—	—	—	14	—	14	—	—	—
30	11	—	11	—	—	—	18	—	18	—	—	—
29	3	—	3	—	—	—	4	—	4	—	—	—
28	4	—	4	—	—	—	3	—	3	—	—	—
27	6	—	6	—	—	—	5	—	5	—	—	—
26	6	—	6	—	—	—	13	1	11	—	—	1
25	1	—	1	—	—	—	8	1	7	—	—	—
24	3	1	2	—	—	—	1	—	1	—	—	—
23	5	2	3	—	—	—	3	1	2	—	—	—
22	4,504	—	49	4,175	69	211	4,532	—	42	4,202	70	218
										Total trips:		9,810

SAN PABLO BAY AND MARE ISLAND STRAIT, CA

	Upbound						Downbound					
Grand Total	7,349	4,741	411	1,458	450	289	7,259	4,711	295	1,437	527	289
FOREIGN												
Total	377	173	198	3	—	3	250	146	100	2	1	1
40	1	—	1	—	—	—	—	—	—	—	—	—
39	3	—	3	—	—	—	—	—	—	—	—	—
38	2	—	2	—	—	—	1	—	1	—	—	—
37	16	—	16	—	—	—	—	—	—	—	—	—
36	28	—	28	—	—	—	2	1	1	—	—	—
35	17	—	17	—	—	—	1	—	1	—	—	—
34	17	7	10	—	—	—	7	5	2	—	—	—
33	28	18	10	—	—	—	8	4	2	1	1	—
32	26	9	17	—	—	—	11	5	6	—	—	—
31	33	23	10	—	—	—	16	13	3	—	—	—
30	28	14	14	—	—	—	25	13	12	—	—	—
29	18	9	9	—	—	—	15	9	6	—	—	—
28	21	11	10	—	—	—	16	5	11	—	—	—
27	24	9	15	—	—	—	17	6	11	—	—	—
26	28	15	13	—	—	—	22	10	12	—	—	—
25	20	11	9	—	—	—	26	16	10	—	—	—
24	17	14	3	—	—	—	17	14	3	—	—	—
23	11	7	3	—	—	1	10	6	4	—	—	—
22	39	26	8	3	—	2	56	39	15	1	—	1

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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

Total	6,972	4,568	213	1,455	450	286	7,009	4,565	195	1,435	526	288
43	1	—	1	—	—	—	—	—	—	—	—	—
42	1	—	1	—	—	—	1	—	1	—	—	—
40	2	—	2	—	—	—	—	—	—	—	—	—
39	6	—	6	—	—	—	1	—	1	—	—	—
38	2	—	2	—	—	—	1	—	1	—	—	—
37	4	—	4	—	—	—	—	—	—	—	—	—
36	3	—	3	—	—	—	3	—	3	—	—	—
35	9	—	9	—	—	—	3	—	3	—	—	—
34	4	—	4	—	—	—	8	—	8	—	—	—
33	11	—	11	—	—	—	13	1	12	—	—	—
32	34	3	31	—	—	—	8	—	8	—	—	—
31	18	2	16	—	—	—	3	—	3	—	—	—
30	50	—	50	—	—	—	8	—	8	—	—	—
29	5	—	5	—	—	—	6	—	6	—	—	—
28	3	—	3	—	—	—	6	—	6	—	—	—
27	10	—	10	—	—	—	3	—	3	—	—	—
26	5	—	5	—	—	—	16	—	15	—	—	1
25	4	—	4	—	—	—	30	—	30	—	—	—
24	7	1	6	—	—	—	8	2	6	—	—	—
23	12	1	11	—	—	—	17	4	13	—	—	—
22	6,781	4,561	29	1,455	450	286	6,874	4,558	68	1,435	526	287
										Total trips:		14,608

CARQUINEZ STRAIT, CA

Upbound

Downbound

Grand Total	2,475	190	364	1,419	254	248	2,205	161	255	1,303	247	239
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FOREIGN

Total	359	173	180	3	—	3	234	146	86	1	1	—
38	2	—	2	—	—	—	—	—	—	—	—	—
37	16	—	16	—	—	—	—	—	—	—	—	—
36	26	—	26	—	—	—	2	1	1	—	—	—
35	17	—	17	—	—	—	1	—	1	—	—	—
34	17	7	10	—	—	—	5	5	—	—	—	—
33	28	18	10	—	—	—	7	4	1	1	1	—
32	24	9	15	—	—	—	10	5	5	—	—	—
31	33	23	10	—	—	—	16	13	3	—	—	—
30	28	14	14	—	—	—	25	13	12	—	—	—
29	17	9	8	—	—	—	13	9	4	—	—	—
28	19	11	8	—	—	—	16	5	11	—	—	—
27	24	9	15	—	—	—	16	6	10	—	—	—
26	25	15	10	—	—	—	21	10	11	—	—	—
25	18	11	7	—	—	—	22	16	6	—	—	—
24	16	14	2	—	—	—	17	14	3	—	—	—
23	10	7	2	—	—	—	9	6	3	—	—	—
22	39	26	8	3	—	2	54	39	15	—	—	—

DOMESTIC

Total	2,116	17	184	1,416	254	245	1,971	15	169	1,302	246	239
43	1	—	1	—	—	—	—	—	—	—	—	—
42	1	—	1	—	—	—	1	—	1	—	—	—
40	2	—	2	—	—	—	—	—	—	—	—	—
39	6	—	6	—	—	—	1	—	1	—	—	—
38	3	—	3	—	—	—	1	—	1	—	—	—
37	4	—	4	—	—	—	—	—	—	—	—	—
36	4	—	4	—	—	—	4	—	4	—	—	—
35	8	—	8	—	—	—	2	—	2	—	—	—
34	5	—	5	—	—	—	3	—	3	—	—	—
33	9	—	9	—	—	—	9	1	8	—	—	—
32	33	3	30	—	—	—	4	—	4	—	—	—
31	17	2	15	—	—	—	4	—	4	—	—	—
30	51	—	51	—	—	—	7	—	7	—	—	—
29	4	—	4	—	—	—	5	—	5	—	—	—
28	3	—	3	—	—	—	4	—	4	—	—	—

Trips and Drafts of Vessels, 2001
(draft in feet)

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

CARQUINEZ STRAIT, CA - continued

Upbound							Downbound					
DOMESTIC												
27	5	—	5	—	—	—	2	—	2	—	—	—
26	6	—	5	—	—	1	15	—	14	—	—	1
25	3	—	3	—	—	—	28	1	27	—	—	—
24	3	1	2	—	—	—	4	1	3	—	—	—
23	6	1	5	—	—	—	17	4	13	—	—	—
22	1,942	10	18	1,416	254	244	1,860	8	66	1,302	246	238
Total trips:											4,680	

SUISUN BAY CHANNEL, CA

Upbound							Downbound					
Grand Total	1,233	133	75	681	240	104	1,193	117	44	689	246	97

FOREIGN

Total	180	122	58	—	—	—	140	108	30	1	1	—
37	2	—	2	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	2	1	1	—	—	—
35	1	—	1	—	—	—	—	—	—	—	—	—
34	11	5	6	—	—	—	5	5	—	—	—	—
33	20	14	6	—	—	—	6	4	—	1	1	—
32	16	8	8	—	—	—	6	5	1	—	—	—
31	26	21	5	—	—	—	3	3	—	—	—	—
30	14	11	3	—	—	—	13	11	2	—	—	—
29	8	5	3	—	—	—	9	9	—	—	—	—
28	15	9	6	—	—	—	5	4	1	—	—	—
27	11	3	8	—	—	—	9	3	6	—	—	—
26	8	5	3	—	—	—	10	8	2	—	—	—
25	10	8	2	—	—	—	17	13	4	—	—	—
24	11	9	2	—	—	—	11	9	2	—	—	—
23	5	5	—	—	—	—	5	4	1	—	—	—
22	4	3	1	—	—	—	17	11	6	—	—	—
21	5	5	—	—	—	—	5	4	1	—	—	—
20	2	1	1	—	—	—	7	6	1	—	—	—
19	1	1	—	—	—	—	4	2	2	—	—	—
18	10	9	1	—	—	—	6	6	—	—	—	—

DOMESTIC

Total	1,053	11	17	681	240	104	1,053	9	14	688	245	97
39	2	—	2	—	—	—	—	—	—	—	—	—
37	1	—	1	—	—	—	—	—	—	—	—	—
34	—	—	—	—	—	—	1	—	1	—	—	—
33	—	—	—	—	—	—	2	1	1	—	—	—
32	—	—	—	—	—	—	1	—	1	—	—	—
30	7	—	7	—	—	—	—	—	—	—	—	—
28	—	—	—	—	—	—	1	—	1	—	—	—
27	3	—	3	—	—	—	—	—	—	—	—	—
26	2	—	1	—	—	1	1	—	1	—	—	—
23	2	1	1	—	—	—	—	—	—	—	—	—
22	1	—	1	—	—	—	—	—	—	—	—	—
21	—	—	—	—	—	—	2	—	—	—	—	2
20	25	—	—	21	—	4	28	—	2	19	—	7
18	1,010	10	1	660	240	99	1,017	8	7	669	245	88
Total trips:											2,426	

PETALUMA RIVER, CA

Upbound							Downbound					
Grand Total	449	—	—	153	296	—	455	—	—	156	299	—

DOMESTIC

Total	449	—	—	153	296	—	455	—	—	156	299	—
13	105	—	—	—	105	—	—	—	—	—	—	—
12	11	—	—	—	11	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 2001
(draft in feet)

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

PETALUMA RIVER, CA - continued

Upbound							Downbound					
DOMESTIC												
11	12	—	—	—	12	—	—	—	—	—	—	—
10	2	—	—	—	2	—	—	—	—	—	—	—
9	130	—	—	130	—	—	132	—	—	132	—	—
8	—	—	—	—	—	—	25	—	—	—	25	—
7	1	—	—	—	1	—	7	—	—	—	7	—
6	23	—	—	23	—	—	83	—	—	24	59	—
5	15	—	—	—	15	—	6	—	—	—	6	—
4	3	—	—	—	3	—	6	—	—	—	6	—
3	14	—	—	—	14	—	166	—	—	—	166	—
2	133	—	—	—	133	—	30	—	—	—	30	—
Total trips:											904	

HUMBOLDT HARBOR AND BAY, CA

Inbound							Outbound					
Grand Total	489	292	—	96	61	40	454	294	—	78	44	38

FOREIGN

Total	48	34	—	6	8	—	62	36	—	13	13	—
38	—	—	—	—	—	—	1	1	—	—	—	—
37	—	—	—	—	—	—	2	2	—	—	—	—
36	3	3	—	—	—	—	—	—	—	—	—	—
35	1	1	—	—	—	—	3	3	—	—	—	—
34	1	1	—	—	—	—	2	2	—	—	—	—
33	—	—	—	—	—	—	1	1	—	—	—	—
32	—	—	—	—	—	—	3	3	—	—	—	—
31	2	2	—	—	—	—	—	—	—	—	—	—
30	2	2	—	—	—	—	2	2	—	—	—	—
28	3	3	—	—	—	—	4	4	—	—	—	—
27	2	2	—	—	—	—	2	2	—	—	—	—
26	3	3	—	—	—	—	3	3	—	—	—	—
25	3	3	—	—	—	—	5	5	—	—	—	—
24	4	3	—	—	1	—	3	3	—	—	—	—
23	7	7	—	—	—	—	3	3	—	—	—	—
22	2	1	—	—	1	—	1	1	—	—	—	—
21	4	2	—	—	2	—	2	1	—	—	1	—
19	1	1	—	—	—	—	1	—	—	—	1	—
18	10	—	—	6	4	—	24	—	—	13	11	—

DOMESTIC

Total	441	258	—	90	53	40	392	258	—	65	31	38
18	441	258	—	90	53	40	392	258	—	65	31	38
Total trips:											943	

BERKELEY, CA
(9 feet and less)

Inbound							Outbound					
Grand Total	557	509	—	24	24	—	561	513	—	24	24	—
Total trips:											1,118	

BODEGA BAY, CA
No Vessel Trips Reported

CRESCENT CITY HARBOR, CA
No Vessel Trips Reported

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
MONTEREY HARBOR, CA (6 feet and less)												
			Inbound						Outbound			
Grand Total	9	9	---	---	---	---	9	9	---	---	---	---
									Total trips:			
									18			
MOSS LANDING HARBOR, CA No Vessel Trips Reported												
NAPA RIVER, CA (15 feet and less)												
			Upbound						Downbound			
Grand Total	115	13	---	51	51	---	113	13	---	50	50	---
									Total trips:			
									228			
NOYO RIVER, CA No Vessel Trips Reported												
PILLAR POINT HARBOR, CA No Vessel Trips Reported												
SAN RAFAEL CREEK, CA No Vessel Trips Reported												
SANTA CRUZ HARBOR, CA (10 feet and less)												
			Inbound						Outbound			
Grand Total	255	255	---	---	---	---	255	255	---	---	---	---
									Total trips:			
									510			
SUISUN CHANNEL, CA (6 feet and less)												
			Upbound						Downbound			
Grand Total	2	2	---	---	---	---	---	---	---	---	---	---
									Total trips:			
									2			
OTHER SAN FRANCISCO BAY AREA PORTS, CA (49 feet and less)												
			Inbound						Outbound			
Grand Total	28,577	26,206	70	1,765	492	44	28,573	26,224	75	1,767	465	42
									Total trips:			
									57,150			

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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, HAWAII IS., HI

	Inbound						Outbound					
Grand Total	987	53	---	431	402	101	993	50	---	441	399	103

FOREIGN

Total	53	53	---	---	---	---	50	50	---	---	---	---
32	2	2	---	---	---	---	---	---	---	---	---	---
28	1	1	---	---	---	---	1	1	---	---	---	---
27	13	13	---	---	---	---	13	13	---	---	---	---
26	4	4	---	---	---	---	4	4	---	---	---	---
25	16	16	---	---	---	---	15	15	---	---	---	---
24	13	13	---	---	---	---	14	14	---	---	---	---
22	1	1	---	---	---	---	1	1	---	---	---	---
20	1	1	---	---	---	---	1	1	---	---	---	---
18	2	2	---	---	---	---	1	1	---	---	---	---

DOMESTIC

Total	934	---	---	431	402	101	943	---	---	441	399	103
19	42	---	---	---	---	42	---	---	---	---	---	---
18	892	---	---	431	402	59	943	---	---	441	399	103

Total trips: 1,980

KAWAIHAE HARBOR, HAWAII IS., HI

	Inbound						Outbound					
Grand Total	768	---	---	296	463	9	811	---	---	306	496	9

DOMESTIC

Total	768	---	---	296	463	9	811	---	---	306	496	9
21	8	---	---	---	8	---	---	---	---	---	---	---
19	1	---	---	---	---	1	---	---	---	---	---	---
18	759	---	---	296	455	8	811	---	---	306	496	9

Total trips: 1,579

KAHULUI HARBOR, MAUI, HI

	Inbound						Outbound					
Grand Total	1,595	69	2	675	744	105	1,619	70	1	672	771	105

FOREIGN

Total	39	35	2	1	1	---	36	35	1	---	---	---
36	3	3	---	---	---	---	1	1	---	---	---	---
33	1	1	---	---	---	---	---	---	---	---	---	---
32	2	2	---	---	---	---	2	2	---	---	---	---
31	---	---	---	---	---	---	1	1	---	---	---	---
30	---	---	---	---	---	---	1	1	---	---	---	---
28	1	1	---	---	---	---	---	---	---	---	---	---
27	8	8	---	---	---	---	7	7	---	---	---	---
26	3	3	---	---	---	---	3	3	---	---	---	---
25	7	6	---	---	1	---	10	9	1	---	---	---
24	6	6	---	---	---	---	6	6	---	---	---	---
23	2	1	---	1	---	---	1	1	---	---	---	---
22	1	1	---	---	---	---	1	1	---	---	---	---
20	1	1	---	---	---	---	1	1	---	---	---	---
18	4	2	2	---	---	---	2	2	---	---	---	---

DOMESTIC

Total	1,556	34	---	674	743	105	1,583	35	---	672	771	105
34	1	1	---	---	---	---	---	---	---	---	---	---
32	---	---	---	---	---	---	2	2	---	---	---	---
31	---	---	---	---	---	---	2	2	---	---	---	---
30	29	29	---	---	---	---	29	29	---	---	---	---
27	---	---	---	---	---	---	1	1	---	---	---	---
26	1	1	---	---	---	---	1	1	---	---	---	---

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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												
24	1	1	—	—	—	—	—	—	—	—	—	—
23	2	2	—	—	—	—	—	—	—	—	—	—
21	174	—	—	—	174	—	175	—	—	—	175	—
19	43	—	—	—	—	43	—	—	—	—	—	—
18	1,305	—	—	674	569	62	1,373	—	—	672	596	105
Total trips:											3,214	

BARBERS POINT HARBOR, OAHU, HI

Inbound							Outbound					
Grand Total	1,887	10	65	1,389	80	343	1,771	10	58	1,274	74	355

FOREIGN

Total	50	10	32	4	4	—	39	10	29	—	—	—
49	1	—	1	—	—	—	—	—	—	—	—	—
48	2	—	2	—	—	—	—	—	—	—	—	—
47	1	—	1	—	—	—	—	—	—	—	—	—
46	1	—	1	—	—	—	—	—	—	—	—	—
45	2	—	2	—	—	—	1	—	1	—	—	—
44	3	—	3	—	—	—	—	—	—	—	—	—
43	2	—	2	—	—	—	1	—	1	—	—	—
42	2	—	2	—	—	—	1	—	1	—	—	—
40	1	—	1	—	—	—	1	1	—	—	—	—
39	3	—	3	—	—	—	—	—	—	—	—	—
38	1	—	1	—	—	—	—	—	—	—	—	—
36	4	2	2	—	—	—	2	—	2	—	—	—
35	1	1	—	—	—	—	3	—	3	—	—	—
34	—	—	—	—	—	—	2	—	2	—	—	—
33	1	1	—	—	—	—	6	1	5	—	—	—
32	—	—	—	—	—	—	2	1	1	—	—	—
31	—	—	—	—	—	—	2	1	1	—	—	—
30	—	—	—	—	—	—	1	1	—	—	—	—
29	1	—	1	—	—	—	—	—	—	—	—	—
28	1	1	—	—	—	—	1	—	1	—	—	—
27	2	—	2	—	—	—	1	1	—	—	—	—
26	1	—	1	—	—	—	2	—	2	—	—	—
25	—	—	—	—	—	—	1	1	—	—	—	—
24	—	—	—	—	—	—	3	2	1	—	—	—
23	1	1	—	—	—	—	1	1	—	—	—	—
22	2	—	1	—	1	—	—	—	—	—	—	—
21	1	—	—	—	1	—	1	—	1	—	—	—
20	—	—	—	—	—	—	4	—	4	—	—	—
19	1	1	—	—	—	—	—	—	—	—	—	—
18	1	1	—	—	—	—	2	—	2	—	—	—
17	2	—	2	—	—	—	1	—	1	—	—	—
16	3	—	2	1	—	—	—	—	—	—	—	—
15	2	1	1	—	—	—	—	—	—	—	—	—
14	1	—	1	—	—	—	—	—	—	—	—	—
12	6	1	—	3	2	—	—	—	—	—	—	—

DOMESTIC

Total	1,837	—	33	1,385	76	343	1,732	—	29	1,274	74	355
52	1	—	1	—	—	—	—	—	—	—	—	—
51	1	—	1	—	—	—	—	—	—	—	—	—
48	2	—	2	—	—	—	—	—	—	—	—	—
47	6	—	6	—	—	—	—	—	—	—	—	—
46	2	—	2	—	—	—	—	—	—	—	—	—
44	2	—	2	—	—	—	—	—	—	—	—	—
42	4	—	4	—	—	—	—	—	—	—	—	—
41	3	—	3	—	—	—	3	—	3	—	—	—
40	4	—	4	—	—	—	4	—	4	—	—	—
38	1	—	1	—	—	—	—	—	—	—	—	—
35	1	—	1	—	—	—	—	—	—	—	—	—
33	2	—	2	—	—	—	—	—	—	—	—	—
32	1	—	1	—	—	—	2	—	2	—	—	—
30	1	—	1	—	—	—	—	—	—	—	—	—
29	1	—	1	—	—	—	2	—	2	—	—	—

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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
Inbound

Outbound

DOMESTIC

27	—	—	—	—	—	—	1	—	1	—	—	—
25	—	—	—	—	—	—	6	—	6	—	—	—
20	—	—	—	—	—	—	1	—	1	—	—	—
19	2	—	—	—	—	2	107	—	—	—	—	107
17	4	—	—	1	—	3	91	—	—	1	—	90
16	3	—	1	2	—	—	2	—	—	2	—	—
15	19	—	—	14	—	5	60	—	—	2	—	58
14	10	—	—	10	—	—	15	—	4	10	—	1
13	26	—	—	25	—	1	22	—	—	22	—	—
12	1,741	—	—	1,333	76	332	1,416	—	6	1,237	74	99
											Total trips:	3,658

HONOLULU HARBOR, OAHU, HI

Inbound

Outbound

Grand Total	7,218	1,602	98	2,855	2,205	458	7,161	1,621	103	2,846	2,145	446
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FOREIGN

Total	518	383	92	21	21	1	517	385	97	17	17	1
48	1	—	1	—	—	—	—	—	—	—	—	—
47	2	—	2	—	—	—	—	—	—	—	—	—
46	5	—	5	—	—	—	1	—	1	—	—	—
45	2	—	2	—	—	—	—	—	—	—	—	—
44	4	—	4	—	—	—	1	—	1	—	—	—
43	4	—	4	—	—	—	—	—	—	—	—	—
42	5	—	5	—	—	—	1	—	1	—	—	—
41	2	—	2	—	—	—	—	—	—	—	—	—
40	1	—	1	—	—	—	2	1	1	—	—	—
39	5	—	5	—	—	—	—	—	—	—	—	—
38	1	—	1	—	—	—	1	—	1	—	—	—
37	4	—	4	—	—	—	—	—	—	—	—	—
36	12	10	2	—	—	—	6	4	2	—	—	—
35	4	3	1	—	—	—	2	2	—	—	—	—
34	9	8	1	—	—	—	12	10	2	—	—	—
33	8	7	1	—	—	—	10	6	4	—	—	—
32	13	11	2	—	—	—	19	13	6	—	—	—
31	15	15	—	—	—	—	14	12	2	—	—	—
30	14	14	—	—	—	—	20	18	2	—	—	—
29	21	21	—	—	—	—	26	23	3	—	—	—
28	25	25	—	—	—	—	27	25	2	—	—	—
27	25	24	1	—	—	—	29	22	7	—	—	—
26	27	26	1	—	—	—	36	30	6	—	—	—
25	23	19	4	—	—	—	26	24	2	—	—	—
24	21	20	1	—	—	—	22	20	2	—	—	—
23	11	10	1	—	—	—	17	15	2	—	—	—
22	21	19	2	—	—	—	23	16	7	—	—	—
21	24	9	2	—	13	—	31	15	3	—	13	—
20	10	7	3	—	—	—	11	5	6	—	—	—
19	9	7	2	—	—	—	11	6	5	—	—	—
18	190	128	32	21	8	1	169	118	29	17	4	1

DOMESTIC

Total	6,700	1,219	6	2,834	2,184	457	6,644	1,236	6	2,829	2,128	445
36	4	—	4	—	—	—	—	—	—	—	—	—
35	7	7	—	—	—	—	—	—	—	—	—	—
34	24	23	1	—	—	—	3	3	—	—	—	—
33	14	14	—	—	—	—	—	—	—	—	—	—
32	23	23	—	—	—	—	3	2	1	—	—	—
31	22	22	—	—	—	—	3	3	—	—	—	—
30	41	41	—	—	—	—	26	26	—	—	—	—
29	42	42	—	—	—	—	34	34	—	—	—	—
28	161	160	1	—	—	—	130	130	—	—	—	—
27	14	14	—	—	—	—	40	40	—	—	—	—
26	2	2	—	—	—	—	28	28	—	—	—	—
25	2	2	—	—	—	—	17	16	1	—	—	—
24	33	33	—	—	—	—	38	38	—	—	—	—
23	1	1	—	—	—	—	8	8	—	—	—	—

Trips and Drafts of Vessels, 2001
(draft in feet)

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

HONOLULU HARBOR, OAHU, HI - continued
Inbound

Outbound

DOMESTIC

22	—	—	—	—	—	—	5	5	—	—	—	—
21	183	—	—	—	183	—	163	1	—	—	162	—
20	—	—	—	—	—	—	2	1	1	—	—	—
19	8	—	—	5	—	3	7	1	—	5	—	1
18	6,119	835	—	2,829	2,001	454	6,137	900	3	2,824	1,966	444
											Total trips:	14,379

NAWILIWILI HARBOR, KAUAI, HI

Inbound

Outbound

Grand Total	628	26	—	201	371	30	617	26	—	189	373	29
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FOREIGN

Total	23	23	—	—	—	—	23	23	—	—	—	—
27	7	7	—	—	—	—	7	7	—	—	—	—
25	9	9	—	—	—	—	9	9	—	—	—	—
24	6	6	—	—	—	—	6	6	—	—	—	—
18	1	1	—	—	—	—	1	1	—	—	—	—

DOMESTIC

Total	605	3	—	201	371	30	594	3	—	189	373	29
33	—	—	—	—	—	—	1	1	—	—	—	—
32	—	—	—	—	—	—	1	1	—	—	—	—
27	1	1	—	—	—	—	—	—	—	—	—	—
26	—	—	—	—	—	—	1	1	—	—	—	—
25	1	1	—	—	—	—	—	—	—	—	—	—
23	1	1	—	—	—	—	—	—	—	—	—	—
19	17	—	—	—	—	17	1	—	—	—	—	1
18	585	—	—	201	371	13	590	—	—	189	373	28
											Total trips:	1,245

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	1	—	—	1	—	—	1	—	—	1	—	—
											Total trips:	2

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

Inbound

Outbound

Grand Total	582	—	—	174	408	—	593	—	—	174	419	—
											Total trips:	1,175

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

Inbound

Outbound

Grand Total	31	—	—	30	1	—	31	—	—	30	1	—
											Total trips:	62

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
WAKE ISLAND HARBOR, WAKE ISLAND (17 feet and less)												
	Inbound						Outbound					
Grand Total	1	—	—	1	—	—	1	—	—	1	—	—
											Total trips:	2

WELLS HARBOR, MIDWAY ISLAND
No Vessel Trips Reported

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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	3,025	7	---	858	1,496	664	3,187	7	---	913	1,496	771
DOMESTIC												
Total	3,025	7	---	858	1,496	664	3,187	7	---	913	1,496	771
17	30	---	---	---	---	30	---	---	---	---	---	---
16	1	---	---	---	1	---	176	---	---	---	176	---
15	40	---	---	---	---	40	1	---	---	---	1	---
14	35	---	---	---	6	29	359	---	---	---	95	264
13	180	---	---	---	31	149	330	---	---	---	252	78
12	2,739	7	---	858	1,458	416	2,321	7	---	913	972	429
										Total trips:		6,212

SNAKE RIVER, OR, WA AND ID

	Upbound						Downbound					
Grand Total	2,647	7	---	925	1,118	597	2,989	7	---	938	1,408	636
DOMESTIC												
Total	2,647	7	---	925	1,118	597	2,989	7	---	938	1,408	636
17	32	---	---	---	1	31	---	---	---	---	---	---
16	1	---	---	---	1	---	145	---	---	---	145	---
15	40	---	---	---	---	40	1	---	---	---	1	---
14	44	---	---	---	15	29	301	---	---	---	81	220
13	197	---	---	---	42	155	424	---	---	---	356	68
12	241	---	---	70	94	77	242	---	---	58	169	15
11	110	---	---	110	---	---	158	---	---	115	43	---
10	387	---	---	351	7	29	377	---	---	346	31	---
9	247	---	---	182	63	2	264	---	---	212	52	---
8	25	5	---	20	---	---	29	5	---	23	1	---
7	158	2	---	155	1	---	151	2	---	148	---	1
6	25	---	---	24	1	---	23	---	---	23	---	---
5	8	---	---	6	1	1	9	---	---	6	---	3
3	160	---	---	7	151	2	56	---	---	7	45	4
2	972	---	---	---	741	231	809	---	---	---	484	325
										Total trips:		5,636

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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	3,039	1,629	201	598	314	297	2,811	1,580	198	515	266	252
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FOREIGN

Total	1,877	1,621	76	93	70	17	1,827	1,574	80	93	68	12
40	—	—	—	—	—	—	37	35	2	—	—	—
39	3	2	1	—	—	—	42	40	2	—	—	—
38	9	4	5	—	—	—	57	57	—	—	—	—
37	17	15	2	—	—	—	40	38	2	—	—	—
36	9	8	1	—	—	—	84	84	—	—	—	—
35	30	26	4	—	—	—	63	62	1	—	—	—
34	63	59	4	—	—	—	124	122	—	1	1	—
33	46	38	8	—	—	—	96	94	2	—	—	—
32	57	54	3	—	—	—	152	149	3	—	—	—
31	58	53	5	—	—	—	124	122	2	—	—	—
30	58	50	8	—	—	—	68	62	6	—	—	—
29	110	106	4	—	—	—	56	54	2	—	—	—
28	97	91	6	—	—	—	71	64	7	—	—	—
27	90	83	7	—	—	—	87	82	5	—	—	—
26	99	90	9	—	—	—	88	81	7	—	—	—
25	95	92	3	—	—	—	118	109	9	—	—	—
24	102	101	1	—	—	—	90	78	12	—	—	—
23	75	72	2	1	—	—	51	49	1	1	—	—
22	134	131	1	1	—	1	58	51	5	1	—	1
21	123	116	1	—	6	—	50	47	2	1	—	—
20	139	115	1	1	22	—	39	29	4	—	6	—
19	142	137	—	1	3	1	32	22	1	—	9	—
18	321	178	—	89	39	15	200	43	5	89	52	11

DOMESTIC

Total	1,162	8	125	505	244	280	984	6	118	422	198	240
39	1	—	1	—	—	—	—	—	—	—	—	—
37	3	—	3	—	—	—	—	—	—	—	—	—
36	13	—	13	—	—	—	1	—	1	—	—	—
35	24	—	24	—	—	—	2	—	2	—	—	—
34	21	1	20	—	—	—	4	1	3	—	—	—
33	5	—	5	—	—	—	—	—	—	—	—	—
32	5	—	5	—	—	—	1	—	1	—	—	—
31	—	—	—	—	—	—	2	1	1	—	—	—
30	—	—	—	—	—	—	4	2	2	—	—	—
29	7	—	7	—	—	—	2	—	2	—	—	—
28	8	1	7	—	—	—	4	1	3	—	—	—
27	19	1	18	—	—	—	4	—	4	—	—	—
26	17	—	15	—	—	2	7	—	7	—	—	—
25	1	—	1	—	—	—	3	—	1	—	—	2
24	4	1	3	—	—	—	1	—	1	—	—	—
23	3	1	—	—	—	2	25	—	25	—	—	—
22	—	—	—	—	—	—	16	—	16	—	—	—
21	14	—	2	—	—	12	9	—	3	—	—	6
20	60	—	—	33	7	20	23	—	—	21	—	2
19	29	—	—	15	—	14	16	—	1	13	1	1
18	928	3	1	457	237	230	860	1	45	388	197	229
										Total trips:		5,850

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY

Upbound

Downbound

Grand Total	56,348	40,409	206	8,933	5,031	1,769	23,485	8,662	211	8,284	4,536	1,792
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FOREIGN

Total	1,875	1,619	76	93	70	17	1,826	1,573	80	93	68	12
40	—	—	—	—	—	—	37	35	2	—	—	—
39	3	2	1	—	—	—	42	40	2	—	—	—
38	9	4	5	—	—	—	57	57	—	—	—	—
37	17	15	2	—	—	—	40	38	2	—	—	—
36	9	8	1	—	—	—	84	84	—	—	—	—
35	30	26	4	—	—	—	63	62	1	—	—	—
34	63	59	4	—	—	—	124	122	—	1	1	—

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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												
33	46	38	8	—	—	—	96	94	2	—	—	—
32	57	54	3	—	—	—	152	149	3	—	—	—
31	58	53	5	—	—	—	124	122	2	—	—	—
30	58	50	8	—	—	—	68	62	6	—	—	—
29	110	106	4	—	—	—	56	54	2	—	—	—
28	97	91	6	—	—	—	71	64	7	—	—	—
27	90	83	7	—	—	—	87	82	5	—	—	—
26	99	90	9	—	—	—	88	81	7	—	—	—
25	95	92	3	—	—	—	118	109	9	—	—	—
24	102	101	1	—	—	—	90	78	12	—	—	—
23	75	72	2	1	—	—	51	49	1	1	—	—
22	134	131	1	1	—	1	58	51	5	1	—	1
21	123	116	1	—	6	—	50	47	2	1	—	—
20	139	115	1	1	22	—	39	29	4	—	6	—
19	142	137	—	1	3	1	32	22	1	—	9	—
18	86	82	—	1	2	1	20	15	3	1	1	—
17	39	35	—	—	4	—	7	6	—	1	—	—
16	39	26	—	4	9	—	13	3	—	8	2	—
15	55	14	—	32	5	4	48	7	—	32	7	2
14	18	3	—	11	—	4	16	2	1	10	2	1
13	30	3	—	12	9	6	12	1	1	7	2	1
12	17	5	—	11	1	—	19	1	—	13	4	1
11	8	—	—	6	2	—	4	—	—	2	1	1
10	14	5	—	5	4	—	8	—	—	5	2	1
9	4	1	—	3	—	—	6	1	—	5	—	—
8	1	—	—	1	—	—	5	—	—	3	2	—
7	1	—	—	—	1	—	2	—	—	—	2	—
6	4	2	—	2	—	—	5	2	—	2	1	—
5	1	—	—	—	1	—	8	1	—	—	7	—
4	2	—	—	1	1	—	8	—	—	—	7	1
3	—	—	—	—	—	—	18	3	—	—	12	3
DOMESTIC												
Total	54,473	38,790	130	8,840	4,961	1,752	21,659	7,089	131	8,191	4,468	1,780
39	1	—	1	—	—	—	—	—	—	—	—	—
37	3	—	3	—	—	—	—	—	—	—	—	—
36	14	—	14	—	—	—	1	—	1	—	—	—
35	26	1	25	—	—	—	4	—	4	—	—	—
34	21	1	20	—	—	—	8	2	6	—	—	—
33	4	—	4	—	—	—	3	—	3	—	—	—
32	5	—	5	—	—	—	1	—	1	—	—	—
31	—	—	—	—	—	—	2	1	1	—	—	—
30	1	—	1	—	—	—	4	2	2	—	—	—
29	7	—	7	—	—	—	3	—	3	—	—	—
28	8	1	7	—	—	—	4	1	3	—	—	—
27	20	1	19	—	—	—	6	—	6	—	—	—
26	17	—	15	—	—	2	7	—	7	—	—	—
25	1	—	1	—	—	—	3	—	1	—	—	2
24	4	1	3	—	—	—	1	—	1	—	—	—
23	7	3	2	—	—	2	26	—	26	—	—	—
22	—	—	—	—	—	—	17	—	17	—	—	—
21	14	—	2	—	—	12	9	—	3	—	—	6
20	66	—	—	39	7	20	23	—	—	21	—	2
19	31	—	—	17	—	14	26	—	1	23	1	1
18	84	—	—	35	—	49	54	—	—	42	8	4
17	90	—	—	26	2	62	26	—	—	17	7	2
16	91	—	—	47	3	41	268	—	27	41	191	9
15	129	—	1	63	4	61	78	—	7	57	11	3
14	262	—	—	159	28	75	588	—	—	122	142	324
13	474	—	—	80	213	181	805	—	4	81	615	105
12	1,076	—	—	626	233	217	963	—	—	607	328	28
11	1,465	—	—	1,318	100	47	1,651	—	—	1,235	402	14
10	1,581	—	—	1,445	91	45	1,721	—	—	1,443	273	5
9	1,925	—	—	1,479	360	86	1,798	—	3	1,467	274	54
8	1,965	131	—	1,255	504	75	1,264	5	4	1,152	59	44
7	1,323	53	—	1,103	156	11	1,086	2	—	1,062	17	5
6	32,337	31,524	—	774	31	8	669	—	—	635	30	4
5	869	540	—	310	6	13	707	542	—	143	8	14
4	226	—	—	4	197	25	222	—	—	2	134	86
3	7,154	6,534	—	50	496	74	7,144	6,534	—	32	440	138
2	3,161	—	—	—	2,529	632	2,380	—	—	1	1,449	930

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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

DOMESTIC

1	11	—	—	10	1	—	87	—	—	8	79	—
Total trips:											79	79,833

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

Downbound

Grand Total	36,126	8,881	251	18,903	5,794	2,297	22,479	8,292	201	5,899	5,790	2,297
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FOREIGN

Total	1,875	1,619	76	93	70	17	1,826	1,573	80	93	68	12
40	—	—	—	—	—	—	37	35	2	—	—	—
39	3	2	1	—	—	—	42	40	2	—	—	—
38	9	4	5	—	—	—	57	57	—	—	—	—
37	17	15	2	—	—	—	40	38	2	—	—	—
36	9	8	1	—	—	—	84	84	—	—	—	—
35	30	26	4	—	—	—	63	62	1	—	—	—
34	63	59	4	—	—	—	124	122	—	1	1	—
33	46	38	8	—	—	—	96	94	2	—	—	—
32	57	54	3	—	—	—	152	149	3	—	—	—
31	58	53	5	—	—	—	124	122	2	—	—	—
30	58	50	8	—	—	—	68	62	6	—	—	—
29	110	106	4	—	—	—	56	54	2	—	—	—
28	97	91	6	—	—	—	71	64	7	—	—	—
27	90	83	7	—	—	—	87	82	5	—	—	—
26	99	90	9	—	—	—	88	81	7	—	—	—
25	95	92	3	—	—	—	118	109	9	—	—	—
24	102	101	1	—	—	—	90	78	12	—	—	—
23	75	72	2	1	—	—	51	49	1	1	—	—
22	134	131	1	1	—	1	58	51	5	1	—	1
21	123	116	1	—	6	—	50	47	2	1	—	—
20	139	115	1	1	22	—	39	29	4	—	6	—
19	142	137	—	1	3	1	32	22	1	—	9	—
18	319	176	—	89	39	15	199	42	5	89	52	11

DOMESTIC

Total	34,251	7,262	175	18,810	5,724	2,280	20,653	6,719	121	5,806	5,722	2,285
39	1	—	1	—	—	—	—	—	—	—	—	—
37	3	—	3	—	—	—	—	—	—	—	—	—
36	14	—	14	—	—	—	1	—	1	—	—	—
35	28	1	27	—	—	—	2	—	2	—	—	—
34	24	1	23	—	—	—	5	2	3	—	—	—
33	8	—	8	—	—	—	—	—	—	—	—	—
32	5	—	5	—	—	—	1	—	1	—	—	—
31	1	—	1	—	—	—	2	1	1	—	—	—
30	1	—	1	—	—	—	4	2	2	—	—	—
29	10	—	10	—	—	—	3	—	3	—	—	—
28	19	1	18	—	—	—	4	1	3	—	—	—
27	27	1	26	—	—	—	5	—	5	—	—	—
26	22	—	20	—	—	2	7	—	7	—	—	—
25	4	—	4	—	—	—	3	—	1	—	—	2
24	8	2	6	—	—	—	1	—	1	—	—	—
23	8	3	3	—	—	2	26	—	26	—	—	—
22	2	—	2	—	—	—	16	—	16	—	—	—
21	15	—	2	—	—	13	9	—	3	—	—	6
20	77	—	—	49	7	21	23	—	—	21	—	2
19	35	—	—	20	—	15	24	—	1	21	1	1
18	33,939	7,253	1	18,741	5,717	2,227	20,517	6,713	45	5,764	5,721	2,274
Total trips:											58,605	58,605

Trips and Drafts of Vessels, 2001
(draft in feet)

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

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

	Inbound						Outbound					
Grand Total	1,980	4	---	1,482	429	65	1,807	6	---	1,372	368	61
FOREIGN												
Total	17	---	---	10	7	---	14	---	---	7	7	---
	18	17	---	10	7	---	14	---	---	7	7	---
DOMESTIC												
Total	1,963	4	---	1,472	422	65	1,793	6	---	1,365	361	61
	18	1,963	4	1,472	422	65	1,793	6	---	1,365	361	61
										Total trips:		3,787

PORT OF LONGVIEW, WA

	Inbound						Outbound					
Grand Total	931	164	1	489	244	33	954	164	3	514	236	37
FOREIGN												
Total	168	162	1	1	4	---	195	164	3	15	13	---
39	---	---	---	---	---	---	2	2	---	---	---	---
38	---	---	---	---	---	---	4	4	---	---	---	---
37	2	2	---	---	---	---	4	4	---	---	---	---
36	1	1	---	---	---	---	7	7	---	---	---	---
35	5	5	---	---	---	---	4	4	---	---	---	---
34	3	3	---	---	---	---	6	5	---	1	---	---
33	3	3	---	---	---	---	11	11	---	---	---	---
32	6	6	---	---	---	---	24	24	---	---	---	---
31	4	4	---	---	---	---	33	33	---	---	---	---
30	3	2	1	---	---	---	13	13	---	---	---	---
29	2	2	---	---	---	---	9	9	---	---	---	---
28	7	7	---	---	---	---	7	7	---	---	---	---
27	6	6	---	---	---	---	9	9	---	---	---	---
26	14	14	---	---	---	---	3	3	---	---	---	---
25	11	11	---	---	---	---	9	7	2	---	---	---
24	7	7	---	---	---	---	6	5	1	---	---	---
23	5	5	---	---	---	---	4	4	---	---	---	---
22	16	16	---	---	---	---	3	3	---	---	---	---
21	16	16	---	---	---	---	4	4	---	---	---	---
20	15	15	---	---	---	---	1	1	---	---	---	---
19	16	15	---	---	1	---	3	3	---	---	---	---
18	16	16	---	---	---	---	1	1	---	---	---	---
17	2	1	---	---	1	---	1	---	---	1	---	---
16	4	4	---	---	---	---	3	---	---	3	---	---
15	2	---	---	1	1	---	4	1	---	3	---	---
14	---	---	---	---	---	---	2	---	---	2	---	---
13	1	---	---	---	1	---	1	---	---	1	---	---
12	1	1	---	---	---	---	17	---	---	4	13	---
DOMESTIC												
Total	763	2	---	488	240	33	759	---	---	499	223	37
35	1	1	---	---	---	---	---	---	---	---	---	---
34	1	1	---	---	---	---	---	---	---	---	---	---
16	1	---	---	---	1	---	---	---	---	---	---	---
15	1	---	---	1	---	---	---	---	---	---	---	---
14	5	---	---	2	3	---	5	---	---	3	2	---
13	7	---	---	7	7	---	3	---	---	3	---	---
12	747	---	---	485	229	33	751	---	---	496	218	37
										Total trips:		1,885

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 KALAMA, WA

	Inbound						Outbound					
Grand Total	1,238	85	14	770	261	108	1,216	143	16	813	174	70

FOREIGN

Total	94	84	10	---	---	---	155	141	12	1	1	---
40	---	---	---	---	---	---	22	21	1	---	---	---
39	---	---	---	---	---	---	18	17	1	---	---	---
38	---	---	---	---	---	---	17	17	---	---	---	---
37	1	1	---	---	---	---	9	8	1	---	---	---
36	1	1	---	---	---	---	13	13	---	---	---	---
35	---	---	---	---	---	---	15	14	1	---	---	---
34	1	---	1	---	---	---	10	9	---	---	1	---
33	1	1	---	---	---	---	6	6	---	---	---	---
32	2	2	---	---	---	---	10	10	---	---	---	---
31	4	3	1	---	---	---	8	8	---	---	---	---
30	2	---	2	---	---	---	3	1	2	---	---	---
29	1	1	---	---	---	---	4	4	---	---	---	---
28	2	1	1	---	---	---	2	2	---	---	---	---
27	4	2	2	---	---	---	5	4	1	---	---	---
26	3	1	2	---	---	---	6	4	2	---	---	---
25	4	3	1	---	---	---	1	---	1	---	---	---
24	7	7	---	---	---	---	2	2	---	---	---	---
23	7	7	---	---	---	---	---	---	---	---	---	---
22	5	5	---	---	---	---	---	---	---	---	---	---
21	14	14	---	---	---	---	3	1	2	---	---	---
20	16	16	---	---	---	---	---	---	---	---	---	---
19	13	13	---	---	---	---	---	---	---	---	---	---
18	6	6	---	---	---	---	1	---	---	1	---	---

DOMESTIC

Total	1,144	1	4	770	261	108	1,061	2	4	812	173	70
37	1	---	1	---	---	---	---	---	---	---	---	---
36	---	---	---	---	---	---	1	---	1	---	---	---
34	---	---	---	---	---	---	1	1	---	---	---	---
29	2	---	2	---	---	---	2	---	2	---	---	---
27	1	---	1	---	---	---	1	---	1	---	---	---
23	1	1	---	---	---	---	1	---	---	---	---	---
18	1,139	---	---	770	261	108	1,055	---	---	812	173	70
										Total trips:		2,454

MULTNOMAH CHANNEL, OR

	Upbound						Downbound					
Grand Total	1,002	---	---	457	543	2	1,544	---	---	508	993	43

DOMESTIC

Total	1,002	---	---	457	543	2	1,544	---	---	508	993	43
14	3	---	---	2	1	---	2	---	---	2	---	---
13	3	---	---	---	3	---	2	---	---	---	2	---
12	7	---	---	7	---	---	12	---	---	12	---	---
11	28	---	---	9	19	---	29	---	---	29	---	---
10	7	---	---	6	1	---	21	---	---	20	1	---
9	134	---	---	53	81	---	130	---	---	40	90	---
8	198	---	---	90	108	---	441	---	---	117	304	20
7	75	---	---	35	40	---	150	---	---	39	111	---
6	48	---	---	46	2	---	39	---	---	36	3	---
5	205	---	---	205	---	---	198	---	---	197	1	---
4	88	---	---	---	88	---	135	---	---	---	135	---
3	126	---	---	4	122	---	312	---	---	16	296	---
2	2	---	---	---	---	2	48	---	---	---	25	23
1	78	---	---	---	78	---	25	---	---	---	25	---
										Total trips:		2,546

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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

Grand Total	2,545	400	---	1,355	730	60	2,649	384	1	1,365	855	44
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Downbound

FOREIGN

Total	400	400	---	---	---	---	386	384	1	---	1	---
40	---	---	---	---	---	---	1	1	---	---	---	---
39	---	---	---	---	---	---	1	1	---	---	---	---
38	---	---	---	---	---	---	2	2	---	---	---	---
37	6	6	---	---	---	---	---	---	---	---	---	---
36	2	2	---	---	---	---	7	7	---	---	---	---
35	12	12	---	---	---	---	12	12	---	---	---	---
34	46	46	---	---	---	---	34	34	---	---	---	---
33	25	25	---	---	---	---	28	28	---	---	---	---
32	23	23	---	---	---	---	51	51	---	---	---	---
31	28	28	---	---	---	---	36	36	---	---	---	---
30	22	22	---	---	---	---	18	18	---	---	---	---
29	49	49	---	---	---	---	16	16	---	---	---	---
28	24	24	---	---	---	---	16	16	---	---	---	---
27	24	24	---	---	---	---	19	19	---	---	---	---
26	39	39	---	---	---	---	24	24	---	---	---	---
25	46	46	---	---	---	---	41	41	---	---	---	---
24	28	28	---	---	---	---	35	34	1	---	---	---
23	9	9	---	---	---	---	16	16	---	---	---	---
22	11	11	---	---	---	---	13	13	---	---	---	---
21	3	3	---	---	---	---	7	7	---	---	---	---
20	1	1	---	---	---	---	6	6	---	---	---	---
19	1	1	---	---	---	---	2	2	---	---	---	---
17	1	1	---	---	---	---	---	---	---	---	---	---
14	---	---	---	---	---	---	1	---	---	---	1	---

DOMESTIC

Total	2,145	---	---	1,355	730	60	2,263	---	---	1,365	854	44
17	2	---	---	---	2	---	---	---	---	---	---	---
14	16	---	---	12	3	1	21	---	---	16	5	---
13	22	---	---	---	22	---	22	---	---	---	22	---
12	283	---	---	198	80	5	294	---	---	201	91	2
11	276	---	---	264	6	6	257	---	---	257	---	---
10	372	---	---	282	86	4	320	---	---	275	45	---
9	575	---	---	337	225	13	506	---	---	332	172	2
8	85	---	---	56	16	13	51	---	---	44	7	---
7	116	---	---	113	3	---	138	---	---	138	---	---
6	109	---	---	83	26	---	83	---	---	83	---	---
5	11	---	---	7	3	1	9	---	---	9	---	---
4	55	---	---	---	54	1	76	---	---	---	74	2
3	29	---	---	3	22	4	35	---	---	3	27	5
2	194	---	---	---	182	12	444	---	---	---	411	33
1	---	---	---	---	---	---	7	---	---	7	---	---

Total trips: 5,194

PORT OF VANCOUVER, WA

Inbound												
Outbound												
Grand Total	5,175	320	27	2,897	1,428	503	5,027	331	20	2,885	1,317	474

FOREIGN

Total	262	230	16	7	8	1	258	242	10	4	2	---
40	---	---	---	---	---	---	5	5	---	---	---	---
39	---	---	---	---	---	---	5	5	---	---	---	---
38	4	3	1	---	---	---	6	6	---	---	---	---
37	2	2	---	---	---	---	12	12	---	---	---	---
36	2	2	---	---	---	---	26	26	---	---	---	---
35	6	4	2	---	---	---	9	9	---	---	---	---
34	2	1	1	---	---	---	26	26	---	---	---	---
33	6	4	2	---	---	---	19	19	---	---	---	---
32	7	6	1	---	---	---	16	15	1	---	---	---
31	5	4	1	---	---	---	13	12	1	---	---	---
30	14	13	1	---	---	---	11	11	---	---	---	---
29	11	10	1	---	---	---	7	6	1	---	---	---

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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

28	11	9	2	—	—	—	10	7	3	—	—	—
27	25	24	1	—	—	—	9	8	1	—	—	—
26	12	10	2	—	—	—	15	15	—	—	—	—
25	13	13	—	—	—	—	9	8	1	—	—	—
24	14	14	—	—	—	—	9	9	—	—	—	—
23	13	12	1	—	—	—	7	7	—	—	—	—
22	16	16	—	—	—	—	10	10	—	—	—	—
21	14	14	—	—	—	—	9	9	—	—	—	—
20	20	20	—	—	—	—	8	7	1	—	—	—
19	21	19	—	—	2	—	6	6	—	—	—	—
18	44	30	—	7	6	1	11	4	1	4	2	—

DOMESTIC

Total	4,913	90	11	2,890	1,420	502	4,769	89	10	2,881	1,315	474
37	1	—	1	—	—	—	—	—	—	—	—	—
36	2	—	2	—	—	—	—	—	—	—	—	—
35	1	—	1	—	—	—	2	—	2	—	—	—
34	3	—	3	—	—	—	3	—	3	—	—	—
33	2	—	2	—	—	—	3	—	3	—	—	—
30	1	—	1	—	—	—	—	—	—	—	—	—
28	1	1	—	—	—	—	1	1	—	—	—	—
27	1	—	1	—	—	—	1	—	1	—	—	—
25	—	—	—	—	—	—	1	—	—	—	—	1
23	2	—	—	—	—	2	—	—	—	—	—	—
22	—	—	—	—	—	—	1	—	1	—	—	—
20	7	—	—	7	—	—	6	—	—	6	—	—
19	1	—	—	1	—	—	1	—	—	1	—	—
18	4,891	89	—	2,882	1,420	500	4,750	88	—	2,874	1,315	473
										Total trips:		10,202

COLUMBIA RIVER BETWEEN VANCOUVER, WA AND THE DALLES, OR

Upbound

Downbound

Grand Total	5,053	531	—	1,285	2,351	886	5,473	536	—	1,356	2,586	995
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DOMESTIC

Total	5,053	531	—	1,285	2,351	886	5,473	536	—	1,356	2,586	995
19	1	—	—	1	—	—	1	—	—	1	—	—
18	12	—	—	—	—	12	6	—	—	6	—	—
17	33	—	—	—	—	33	—	—	—	—	—	—
16	1	—	—	1	—	—	187	—	—	—	187	—
15	49	—	—	1	—	48	1	—	—	—	1	—
14	53	—	—	3	6	44	426	—	—	2	112	312
13	236	—	—	—	80	156	649	—	—	—	560	89
12	483	—	—	154	129	200	445	—	—	138	286	21
11	123	—	—	101	12	10	260	—	—	102	158	—
10	267	—	—	156	72	39	428	—	—	157	267	4
9	477	—	—	239	203	35	597	—	—	317	270	10
8	359	5	—	208	129	17	279	5	—	227	47	—
7	320	2	—	284	28	6	280	2	—	265	13	—
6	2,639	524	—	137	1,692	286	1,914	529	—	141	685	559
										Total trips:		10,526

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

Upbound

Downbound

Grand Total	3,920	7	—	864	2,140	909	4,444	7	—	971	2,476	990
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DOMESTIC

Total	3,920	7	—	864	2,140	909	4,444	7	—	971	2,476	990
18	12	—	—	—	—	12	—	—	—	—	—	—
17	33	—	—	—	—	33	—	—	—	—	—	—
16	1	—	—	—	1	—	184	—	—	—	184	—

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 ABOVE THE DALLES DAM, WA AND OR TO MCNARY LOCK AND DAM, OR AND WA - continued
Upbound Downbound

DOMESTIC

15	49	—	—	1	—	48	1	—	—	—	1	—
14	59	—	—	2	11	46	423	—	—	2	118	303
13	210	—	—	—	50	160	666	—	—	—	574	92
12	419	—	—	116	104	199	429	—	—	117	295	17
11	86	—	—	84	2	—	237	—	—	85	152	—
10	287	—	—	177	71	39	349	—	—	180	165	4
9	406	—	—	200	173	33	530	—	—	272	248	10
8	98	5	—	66	12	15	143	5	—	96	42	—
7	161	2	—	151	2	6	154	2	—	145	7	—
6	40	—	—	39	1	—	44	—	—	39	5	—
5	29	—	—	27	1	1	38	—	—	35	3	—
4	105	—	—	—	99	6	10	—	—	—	6	4
3	264	—	—	—	254	10	74	—	—	—	62	12
2	1,660	—	—	—	1,359	301	1,161	—	—	—	613	548
1	1	—	—	1	—	—	1	—	—	—	1	—
											Total trips:	8,364

PORT OF PORTLAND, OR

Grand Total	Inbound						Outbound					
	16,784	1,354	186	9,735	3,639	1,870	16,444	1,372	186	9,567	3,533	1,786

FOREIGN

Total	1,115	973	41	36	49	16	1,102	968	49	28	45	12
40	—	—	—	—	—	—	10	9	1	—	—	—
39	3	2	1	—	—	—	17	16	1	—	—	—
38	5	1	4	—	—	—	30	30	—	—	—	—
37	10	9	1	—	—	—	15	14	1	—	—	—
36	5	4	1	—	—	—	38	38	—	—	—	—
35	17	15	2	—	—	—	35	35	—	—	—	—
34	57	55	2	—	—	—	80	80	—	—	—	—
33	36	30	6	—	—	—	59	57	2	—	—	—
32	40	38	2	—	—	—	90	88	2	—	—	—
31	44	41	3	—	—	—	61	60	1	—	—	—
30	36	33	3	—	—	—	38	35	3	—	—	—
29	93	90	3	—	—	—	34	33	1	—	—	—
28	74	72	2	—	—	—	47	44	3	—	—	—
27	49	46	3	—	—	—	63	61	2	—	—	—
26	62	59	3	—	—	—	57	52	5	—	—	—
25	61	60	1	—	—	—	98	93	5	—	—	—
24	59	58	1	—	—	—	70	60	10	—	—	—
23	42	40	1	1	—	—	36	35	—	1	—	—
22	83	80	1	1	—	1	42	36	4	1	—	1
21	55	48	1	—	6	—	33	32	—	1	—	—
20	67	44	—	1	22	—	30	21	3	—	6	—
19	64	62	—	1	—	1	23	13	1	—	9	—
18	153	86	—	32	21	14	96	26	4	25	30	11

DOMESTIC

Total	15,669	381	145	9,699	3,590	1,854	15,342	404	137	9,539	3,488	1,774
39	1	—	1	—	—	—	—	—	—	—	—	—
37	1	—	1	—	—	—	—	—	—	—	—	—
36	12	—	12	—	—	—	1	—	1	—	—	—
35	30	—	30	—	—	—	3	—	3	—	—	—
34	18	1	17	—	—	—	3	1	2	—	—	—
33	5	—	5	—	—	—	1	—	1	—	—	—
32	5	—	5	—	—	—	1	—	1	—	—	—
31	1	—	1	—	—	—	2	1	1	—	—	—
30	—	—	—	—	—	—	5	2	3	—	—	—
29	10	—	10	—	—	—	2	—	2	—	—	—
28	10	—	10	—	—	—	10	—	10	—	—	—
27	23	1	22	—	—	—	7	—	7	—	—	—
26	22	—	20	—	—	2	9	—	9	—	—	—
25	1	—	1	—	—	—	4	—	3	—	—	1
24	3	—	3	—	—	—	4	1	3	—	—	—
23	4	1	3	—	—	—	26	—	26	—	—	—
22	1	—	1	—	—	—	16	—	16	—	—	—

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 - continued

Inbound							Outbound					
DOMESTIC												
21	15	—	2	—	—	13	9	—	3	—	—	6
20	64	—	—	37	—	20	29	—	—	26	—	3
19	25	—	—	10	—	15	12	—	1	9	—	1
18	15,418	378	1	9,652	3,583	1,804	15,198	399	45	9,504	3,487	1,763
Total trips:											33,228	

WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OR

Upbound							Downbound					
Grand Total	4,727	231	—	2,679	1,814	3	4,668	206	—	2,642	1,817	3
DOMESTIC												
Total	4,727	231	—	2,679	1,814	3	4,668	206	—	2,642	1,817	3
13	44	—	—	—	41	3	—	—	—	—	—	—
12	42	—	—	3	39	—	4	—	—	2	2	—
11	73	—	—	1	72	—	13	—	—	3	10	—
10	26	—	—	5	21	—	5	—	—	2	3	—
9	110	—	—	108	2	—	63	—	—	63	—	—
8	52	—	—	34	18	—	50	—	—	33	17	—
7	899	—	—	899	—	—	795	—	—	795	—	—
6	1,225	—	—	1,225	—	—	1,255	—	—	1,225	30	—
5	355	231	—	14	110	—	702	206	—	6	490	—
4	426	—	—	389	37	—	1,401	—	—	388	1,013	—
3	1	—	—	1	—	—	8	—	—	1	7	—
2	1,474	—	—	—	1,474	—	248	—	—	—	245	3
1	—	—	—	—	—	—	124	—	—	124	—	—
Total trips:											9,395	

COOS BAY, OR

Inbound							Outbound					
Grand Total	1,064	31	—	862	149	22	1,079	32	—	862	163	22
FOREIGN												
Total	39	31	—	4	4	—	56	32	—	12	12	—
36	1	1	—	—	—	—	—	—	—	—	—	—
35	—	—	—	—	—	—	1	1	—	—	—	—
34	—	—	—	—	—	—	1	1	—	—	—	—
33	—	—	—	—	—	—	5	5	—	—	—	—
32	—	—	—	—	—	—	5	5	—	—	—	—
31	1	1	—	—	—	—	3	3	—	—	—	—
30	—	—	—	—	—	—	5	5	—	—	—	—
29	2	2	—	—	—	—	5	5	—	—	—	—
28	1	1	—	—	—	—	2	2	—	—	—	—
27	3	3	—	—	—	—	—	—	—	—	—	—
26	5	5	—	—	—	—	—	—	—	—	—	—
25	4	4	—	—	—	—	—	—	—	—	—	—
24	5	5	—	—	—	—	2	2	—	—	—	—
23	2	1	—	—	—	1	1	—	—	—	1	—
22	3	1	—	—	—	2	1	—	—	—	1	—
21	1	1	—	—	—	—	1	1	—	—	—	—
20	1	1	—	—	—	—	—	—	—	—	—	—
19	3	3	—	—	—	—	1	1	—	—	—	—
16	1	—	—	—	—	1	2	1	—	—	1	—
15	2	2	—	—	—	—	7	—	—	7	—	—
14	4	—	—	—	4	—	3	—	—	3	—	—
13	—	—	—	—	—	—	2	—	—	2	—	—
12	—	—	—	—	—	—	9	—	—	—	9	—
DOMESTIC												
Total	1,025	—	—	858	145	22	1,023	—	—	850	151	22
19	19	—	—	19	—	—	16	—	—	16	—	—
18	17	—	—	17	—	—	16	—	—	15	1	—

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 - continued												
	Inbound						Outbound					
DOMESTIC												
17	1	—	—	1	—	—	3	—	—	—	—	3
16	30	—	—	30	—	—	29	—	—	27	2	—
15	21	—	—	21	—	—	25	—	—	22	2	1
14	18	—	—	14	4	—	24	—	—	11	10	3
13	23	—	—	6	17	—	14	—	—	7	7	—
12	896	—	—	750	124	22	896	—	—	752	129	15
										Total trips:		2,143
COLUMBIA RIVER SYSTEM												
	Upbound						Downbound					
Grand Total	49,967	15,977	251	20,613	9,224	3,902	15,069	2,325	201	6,883	4,781	879
FOREIGN												
Total	1,877	1,621	76	93	70	17	1,827	1,574	80	93	68	12
40	—	—	—	—	—	—	37	35	2	—	—	—
39	3	2	1	—	—	—	42	40	2	—	—	—
38	9	4	5	—	—	—	57	57	—	—	—	—
37	17	15	2	—	—	—	40	38	2	—	—	—
36	9	8	1	—	—	—	84	84	—	—	—	—
35	30	26	4	—	—	—	63	62	1	—	—	—
34	63	59	4	—	—	—	124	122	—	1	1	—
33	46	38	8	—	—	—	96	94	2	—	—	—
32	57	54	3	—	—	—	152	149	3	—	—	—
31	58	53	5	—	—	—	124	122	2	—	—	—
30	58	50	8	—	—	—	68	62	6	—	—	—
29	110	106	4	—	—	—	56	54	2	—	—	—
28	97	91	6	—	—	—	71	64	7	—	—	—
27	90	83	7	—	—	—	87	82	5	—	—	—
26	99	90	9	—	—	—	88	81	7	—	—	—
25	95	92	3	—	—	—	118	109	9	—	—	—
24	102	101	1	—	—	—	90	78	12	—	—	—
23	75	72	2	1	—	—	51	49	1	1	—	—
22	134	131	1	1	—	1	58	51	5	1	—	1
21	123	116	1	—	6	—	50	47	2	1	—	—
20	139	115	1	1	22	—	39	29	4	—	6	—
19	142	137	—	1	3	1	32	22	1	—	9	—
18	86	82	—	1	2	1	20	15	3	1	1	—
17	39	35	—	—	4	—	7	6	—	1	—	—
16	39	26	—	4	9	—	13	3	—	8	2	—
15	55	14	—	32	5	4	48	7	—	32	7	2
14	18	3	—	11	—	4	16	2	1	10	2	1
13	30	3	—	12	9	6	12	1	1	7	2	1
12	17	5	—	11	1	—	19	1	—	13	4	1
11	8	—	—	6	2	—	4	—	—	2	1	1
10	14	5	—	5	4	—	8	—	—	5	2	1
9	4	1	—	3	—	—	6	1	—	5	—	—
8	3	2	—	1	—	—	6	1	—	3	2	—
7	1	—	—	—	1	—	2	—	—	—	2	—
6	4	2	—	2	—	—	5	2	—	2	1	—
5	1	—	—	—	1	—	8	1	—	—	7	—
4	2	—	—	1	1	—	8	—	—	—	7	1
3	—	—	—	—	—	—	18	3	—	—	12	3
DOMESTIC												
Total	48,090	14,356	175	20,520	9,154	3,885	13,242	751	121	6,790	4,713	867
39	1	—	1	—	—	—	—	—	—	—	—	—
37	3	—	3	—	—	—	—	—	—	—	—	—
36	14	—	14	—	—	—	1	—	1	—	—	—
35	32	1	31	—	—	—	3	—	3	—	—	—
34	21	1	20	—	—	—	4	2	2	—	—	—
33	8	—	8	—	—	—	—	—	—	—	—	—
32	4	—	4	—	—	—	1	—	1	—	—	—
31	1	—	1	—	—	—	2	1	1	—	—	—
30	1	—	1	—	—	—	4	2	2	—	—	—
29	12	—	12	—	—	—	3	—	3	—	—	—
28	17	1	16	—	—	—	5	1	4	—	—	—

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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					
DOMESTIC												
27	27	1	26	—	—	—	4	—	4	—	—	—
26	24	—	22	—	—	2	7	—	7	—	—	—
25	3	—	3	—	—	—	3	—	1	—	—	2
24	7	2	5	—	—	—	1	—	1	—	—	—
23	8	3	3	—	—	2	26	—	26	—	—	—
22	2	—	2	—	—	—	16	—	16	—	—	—
21	15	—	2	—	—	13	9	—	3	—	—	6
20	77	—	—	49	7	21	23	—	—	21	—	2
19	35	—	—	20	—	15	24	—	1	21	1	1
18	90	—	—	36	—	54	54	—	—	42	8	4
17	109	—	—	27	5	77	24	—	—	17	5	2
16	200	—	—	48	109	43	161	—	27	41	85	8
15	136	—	1	65	5	65	76	—	7	57	10	2
14	727	—	—	358	96	273	293	—	—	74	88	131
13	897	—	—	91	544	262	466	—	4	76	329	57
12	2,377	—	—	1,684	455	238	438	—	—	271	155	12
11	3,509	—	—	3,083	359	67	727	—	—	570	143	14
10	3,755	—	—	3,489	214	52	1,051	—	—	898	153	—
9	4,197	—	—	3,426	596	175	720	—	3	638	36	43
8	2,831	151	—	2,023	541	116	652	1	4	578	25	44
7	3,027	55	—	2,799	162	11	1,205	—	—	1,187	12	6
6	2,379	2	—	2,330	37	10	1,526	—	—	1,493	30	3
5	1,583	1,071	—	371	119	22	1,529	744	—	277	495	13
4	760	—	—	396	312	52	1,604	—	—	388	1,139	77
3	14,056	13,068	—	89	746	153	773	—	—	22	648	103
2	6,930	—	—	—	4,768	2,162	1,663	—	—	1	1,325	337
1	215	—	—	136	79	—	144	—	—	118	26	—
										Total trips:		65,036

ALSEA BAY AND RIVER, OR
No Vessel Trips Reported

CHETCO RIVER, OR
(6 feet and less)

Grand Total	Upbound				Downbound				Total trips:
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Total	Pass & Dry Cargo	Tanker	Tow or Tug	
2	2	—	—	—	—	—	—	—	2

CHINOOK CHANNEL, WA
No Vessel Trips Reported

CLATSKANIE RIVER, OR
No Vessel Trips Reported

COLUMBIA RIVER AT BAKERS BAY, WA
(8 feet and less)

Grand Total	Upbound				Downbound				Total trips:
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Total	Pass & Dry Cargo	Tanker	Tow or Tug	
4	2	—	2	—	3	1	—	2	7

COLUMBIA SLOUGH, OR
No Vessel Trips Reported

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 AND MILLICOMA RIVERS, OR (7 feet and less)												
				Upbound						Downbound		
Grand Total	7	—	—	7	—	—	7	—	—	7	—	—
											Total trips:	14
COQUILLE RIVER, OR (16 feet and less)												
				Upbound						Downbound		
Grand Total	—	—	—	—	—	—	2	—	—	1	1	—
											Total trips:	2
COWLITZ RIVER, WA (3 feet and less)												
				Upbound						Downbound		
Grand Total	—	—	—	—	—	—	1	—	—	—	—	1
											Total trips:	1
DEEP RIVER, WA No Vessel Trips Reported												
DEPOE BAY, OR No Vessel Trips Reported												
ELOKOMIN SLOUGH, WA No Vessel Trips Reported												
GRAYS RIVER, WA No Vessel Trips Reported												
LAKE RIVER, WA (3 feet and less)												
				Upbound						Downbound		
Grand Total	11	—	—	11	—	—	12	—	—	12	—	—
											Total trips:	23
LEWIS RIVER, WA (3 feet and less)												
				Upbound						Downbound		
Grand Total	1	—	—	1	—	—	1	—	—	1	—	—
											Total trips:	2
PORT OF ASTORIA, OR (37 feet and less)												
				Inbound						Outbound		
Grand Total	302	86	4	180	14	18	241	28	4	180	13	16
											Total trips:	543
PORT OF ST. HELENS, OR (13 feet and less)												
				Inbound						Outbound		
Grand Total	3	1	—	1	1	—	3	1	—	1	1	—
											Total trips:	6
PORT ORFORD, OR No Vessel Trips Reported												

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
ROGUE RIVER, OR (7 feet and less)												
				Upbound						Downbound		
Grand Total	1,482	1,411	---	71	---	---	1,482	1,411	---	71	---	---
										Total trips:	---	2,964
SIUSLAW RIVER, OR (7 feet and less)												
				Upbound						Downbound		
Grand Total	49	---	---	49	---	---	193	---	---	121	72	---
										Total trips:	---	242
SKAMOKAWA (STEAMBOAT) SLOUGH, WA (11 feet and less)												
				Upbound						Downbound		
Grand Total	7	---	---	5	---	2	7	---	---	5	---	2
										Total trips:	---	14
SKAMOKAWA CREEK, WA No Vessel Trips Reported												
SKIPANON CHANNEL, OR (17 feet and less)												
				Upbound						Downbound		
Grand Total	97	---	---	48	48	1	124	---	---	39	84	1
										Total trips:	---	221
SMITH RIVER, OR No Vessel Trips Reported												
TILLAMOOK BAY AND BAR, OR (9 feet and less)												
				Inbound						Outbound		
Grand Total	5	---	---	---	5	---	5	---	---	---	5	---
										Total trips:	---	10
UMPQUA RIVER, OR (15 feet and less)												
				Upbound						Downbound		
Grand Total	97	---	---	55	42	---	94	---	---	53	41	---
										Total trips:	---	191
WESTPORT SLOUGH, OR (3 feet and less)												
				Upbound						Downbound		
Grand Total	6,534	6,534	---	---	---	---	6,534	6,534	---	---	---	---
										Total trips:	---	13,068
YAQUINA BAY AND HARBOR, OR No Vessel Trips Reported												
YAQUINA RIVER, OR No Vessel Trips Reported												

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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	1	—	—	1	—	—	—	—	—	—	—	—
											Total trips:	1

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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
Inbound

Outbound

Grand Total	815	42	—	544	224	5	788	42	1	533	205	7
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FOREIGN

Total	112	42	—	34	36	—	85	42	1	21	21	—
37	—	—	—	—	—	—	1	1	—	—	—	—
36	—	—	—	—	—	—	1	1	—	—	—	—
35	—	—	—	—	—	—	1	1	—	—	—	—
34	—	—	—	—	—	—	2	2	—	—	—	—
33	—	—	—	—	—	—	3	3	—	—	—	—
32	1	1	—	—	—	—	4	4	—	—	—	—
31	—	—	—	—	—	—	1	1	—	—	—	—
30	—	—	—	—	—	—	2	2	—	—	—	—
29	—	—	—	—	—	—	3	3	—	—	—	—
28	1	1	—	—	—	—	1	1	—	—	—	—
27	1	1	—	—	—	—	—	—	—	—	—	—
26	2	2	—	—	—	—	5	5	—	—	—	—
25	3	3	—	—	—	—	2	2	—	—	—	—
24	8	8	—	—	—	—	3	3	—	—	—	—
23	3	3	—	—	—	—	4	4	—	—	—	—
22	1	1	—	—	—	—	5	5	—	—	—	—
21	3	3	—	—	—	—	2	2	—	—	—	—
20	3	3	—	—	—	—	1	1	—	—	—	—
19	7	6	—	—	1	—	—	—	1	—	—	—
18	18	7	—	—	11	—	—	—	—	—	—	—
17	8	1	—	—	7	—	3	1	—	1	1	—
16	16	—	—	8	8	—	9	—	—	9	—	—
15	10	—	—	7	3	—	4	—	—	3	1	—
14	6	—	—	4	2	—	3	—	—	2	1	—
13	4	—	—	2	2	—	—	—	—	—	—	—
12	17	2	—	13	2	—	24	—	—	6	18	—

DOMESTIC

Total	703	—	—	510	188	5	703	—	—	512	184	7
19	3	—	—	3	—	—	3	—	—	3	—	—
18	5	—	—	5	—	—	5	—	—	5	—	—
17	4	—	—	4	—	—	8	—	—	7	—	1
16	25	—	—	4	21	—	4	—	—	4	—	—
15	11	—	—	11	—	—	17	—	—	17	—	—
14	6	—	—	6	—	—	27	—	—	16	7	4
13	17	—	—	8	9	—	13	—	—	13	—	—
12	632	—	—	469	158	5	626	—	—	447	177	2
										Total trips:	1,603	

PORT ANGELES HARBOR, WA

Inbound

Outbound

Grand Total	1,586	61	53	1,128	104	240	1,572	63	48	1,105	121	235
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FOREIGN

Total	212	61	16	71	59	5	218	63	11	65	71	8
42	1	—	1	—	—	—	—	—	—	—	—	—
40	3	—	3	—	—	—	3	—	3	—	—	—
39	—	—	—	—	—	—	1	1	—	—	—	—
38	—	—	—	—	—	—	2	2	—	—	—	—
36	1	1	—	—	—	—	2	2	—	—	—	—
35	2	—	2	—	—	—	—	—	—	—	—	—
34	—	—	—	—	—	—	1	1	—	—	—	—
33	2	1	1	—	—	—	3	3	—	—	—	—
32	—	—	—	—	—	—	5	4	1	—	—	—
31	1	—	1	—	—	—	—	—	—	—	—	—
30	1	1	—	—	—	—	—	—	—	—	—	—
29	—	—	—	—	—	—	1	1	—	—	—	—
28	3	—	3	—	—	—	3	3	—	—	—	—
26	1	1	—	—	—	—	1	1	—	—	—	—
25	3	1	2	—	—	—	3	—	3	—	—	—
24	4	4	—	—	—	—	4	4	—	—	—	—
23	3	1	2	—	—	—	1	1	—	—	—	—

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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					
FOREIGN												
22	3	3	—	—	—	—	—	—	—	—	—	—
21	1	1	—	—	—	—	1	1	—	—	—	—
20	5	2	1	2	—	—	3	—	1	2	—	—
19	2	—	—	—	2	—	1	1	—	—	—	—
18	176	45	—	69	57	5	183	38	3	63	71	8
DOMESTIC												
Total	1,374	—	37	1,057	45	235	1,354	—	37	1,040	50	227
52	3	—	3	—	—	—	—	—	—	—	—	—
48	1	—	1	—	—	—	—	—	—	—	—	—
36	—	—	—	—	—	—	3	—	3	—	—	—
33	—	—	—	—	—	—	1	—	1	—	—	—
30	2	—	2	—	—	—	2	—	2	—	—	—
28	—	—	—	—	—	—	2	—	2	—	—	—
24	—	—	—	—	—	—	1	—	1	—	—	—
23	4	—	4	—	—	—	1	—	1	—	—	—
20	7	—	—	5	—	2	9	—	—	8	—	1
19	154	—	1	143	—	10	137	—	—	137	—	—
18	1,203	—	26	909	45	223	1,198	—	27	895	50	226
										Total trips:		3,158
HAMMERSLEY INLET, WA												
	Upbound						Downbound					
Grand Total	415	—	—	218	197	—	393	—	—	214	179	—
DOMESTIC												
Total	415	—	—	218	197	—	393	—	—	214	179	—
11	1	—	—	—	1	—	13	—	—	—	13	—
10	125	—	—	124	1	—	138	—	—	113	25	—
9	12	—	—	—	12	—	67	—	—	1	66	—
8	87	—	—	87	—	—	96	—	—	95	1	—
7	—	—	—	—	—	—	1	—	—	1	—	—
6	190	—	—	7	183	—	78	—	—	4	74	—
										Total trips:		808
OLYMPIA HARBOR, WA												
	Inbound						Outbound					
Grand Total	264	14	—	174	76	—	253	12	—	173	68	—
FOREIGN												
Total	31	11	—	7	13	—	26	9	—	5	12	—
32	—	—	—	—	—	—	3	3	—	—	—	—
30	—	—	—	—	—	—	2	2	—	—	—	—
29	1	1	—	—	—	—	1	1	—	—	—	—
28	—	—	—	—	—	—	1	1	—	—	—	—
27	3	3	—	—	—	—	—	—	—	—	—	—
25	1	1	—	—	—	—	1	1	—	—	—	—
24	1	1	—	—	—	—	1	1	—	—	—	—
23	2	2	—	—	—	—	—	—	—	—	—	—
21	1	1	—	—	—	—	—	—	—	—	—	—
20	1	1	—	—	—	—	—	—	—	—	—	—
19	1	1	—	—	—	—	—	—	—	—	—	—
18	20	—	—	7	13	—	17	—	—	5	12	—
DOMESTIC												
Total	233	3	—	167	63	—	227	3	—	168	56	—
18	233	3	—	167	63	—	227	3	—	168	56	—
										Total trips:		517

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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													
			Inbound						Outbound				
Grand Total	16,014	7,411	123	6,357	843	1,280	15,895	7,352	117	6,299	825	1,302	
FOREIGN													
Total	1,450	793	43	301	268	45	1,328	773	40	243	220	52	
42	1	1	—	—	—	—	1	1	—	—	—	—	
41	1	1	—	—	—	—	13	13	—	—	—	—	
40	5	5	—	—	—	—	38	38	—	—	—	—	
39	5	5	—	—	—	—	9	8	1	—	—	—	
38	19	19	—	—	—	—	56	56	—	—	—	—	
37	30	30	—	—	—	—	7	7	—	—	—	—	
36	29	29	—	—	—	—	84	84	—	—	—	—	
35	49	49	—	—	—	—	29	29	—	—	—	—	
34	36	35	1	—	—	—	40	40	—	—	—	—	
33	82	82	—	—	—	—	33	33	—	—	—	—	
32	29	29	—	—	—	—	43	43	—	—	—	—	
31	17	16	1	—	—	—	27	27	—	—	—	—	
30	46	46	—	—	—	—	53	52	1	—	—	—	
29	28	28	—	—	—	—	28	28	—	—	—	—	
28	29	29	—	—	—	—	42	41	1	—	—	—	
27	37	35	2	—	—	—	25	24	1	—	—	—	
26	62	61	1	—	—	—	52	49	3	—	—	—	
25	45	44	1	—	—	—	46	43	2	—	—	1	
24	49	45	4	—	—	—	37	33	3	—	—	1	
23	31	30	1	—	—	—	22	21	1	—	—	—	
22	50	44	6	—	—	—	25	14	10	—	1	—	
21	20	16	4	—	—	—	18	14	4	—	—	—	
20	37	32	5	—	—	—	25	19	6	—	—	—	
19	24	17	7	—	—	—	9	6	3	—	—	—	
18	26	18	6	—	2	—	4	3	—	—	1	—	
17	26	2	1	—	23	—	7	1	—	—	—	5	
16	11	1	—	—	10	—	8	—	—	—	—	8	
15	17	—	—	4	12	1	19	—	1	3	1	14	
14	101	32	1	40	21	7	92	37	2	37	6	10	
13	13	—	—	8	3	2	11	1	—	7	1	2	
12	495	12	2	249	197	35	425	8	—	196	210	11	
DOMESTIC													
Total	14,564	6,618	80	6,056	575	1,235	14,567	6,579	77	6,056	605	1,250	
47	2	—	2	—	—	—	—	—	—	—	—	—	
39	14	—	14	—	—	—	1	—	1	—	—	—	
38	4	—	4	—	—	—	—	—	—	—	—	—	
37	2	—	2	—	—	—	—	—	—	—	—	—	
35	5	—	5	—	—	—	—	—	—	—	—	—	
34	3	—	3	—	—	—	—	—	—	—	—	—	
33	5	—	5	—	—	—	—	—	—	—	—	—	
31	1	—	1	—	—	—	1	—	1	—	—	—	
28	318	318	—	—	—	—	279	279	—	—	—	—	
27	1	—	1	—	—	—	—	—	—	—	—	—	
25	—	—	—	—	—	—	9	—	9	—	—	—	
24	—	—	—	—	—	—	1	—	1	—	—	—	
23	1	—	1	—	—	—	1	—	1	—	—	—	
22	—	—	—	—	—	—	1	—	—	1	—	—	
21	5	—	—	—	—	5	19	—	—	—	—	19	
20	9	—	—	—	7	2	10	—	2	8	—	—	
19	42	—	—	36	—	6	44	—	—	35	—	9	
18	36	—	—	31	—	5	45	—	—	32	—	13	
17	257	—	—	234	—	23	268	—	—	230	—	38	
16	207	—	—	196	—	11	211	—	—	197	—	14	
15	577	—	—	481	1	95	554	—	—	479	1	74	
14	624	—	—	543	2	79	562	—	—	537	2	23	
13	596	—	—	524	17	55	574	—	—	531	18	25	
12	11,855	6,300	42	4,004	555	954	11,987	6,300	62	4,006	584	1,035	
										Total trips:		31,909	

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SEATTLE HARBOR, WA												
Grand Total	51,292	41,174	137	6,566	2,010	1,405	34,770	41,221	146	6,695	2,080	1,407
	Inbound						Outbound					
FOREIGN												
Total	2,420	968	7	731	691	23	2,627	999	10	834	743	41
46	2	1	1	—	—	—	2	1	1	—	—	—
45	—	—	—	—	—	—	1	1	—	—	—	—
44	—	—	—	—	—	—	1	—	1	—	—	—
43	—	—	—	—	—	—	2	2	—	—	—	—
42	1	1	—	—	—	—	9	9	—	—	—	—
41	3	3	—	—	—	—	10	10	—	—	—	—
40	10	10	—	—	—	—	35	35	—	—	—	—
39	17	17	—	—	—	—	24	24	—	—	—	—
38	37	37	—	—	—	—	37	36	1	—	—	—
37	16	15	1	—	—	—	13	13	—	—	—	—
36	28	27	—	—	1	—	52	52	—	—	—	—
35	34	33	1	—	—	—	25	24	1	—	—	—
34	54	54	—	—	—	—	60	60	—	—	—	—
33	57	57	—	—	—	—	62	62	—	—	—	—
32	82	82	—	—	—	—	92	92	—	—	—	—
31	79	79	—	—	—	—	32	32	—	—	—	—
30	74	72	2	—	—	—	87	84	2	1	—	—
29	48	47	1	—	—	—	70	69	1	—	—	—
28	58	58	—	—	—	—	25	24	1	—	—	—
27	40	40	—	—	—	—	35	35	—	—	—	—
26	68	68	—	—	—	—	42	42	—	—	—	—
25	38	38	—	—	—	—	47	47	—	—	—	—
24	56	56	—	—	—	—	61	61	—	—	—	—
23	30	30	—	—	—	—	34	33	—	—	—	1
22	28	28	—	—	—	—	32	32	—	—	—	—
21	12	12	—	—	—	—	7	7	—	—	—	—
20	13	12	—	—	—	1	10	9	—	—	—	1
19	14	14	—	—	—	—	9	8	—	1	—	—
18	1,521	77	1	731	690	22	1,711	95	2	832	743	39
DOMESTIC												
Total	48,872	40,206	130	5,835	1,319	1,382	48,922	40,222	136	5,861	1,337	1,366
40	—	—	—	—	—	—	3	—	3	—	—	—
39	—	—	—	—	—	—	1	—	1	—	—	—
38	1	—	1	—	—	—	2	—	2	—	—	—
36	1	—	1	—	—	—	—	—	—	—	—	—
35	—	—	—	—	—	—	1	1	—	—	—	—
34	3	3	—	—	—	—	12	11	1	—	—	—
33	1	—	1	—	—	—	22	22	—	—	—	—
32	4	2	2	—	—	—	11	10	1	—	—	—
31	5	—	5	—	—	—	8	6	2	—	—	—
30	8	7	1	—	—	—	8	5	3	—	—	—
29	6	4	2	—	—	—	5	4	1	—	—	—
28	9	7	2	—	—	—	—	—	—	—	—	—
27	9	9	—	—	—	—	2	2	—	—	—	—
26	17	17	—	—	—	—	1	—	1	—	—	—
25	8	5	—	—	3	—	3	—	—	—	3	—
24	1	1	—	—	—	—	1	—	—	—	1	—
23	4	2	—	—	—	2	1	—	—	—	1	—
22	6	2	3	—	1	—	3	—	2	—	1	—
21	23	—	8	—	4	11	23	—	14	—	6	3
20	57	—	—	54	—	3	50	—	—	48	1	1
19	75	—	—	61	—	14	74	—	—	62	—	12
18	48,634	40,147	104	5,720	1,311	1,352	48,691	40,161	105	5,751	1,324	1,350
										Total trips:		102,841

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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

	Upbound						Downbound					
Grand Total	10,270	9,167	1	665	392	45	10,287	9,300	1	561	384	41
FOREIGN												
Total	42	3	—	27	10	2	58	8	—	28	19	3
	22	3	—	27	10	2	58	8	—	28	19	3
DOMESTIC												
Total	10,228	9,164	1	638	382	43	10,229	9,292	1	533	365	38
	22	10,228	9,164	1	638	43	10,229	9,292	1	533	365	38
										Total trips:		20,557

EVERETT HARBOR AND SNOHOMISH RIVER, WA

	Inbound						Outbound					
Grand Total	2,329	604	1	1,067	646	11	2,301	588	—	1,069	632	12
FOREIGN												
Total	312	23	1	101	187	—	305	21	—	97	186	1
	38	—	—	—	—	—	1	1	—	—	—	—
	37	2	—	—	—	—	—	—	—	—	—	—
	33	—	—	—	—	—	1	1	—	—	—	—
	32	—	—	—	—	—	3	3	—	—	—	—
	31	—	—	—	—	—	1	1	—	—	—	—
	30	1	—	—	1	—	—	—	—	—	—	—
	29	1	1	—	—	—	—	—	—	—	—	—
	27	1	1	—	—	—	1	1	—	—	—	—
	26	—	—	—	—	—	5	3	—	—	2	—
	25	—	—	—	—	—	2	2	—	—	—	—
	23	1	1	—	—	—	—	—	—	—	—	—
	22	1	1	—	—	—	1	1	—	—	—	—
	21	2	2	—	—	—	—	—	—	—	—	—
	20	—	—	—	—	—	2	1	—	—	1	—
	19	2	2	—	—	—	—	—	—	—	—	—
	18	301	13	1	101	186	288	7	—	97	183	1
DOMESTIC												
Total	2,017	581	—	966	459	11	1,996	567	—	972	446	11
	19	7	—	7	—	—	8	—	—	8	—	—
	18	2,010	581	—	959	11	1,988	567	—	964	446	11
										Total trips:		4,630

SWINOMISH CHANNEL, WA

	Upbound						Downbound					
Grand Total	311	122	—	167	22	—	308	120	—	170	18	—
DOMESTIC												
Total	311	122	—	167	22	—	308	120	—	170	18	—
	13	6	—	6	—	—	7	—	—	7	—	—
	12	8	—	8	—	—	11	—	—	11	—	—
	10	53	—	53	—	—	64	—	—	49	15	—
	9	27	—	27	—	—	23	—	—	23	—	—
	8	71	—	71	—	—	75	—	—	74	1	—
	7	82	80	1	1	—	81	80	—	1	—	—
	6	64	42	1	21	—	47	40	—	5	2	—
										Total trips:		619

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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													
			Inbound						Outbound				
Grand Total	8,551	5,200	273	2,368	67	643	8,493	5,212	269	2,364	52	596	
FOREIGN													
Total	428	52	34	214	60	68	374	64	28	179	45	58	
47	1	—	1	—	—	—	—	—	—	—	—	—	
46	1	—	1	—	—	—	1	—	1	—	—	—	
45	1	—	1	—	—	—	—	—	—	—	—	—	
44	2	—	2	—	—	—	—	—	—	—	—	—	
43	1	—	1	—	—	—	1	—	1	—	—	—	
42	2	—	2	—	—	—	—	—	—	—	—	—	
41	2	—	1	—	—	1	1	—	1	—	—	—	
40	—	—	—	—	—	—	3	—	3	—	—	—	
39	2	—	2	—	—	—	1	—	1	—	—	—	
38	1	—	1	—	—	—	2	—	2	—	—	—	
37	1	—	1	—	—	—	1	—	1	—	—	—	
36	2	—	2	—	—	—	1	—	1	—	—	—	
35	3	—	3	—	—	—	5	3	2	—	—	—	
34	2	—	2	—	—	—	2	1	1	—	—	—	
33	2	—	2	—	—	—	5	4	1	—	—	—	
32	2	2	—	—	—	—	3	2	1	—	—	—	
31	1	—	1	—	—	—	4	3	1	—	—	—	
30	1	—	1	—	—	—	1	1	—	—	—	—	
29	2	—	2	—	—	—	4	2	2	—	—	—	
28	2	1	1	—	—	—	6	5	1	—	—	—	
27	2	1	1	—	—	—	3	—	3	—	—	—	
26	1	—	1	—	—	—	3	3	—	—	—	—	
25	2	—	1	—	—	—	3	—	3	—	—	—	
24	3	1	2	—	—	—	1	—	1	—	—	—	
23	2	2	—	—	—	—	1	—	—	—	—	1	
22	2	2	—	—	—	—	—	—	—	—	—	—	
21	5	4	1	—	—	—	—	—	—	—	—	—	
20	13	9	1	2	—	1	2	1	—	—	—	1	
18	367	29	—	212	60	66	320	39	1	179	45	56	
			DOMESTIC										
Total	8,123	5,148	239	2,154	7	575	8,119	5,148	241	2,185	7	538	
47	1	—	1	—	—	—	—	—	—	—	—	—	
46	1	—	1	—	—	—	—	—	—	—	—	—	
44	10	—	10	—	—	—	—	—	—	—	—	—	
43	14	—	14	—	—	—	—	—	—	—	—	—	
42	12	—	12	—	—	—	—	—	—	—	—	—	
41	3	—	3	—	—	—	—	—	—	—	—	—	
40	9	—	9	—	—	—	—	—	—	—	—	—	
39	16	—	16	—	—	—	3	—	3	—	—	—	
38	27	—	27	—	—	—	5	—	5	—	—	—	
37	23	—	23	—	—	—	5	—	5	—	—	—	
36	12	—	12	—	—	—	1	—	1	—	—	—	
35	8	—	8	—	—	—	3	—	3	—	—	—	
34	6	—	6	—	—	—	5	—	5	—	—	—	
33	2	—	2	—	—	—	5	—	5	—	—	—	
32	1	—	1	—	—	—	2	—	2	—	—	—	
31	3	—	3	—	—	—	10	—	10	—	—	—	
30	2	—	2	—	—	—	5	—	5	—	—	—	
29	1	—	1	—	—	—	11	—	11	—	—	—	
28	5	—	5	—	—	—	9	—	9	—	—	—	
27	6	—	6	—	—	—	12	—	12	—	—	—	
26	5	—	5	—	—	—	24	—	21	—	—	3	
25	3	—	1	—	—	2	17	—	16	—	—	1	
24	1	—	1	—	—	—	3	—	3	—	—	—	
23	25	—	25	—	—	—	5	—	3	—	—	2	
22	4	—	2	2	—	—	3	—	1	1	—	1	
21	12	—	9	—	—	3	14	—	10	—	—	4	
20	44	—	—	44	—	—	94	—	27	59	—	8	
19	371	—	1	365	—	5	389	—	—	374	—	15	
18	7,496	5,148	33	1,743	7	565	7,494	5,148	84	1,751	7	504	
										Total trips:		17,044	

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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

	Inbound						Outbound					
Grand Total	944	441	1	442	50	10	940	444	1	437	47	11

FOREIGN

Total	49	9	—	21	17	2	49	11	—	21	15	2
32	—	—	—	—	—	—	1	1	—	—	—	—
31	1	1	—	—	—	—	—	—	—	—	—	—
24	2	2	—	—	—	—	2	2	—	—	—	—
23	2	1	—	1	—	—	1	—	—	1	—	—
19	—	—	—	—	—	—	1	1	—	—	—	—
18	44	5	—	20	17	2	44	7	—	20	15	2

DOMESTIC

Total	895	432	1	421	33	8	891	433	1	416	32	9
24	1	—	1	—	—	—	—	—	—	—	—	—
20	3	—	—	3	—	—	3	—	—	3	—	—
19	148	—	—	148	—	—	149	—	—	149	—	—
18	743	432	—	270	33	8	739	433	1	264	32	9
										Total trips:		1,884

BLAINE HARBOR, WA
No Vessel Trips Reported

COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WA
(12 feet and less)

	Upbound						Downbound					
Grand Total	15,768	15,762	—	6	—	—	15,768	15,762	—	6	—	—
										Total trips:		31,536

FLATHEAD LAKE, MT
No Vessel Trips Reported

HOQUIAM RIVER, WA
(10 feet and less)

	Upbound						Downbound					
Grand Total	69	—	—	69	—	—	64	—	—	64	—	—
										Total trips:		133

KOOTENAI RIVER, ID AND MT
No Vessel Trips Reported

NEAH BAY, WA
(14 feet and less)

	Inbound						Outbound					
Grand Total	4	1	—	3	—	—	6	1	—	5	—	—
										Total trips:		10

PORT GAMBLE HARBOR, WA
(13 feet and less)

	Inbound						Outbound					
Grand Total	29	—	—	26	3	—	31	—	—	28	3	—
										Total trips:		60

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 TOWNSEND HARBOR, WA (22 feet and less)												
				Inbound						Outbound		
Grand Total	4,407	4,202	---	128	60	17	4,410	4,203	---	124	72	11
										Total trips:		8,817
QUILLAYUTE RIVER, WA (19 feet and less)												
				Upbound						Downbound		
Grand Total	5	---	---	5	---	---	4	---	---	3	---	1
										Total trips:		9
SKAGIT RIVER, WA (9 feet and less)												
				Upbound						Downbound		
Grand Total	16	14	---	1	---	1	15	14	---	1	---	---
										Total trips:		31
STILLAGUAMISH RIVER, WA No Vessel Trips Reported												
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WA (14 feet and less)												
				Upbound						Downbound		
Grand Total	52	---	---	39	13	---	45	---	---	45	---	---
										Total trips:		97
WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WA (12 feet and less)												
				Inbound						Outbound		
Grand Total	---	---	---	---	---	---	1	---	---	1	---	---
										Total trips:		1
COEUR D ALENE LAKE AND ST. JOE RIVER, ID (7 feet and less)												
				Upbound						Downbound		
Grand Total	345	---	---	345	---	---	345	---	---	345	---	---
										Total trips:		690
OTHER PUGET SOUND AREA PORTS, WA (55 feet and less)												
				Inbound						Outbound		
Grand Total	117,068	111,082	311	3,988	1,091	596	117,009	111,041	318	4,009	1,094	547
										Total trips:		234,077

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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

	Inbound						Outbound					
Grand Total	2,946	1,604	—	634	585	123	2,956	1,599	—	635	596	126

FOREIGN

Total	995	820	—	83	91	1	1,013	815	—	90	106	2
31	2	2	—	—	—	—	1	1	—	—	—	—
30	1	1	—	—	—	—	1	1	—	—	—	—
28	11	11	—	—	—	—	13	13	—	—	—	—
27	82	82	—	—	—	—	79	79	—	—	—	—
26	69	67	—	—	2	—	70	68	—	—	2	—
25	120	119	—	—	1	—	126	125	—	—	1	—
24	77	76	—	—	1	—	97	96	—	—	1	—
23	40	40	—	—	—	—	27	27	—	—	—	—
22	3	3	—	—	—	—	3	3	—	—	—	—
21	20	20	—	—	—	—	23	23	—	—	—	—
20	1	1	—	—	—	—	1	1	—	—	—	—
18	1	—	—	—	1	—	2	—	—	—	2	—
17	4	4	—	—	—	—	6	6	—	—	—	—
16	28	2	—	12	14	—	30	3	—	15	12	—
15	10	9	—	1	—	—	15	8	—	6	1	—
14	38	4	—	19	15	—	44	7	—	20	17	—
13	23	7	—	5	11	—	23	7	—	4	11	1
12	465	372	—	46	46	1	452	347	—	45	59	1

DOMESTIC

Total	1,951	784	—	551	494	122	1,943	784	—	545	490	124
21	1	—	—	—	1	—	1	—	—	—	1	—
20	27	—	—	27	—	—	26	—	—	26	—	—
18	62	20	—	42	—	—	62	20	—	42	—	—
17	135	134	—	—	—	1	167	167	—	—	—	—
16	18	—	—	15	2	1	18	—	—	16	2	—
15	278	238	—	31	8	1	264	224	—	32	8	—
14	151	—	—	91	57	3	141	—	—	81	60	—
13	366	346	—	15	1	4	354	328	—	14	—	12
12	913	46	—	330	425	112	910	45	—	334	419	112
										Total trips:		5,902

WRANGELL NARROWS, AK

	Upbound						Downbound					
Grand Total	2,006	1,173	—	363	372	98	2,007	1,249	—	322	341	95

DOMESTIC

Total	2,006	1,173	—	363	372	98	2,007	1,249	—	322	341	95
21	—	—	—	—	—	—	2	—	—	—	2	—
20	28	—	—	28	—	—	25	—	—	25	—	—
18	91	49	—	42	—	—	66	30	—	36	—	—
17	329	329	—	—	—	—	493	492	—	—	—	1
16	42	25	—	15	2	—	32	19	—	11	2	—
15	450	403	—	39	8	—	551	508	—	34	8	1
14	107	5	—	40	62	—	91	—	—	31	60	—
13	369	347	—	14	—	8	209	188	—	19	1	1
12	590	15	—	185	300	90	538	12	—	166	268	92
										Total trips:		4,013

JUNEAU HARBOR, AK

	Upbound						Downbound					
Grand Total	2,574	1,961	—	280	252	81	2,561	1,971	—	261	257	72

FOREIGN

Total	332	330	—	2	—	—	318	316	—	2	—	—
33	—	—	—	—	—	—	1	1	—	—	—	—
30	—	—	—	—	—	—	2	2	—	—	—	—

Trips and Drafts of Vessels, 2001
(draft in feet)

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

JUNEAU HARBOR, AK - continued

	Upbound						Downbound					
FOREIGN												
28	2	2	—	—	—	—	5	5	—	—	—	—
27	46	46	—	—	—	—	44	44	—	—	—	—
26	70	70	—	—	—	—	62	62	—	—	—	—
25	84	84	—	—	—	—	81	81	—	—	—	—
24	59	59	—	—	—	—	63	63	—	—	—	—
23	31	31	—	—	—	—	29	29	—	—	—	—
22	2	2	—	—	—	—	—	—	—	—	—	—
21	17	17	—	—	—	—	15	15	—	—	—	—
20	2	2	—	—	—	—	1	1	—	—	—	—
19	1	1	—	—	—	—	1	1	—	—	—	—
17	2	2	—	—	—	—	2	2	—	—	—	—
15	5	5	—	—	—	—	2	2	—	—	—	—
13	1	—	—	—	1	—	1	—	—	1	—	—
12	8	7	—	—	1	—	8	7	—	1	—	—
10	2	2	—	—	—	—	—	—	—	—	—	—
7	—	—	—	—	—	—	1	1	—	—	—	—
DOMESTIC												
Total	2,242	1,631	—	278	252	81	2,243	1,655	—	259	257	72
21	1	—	—	—	1	—	1	—	—	—	1	—
20	28	—	—	28	—	—	26	—	—	26	—	—
18	63	20	—	43	—	—	62	20	—	42	—	—
17	82	82	—	—	—	—	165	165	—	—	—	—
16	44	27	—	16	1	—	45	28	—	16	1	—
15	341	321	—	16	4	—	298	278	—	16	4	—
14	58	—	—	27	31	—	58	—	—	27	31	—
13	247	233	—	11	—	3	181	172	—	9	—	—
12	22	—	—	14	—	8	13	—	—	13	—	—
11	72	—	—	30	37	5	66	—	—	27	37	2
10	53	—	—	42	—	11	47	—	—	38	—	9
9	36	16	—	14	—	6	27	3	—	19	—	5
8	62	17	—	37	—	8	46	16	—	26	—	4
7	14	9	—	—	—	5	17	9	—	—	—	8
6	8	4	—	—	4	—	13	4	—	—	3	6
5	96	—	—	—	89	7	98	—	—	—	91	7
4	244	230	—	—	—	14	18	—	—	—	—	18
3	754	672	—	—	74	8	1,041	960	—	—	75	6
2	17	—	—	—	11	6	21	—	—	—	14	7
											Total trips:	5,135

VALDEZ HARBOR, AK

	Inbound						Outbound					
Grand Total	808	257	462	49	19	21	806	247	451	64	18	26
FOREIGN												
Total	7	2	3	1	—	1	4	3	1	—	—	—
49	1	—	1	—	—	—	1	—	1	—	—	—
35	1	—	1	—	—	—	—	—	—	—	—	—
21	1	—	1	—	—	—	—	—	—	—	—	—
19	1	—	—	1	—	—	1	1	—	—	—	—
18	1	1	—	—	—	—	—	—	—	—	—	—
16	—	—	—	—	—	—	2	2	—	—	—	—
15	1	1	—	—	—	—	—	—	—	—	—	—
12	1	—	—	—	—	1	—	—	—	—	—	—
DOMESTIC												
Total	801	255	459	48	19	20	802	244	450	64	18	26
65	—	—	—	—	—	—	1	—	1	—	—	—
62	—	—	—	—	—	—	1	—	1	—	—	—
61	—	—	—	—	—	—	1	—	1	—	—	—
60	—	—	—	—	—	—	1	—	1	—	—	—
59	—	—	—	—	—	—	12	—	12	—	—	—
58	—	—	—	—	—	—	15	—	15	—	—	—
57	—	—	—	—	—	—	13	—	13	—	—	—
56	—	—	—	—	—	—	6	—	6	—	—	—

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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												
55	—	—	—	—	—	—	17	—	17	—	—	—
54	—	—	—	—	—	—	18	—	18	—	—	—
53	—	—	—	—	—	—	17	—	17	—	—	—
52	—	—	—	—	—	—	33	—	33	—	—	—
51	1	—	1	—	—	—	7	—	7	—	—	—
50	—	—	—	—	—	—	5	—	5	—	—	—
49	—	—	—	—	—	—	7	—	7	—	—	—
48	32	—	32	—	—	—	5	—	5	—	—	—
47	—	—	—	—	—	—	26	—	26	—	—	—
46	1	—	1	—	—	—	11	—	11	—	—	—
45	—	—	—	—	—	—	12	—	12	—	—	—
44	—	—	—	—	—	—	43	—	43	—	—	—
43	—	—	—	—	—	—	22	—	22	—	—	—
42	2	—	2	—	—	—	10	—	10	—	—	—
41	5	—	5	—	—	—	17	—	17	—	—	—
40	3	—	3	—	—	—	25	—	25	—	—	—
39	2	—	2	—	—	—	45	—	45	—	—	—
38	1	—	1	—	—	—	39	—	39	—	—	—
37	—	—	—	—	—	—	28	—	28	—	—	—
36	—	—	—	—	—	—	6	—	6	—	—	—
35	—	—	—	—	—	—	3	—	3	—	—	—
34	1	—	1	—	—	—	1	—	1	—	—	—
33	—	—	—	—	—	—	1	—	1	—	—	—
30	7	—	7	—	—	—	—	—	—	—	—	—
29	3	—	3	—	—	—	—	—	—	—	—	—
28	1	—	1	—	—	—	1	—	1	—	—	—
27	18	—	18	—	—	—	—	—	—	—	—	—
26	43	—	43	—	—	—	—	—	—	—	—	—
25	68	—	68	—	—	—	—	—	—	—	—	—
24	—	—	—	—	—	—	1	—	—	—	—	1
23	13	—	13	—	—	—	—	—	—	—	—	—
22	7	—	7	—	—	—	4	—	—	—	3	1
21	1	—	—	—	1	—	3	—	—	—	2	1
20	50	—	41	8	1	—	21	—	—	17	3	1
19	11	—	—	11	—	—	18	—	—	13	2	3
18	1	—	—	—	1	—	8	—	1	—	7	—
17	1	—	—	1	—	—	1	—	—	1	—	—
16	1	—	1	—	—	—	—	—	—	—	—	—
15	45	39	6	—	—	—	17	17	—	—	—	—
14	91	54	19	18	—	—	76	54	—	21	—	1
13	3	—	—	3	—	—	6	—	—	4	—	2
12	389	162	184	7	16	20	198	173	—	8	1	16
										Total trips:		1,614

SEWARD HARBOR, AK

	Inbound						Outbound					
Grand Total	614	596	—	12	6	—	599	580	—	13	6	—
FOREIGN												
Total	127	127	—	—	—	—	122	122	—	—	—	—
40	—	—	—	—	—	—	4	4	—	—	—	—
36	—	—	—	—	—	—	2	2	—	—	—	—
32	—	—	—	—	—	—	1	1	—	—	—	—
30	—	—	—	—	—	—	1	1	—	—	—	—
29	—	—	—	—	—	—	1	1	—	—	—	—
27	28	28	—	—	—	—	27	27	—	—	—	—
26	23	23	—	—	—	—	24	24	—	—	—	—
25	32	32	—	—	—	—	32	32	—	—	—	—
24	23	23	—	—	—	—	25	25	—	—	—	—
23	11	11	—	—	—	—	2	2	—	—	—	—
22	1	1	—	—	—	—	—	—	—	—	—	—
20	1	1	—	—	—	—	1	1	—	—	—	—
19	1	1	—	—	—	—	—	—	—	—	—	—
18	1	1	—	—	—	—	—	—	—	—	—	—
16	1	1	—	—	—	—	1	1	—	—	—	—
15	3	3	—	—	—	—	1	1	—	—	—	—
10	2	2	—	—	—	—	—	—	—	—	—	—

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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					
DOMESTIC												
Total	487	469	---	12	6	---	477	458	---	13	6	---
15	64	63	---	1	---	---	37	36	---	1	---	---
14	69	66	---	3	---	---	80	77	---	3	---	---
13	9	8	---	---	1	---	14	13	---	1	---	---
12	5	---	---	4	1	---	9	---	---	7	2	---
9	333	329	---	4	---	---	330	329	---	1	---	---
8	1	---	---	---	1	---	---	---	---	---	---	---
7	---	---	---	---	---	---	1	---	---	---	1	---
5	1	---	---	---	1	---	1	---	---	---	1	---
2	5	3	---	---	2	---	5	3	---	---	2	---
										Total trips:		1,213
HOMER, AK												
	Inbound						Outbound					
Grand Total	264	196	8	23	9	28	257	193	6	22	10	26
FOREIGN												
Total	40	24	7	4	5	---	34	19	5	4	6	---
38	1	1	---	---	---	---	1	1	---	---	---	---
35	---	---	---	---	---	---	1	1	---	---	---	---
34	---	---	---	---	---	---	1	1	---	---	---	---
32	2	1	1	---	---	---	2	1	1	---	---	---
31	1	---	1	---	---	---	---	---	---	---	---	---
29	2	2	---	---	---	---	1	1	---	---	---	---
28	2	1	1	---	---	---	2	1	1	---	---	---
27	2	1	1	---	---	---	1	---	1	---	---	---
26	1	---	1	---	---	---	1	---	1	---	---	---
25	1	---	1	---	---	---	---	---	---	---	---	---
24	1	1	---	---	---	---	---	---	---	---	---	---
23	1	---	1	---	---	---	1	---	1	---	---	---
22	1	1	---	---	---	---	2	1	---	---	1	---
21	2	2	---	---	---	---	3	3	---	---	---	---
20	7	5	---	2	---	---	7	5	---	2	---	---
19	3	2	---	1	---	---	4	2	---	2	---	---
18	3	3	---	---	---	---	2	1	---	---	1	---
16	3	2	---	---	1	---	---	---	---	---	---	---
15	3	2	---	1	---	---	2	1	---	---	1	---
13	1	---	---	---	1	---	---	---	---	---	---	---
12	---	---	---	---	---	---	1	---	---	---	1	---
11	1	---	---	---	1	---	1	---	---	---	1	---
8	1	---	---	---	1	---	---	---	---	---	---	---
6	1	---	---	---	1	---	---	---	---	---	---	---
3	---	---	---	---	---	---	1	---	---	---	1	---
DOMESTIC												
Total	224	172	1	19	4	28	223	174	1	18	4	26
34	---	---	---	---	---	---	1	---	1	---	---	---
27	1	---	1	---	---	---	---	---	---	---	---	---
20	3	---	---	2	---	1	1	---	---	1	---	---
19	1	---	---	---	---	---	---	---	---	---	---	---
17	2	---	---	1	1	---	3	---	---	1	1	1
15	3	2	---	1	---	---	7	6	---	1	---	---
14	117	104	---	12	---	1	114	102	---	12	---	---
13	6	---	---	2	---	4	4	---	---	3	---	1
12	3	---	---	1	1	---	1	---	---	---	1	---
11	2	---	---	---	---	2	1	---	---	---	---	1
10	5	---	---	---	1	4	2	---	---	---	---	2
9	5	1	---	---	---	4	4	1	---	---	---	3
8	2	---	---	---	---	2	4	---	---	---	---	4
7	1	---	---	---	---	1	3	---	---	---	---	3
6	1	---	---	---	---	1	1	---	---	---	---	1
5	1	---	---	---	1	---	1	---	---	---	1	---
4	36	34	---	---	---	2	50	47	---	---	1	2
3	4	---	---	---	---	4	8	---	---	---	---	8
2	31	31	---	---	---	---	18	18	---	---	---	---
										Total trips:		521

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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	542	303	10	108	69	52	543	324	9	97	59	54

FOREIGN

Total	57	37	9	4	7	—	59	40	9	4	6	—
37	—	—	—	—	—	—	1	—	1	—	—	—
36	—	—	—	—	—	—	3	1	2	—	—	—
35	—	—	—	—	—	—	2	—	2	—	—	—
34	—	—	—	—	—	—	4	1	3	—	—	—
32	2	2	—	—	—	—	1	—	1	—	—	—
31	2	2	—	—	—	—	—	—	—	—	—	—
29	1	1	—	—	—	—	—	—	—	—	—	—
28	1	1	—	—	—	—	—	—	—	—	—	—
27	—	—	—	—	—	—	1	1	—	—	—	—
26	6	1	5	—	—	—	1	1	—	—	—	—
25	4	—	4	—	—	—	1	1	—	—	—	—
24	5	5	—	—	—	—	2	2	—	—	—	—
23	—	—	—	—	—	—	1	1	—	—	—	—
21	4	4	—	—	—	—	10	10	—	—	—	—
20	2	1	—	1	—	—	6	4	—	1	1	—
19	3	2	—	1	—	—	7	6	—	1	—	—
18	6	5	—	—	1	—	3	2	—	—	1	—
17	3	3	—	—	—	—	3	3	—	—	—	—
16	5	4	—	1	—	—	3	3	—	—	—	—
15	4	4	—	—	—	—	7	4	—	—	3	—
14	1	1	—	—	—	—	—	—	—	—	—	—
13	1	1	—	—	—	—	—	—	—	—	—	—
12	7	—	—	1	6	—	3	—	2	—	1	—

DOMESTIC

Total	485	266	1	104	62	52	484	284	—	93	53	54
28	266	266	—	—	—	—	284	284	—	—	—	—
24	—	—	—	—	—	—	1	—	—	—	—	1
23	1	—	1	—	—	—	3	—	—	—	2	1
22	4	—	—	—	3	1	—	—	—	—	—	—
21	9	—	—	—	8	1	6	—	—	—	6	—
20	23	—	—	17	5	1	18	—	—	16	—	2
19	16	—	—	11	2	3	10	—	—	9	—	1
18	7	—	—	—	7	—	1	—	—	—	—	1
17	3	—	—	—	2	1	4	—	—	—	1	3
16	1	—	—	—	—	1	2	—	—	—	1	1
15	19	—	—	5	13	1	21	—	—	6	12	3
14	31	—	—	25	6	—	40	—	—	28	6	6
13	26	—	—	20	3	3	17	—	—	11	1	5
12	79	—	—	26	13	40	77	—	—	23	24	30
										Total trips:		1,085

UNALASKA BAY AND ISLAND, AK

	Inbound						Outbound					
Grand Total	621	470	—	70	39	42	586	442	—	64	34	46

FOREIGN

Total	193	193	—	—	—	—	189	188	—	1	—	—
34	24	24	—	—	—	—	24	24	—	—	—	—
33	5	5	—	—	—	—	3	3	—	—	—	—
32	9	9	—	—	—	—	12	12	—	—	—	—
31	11	11	—	—	—	—	10	10	—	—	—	—
30	5	5	—	—	—	—	6	6	—	—	—	—
29	5	5	—	—	—	—	9	9	—	—	—	—
28	1	1	—	—	—	—	4	4	—	—	—	—
27	3	3	—	—	—	—	3	3	—	—	—	—
26	2	2	—	—	—	—	1	1	—	—	—	—
25	2	2	—	—	—	—	1	1	—	—	—	—
24	3	3	—	—	—	—	4	4	—	—	—	—
23	3	3	—	—	—	—	5	5	—	—	—	—
22	3	3	—	—	—	—	10	10	—	—	—	—
21	6	6	—	—	—	—	12	12	—	—	—	—

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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

FOREIGN

20	10	10	—	—	—	—	21	21	—	—	—	—
19	16	16	—	—	—	—	14	14	—	—	—	—
18	11	11	—	—	—	—	11	11	—	—	—	—
17	12	12	—	—	—	—	9	9	—	—	—	—
16	18	18	—	—	—	—	10	10	—	—	—	—
15	26	26	—	—	—	—	12	11	—	1	—	—
14	14	14	—	—	—	—	6	6	—	—	—	—
13	3	3	—	—	—	—	2	2	—	—	—	—
11	1	1	—	—	—	—	—	—	—	—	—	—

DOMESTIC

Total	428	277	—	70	39	42	397	254	—	63	34	46
28	43	43	—	—	—	—	41	41	—	—	—	—
24	1	—	—	—	—	1	—	—	—	—	—	—
23	2	—	—	—	2	—	1	—	—	—	—	1
22	3	—	—	—	3	—	1	—	—	—	1	—
21	2	—	—	—	2	—	1	—	—	—	1	—
20	14	—	—	10	4	—	14	—	—	10	4	—
19	15	—	—	13	2	—	11	—	—	11	—	—
18	10	6	—	—	1	3	6	6	—	—	—	—
17	10	7	—	—	2	1	9	7	—	—	1	1
16	12	10	—	—	2	—	9	8	—	—	1	—
15	28	24	—	—	4	—	29	24	—	—	5	—
14	67	47	—	16	4	—	53	35	—	14	4	—
13	19	19	—	—	—	—	19	19	—	—	—	—
12	56	34	—	18	3	1	53	35	—	17	1	—
11	37	24	—	12	—	1	33	23	—	10	—	—
10	40	38	—	—	2	—	37	35	—	—	2	—
9	11	8	—	1	1	1	7	4	—	1	1	1
8	12	11	—	—	—	1	14	11	—	—	3	—
7	6	4	—	—	2	—	8	4	—	—	2	2
6	6	2	—	—	2	2	13	2	—	—	3	8
5	5	—	—	—	1	4	7	—	—	—	2	5
4	8	—	—	—	1	7	14	—	—	—	2	12
3	15	—	—	—	1	14	11	—	—	—	1	10
2	4	—	—	—	—	4	6	—	—	—	—	6
1	2	—	—	—	—	2	—	—	—	—	—	—

Total trips: 1,207

BETHEL HARBOR, AK
(15 feet and less)

Inbound

Outbound

Grand Total	205	—	—	100	99	6	202	—	—	95	100	7
											Total trips:	407

CORDOVA HARBOR, AK
(16 feet and less)

Inbound

Outbound

Grand Total	240	190	—	33	—	17	244	194	—	33	—	17
											Total trips:	484

CRAIG HARBOR, AK
(15 feet and less)

Inbound

Outbound

Grand Total	70	8	—	28	9	25	70	8	—	28	9	25
											Total trips:	140

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
DILLINGHAM HARBOR, AK (21 feet and less)												
				Inbound						Outbound		
Grand Total	87	22	---	25	23	17	94	23	---	27	24	20
										Total trips:		181
DOUGLAS HARBOR, AK (12 feet and less)												
				Inbound						Outbound		
Grand Total	950	940	---	9	1	---	950	941	---	8	1	---
										Total trips:		1,900
DRY PASS, AK No Vessel Trips Reported												
EGEGIK RIVER, AK (13 feet and less)												
				Inbound						Outbound		
Grand Total	21	1	---	3	15	2	20	1	---	4	14	1
										Total trips:		41
ELFIN COVE HARBOR, AK (12 feet and less)												
				Inbound						Outbound		
Grand Total	4	---	---	3	---	1	3	---	---	3	---	---
										Total trips:		7
GASTINEAU CHANNEL, AK No Vessel Trips Reported												
HOONAH HARBOR, AK (32 feet and less)												
				Inbound						Outbound		
Grand Total	353	250	---	42	41	20	351	253	---	38	40	20
										Total trips:		704
HUMBOLDT HARBOR, AK (25 feet and less)												
				Inbound						Outbound		
Grand Total	219	197	---	16	---	6	199	173	---	17	---	9
										Total trips:		418
KAKE HARBOR, AK (17 feet and less)												
				Inbound						Outbound		
Grand Total	314	175	---	31	85	23	314	175	---	33	84	22
										Total trips:		628
KING COVE LAGOON, AK (25 feet and less)												
				Inbound						Outbound		
Grand Total	210	179	---	20	6	5	212	188	---	16	5	3
										Total trips:		422

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self 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 (28 feet and less)												
				Inbound						Outbound		
Grand Total	380	266	---	58	5	51	377	271	---	55	4	47
										Total trips:		757
METLAKATLA HARBOR, AK (15 feet and less)												
				Inbound						Outbound		
Grand Total	540	332	---	107	90	11	540	328	---	109	93	10
										Total trips:		1,080
NAKNEK RIVER, AK (23 feet and less)												
				Upbound						Downbound		
Grand Total	115	17	---	37	48	13	93	11	---	30	41	11
										Total trips:		208
NINILCHIK HARBOR, AK No Vessel Trips Reported												
NOME, AK (24 feet and less)												
				Inbound						Outbound		
Grand Total	57	2	---	26	21	8	57	2	---	26	24	5
										Total trips:		114
OLD HARBOR, AK (15 feet and less)												
				Inbound						Outbound		
Grand Total	22	16	---	3	---	3	20	16	---	2	---	2
										Total trips:		42
PELICAN HARBOR, AK (15 feet and less)												
				Inbound						Outbound		
Grand Total	96	64	---	6	18	8	97	65	---	6	18	8
										Total trips:		193
PETERSBURG HARBOR, AK (20 feet and less)												
				Inbound						Outbound		
Grand Total	1,035	502	---	225	286	22	1,040	504	---	225	288	23
										Total trips:		2,075
PORT ALEXANDER, AK No Vessel Trips Reported												
SELDOVIA HARBOR, AK (15 feet and less)												
				Inbound						Outbound		
Grand Total	59	51	---	3	1	4	78	71	---	2	1	4
										Total trips:		137

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels	
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker
SERGIUS AND WHITESTONE NARROWS, AK (18 feet and less)												
				Upbound							Downbound	
Grand Total	560	302	—	65	164	29	677	421	—	57	169	30
										Total trips:		1,237
SITKA HARBOR, AK (28 feet and less)												
				Inbound							Outbound	
Grand Total	1,527	1,225	—	92	174	36	1,557	1,256	—	93	177	31
										Total trips:		3,084
SKAGWAY HARBOR, AK (27 feet and less)												
				Inbound							Outbound	
Grand Total	783	640	—	64	65	14	815	672	—	62	67	14
										Total trips:		1,598
STIKINE RIVER, AK No Vessel Trips Reported												
WRANGELL HARBOR, AK (26 feet and less)												
				Inbound							Outbound	
Grand Total	763	341	—	188	212	22	763	352	—	181	210	20
										Total trips:		1,526
CHATHAM STRAIT, AK (33 feet and less)												
				Upbound							Downbound	
Grand Total	1,970	1,447	—	162	284	77	2,038	1,432	—	246	260	100
										Total trips:		4,008
CLARENCE STRAIT, AK (26 feet and less)												
				Upbound							Downbound	
Grand Total	2,052	1,129	—	404	423	96	1,932	1,176	—	336	357	63
										Total trips:		3,984
FREDERICK SOUND, AK (33 feet and less)												
				Upbound							Downbound	
Grand Total	2,172	1,437	—	273	355	107	2,157	1,480	—	269	302	106
										Total trips:		4,329
ICY BAY, AK (35 feet and less)												
				Upbound							Downbound	
Grand Total	63	44	—	19	—	—	63	45	—	18	—	—
										Total trips:		126

Trips and Drafts of Vessels, 2001
(draft in feet)

Draft	Self Propelled Vessels				Non-Self Propelled Vessels		Self Propelled Vessels				Non-Self Propelled Vessels		
	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	Total	Pass & Dry Cargo	Tanker	Tow or Tug	Dry Cargo	Tanker	
ICY STRAIT, AK (32 feet and less)													
			Upbound							Downbound			
Grand Total	1,017	740	---	112	113	52	1,246	935	---	120	133	58	
										Total trips:		2,263	
KIVILINA, AK (27 feet and less)													
			Inbound							Outbound			
Grand Total	474	2	---	13	456	3	466	---	---	9	456	1	
										Total trips:		940	
NIKISHKA, AK (40 feet and less)													
			Inbound							Outbound			
Grand Total	244	29	116	47	16	36	260	34	111	53	17	45	
										Total trips:		504	
REVILLAGIGADO CHANNEL, AK (39 feet and less)													
			Upbound							Downbound			
Grand Total	1,767	940	---	361	386	80	1,809	1,029	---	344	382	54	
										Total trips:		3,576	
STEPHENS PASSAGE, AK (33 feet and less)													
			Upbound							Downbound			
Grand Total	1,734	1,036	---	326	268	104	1,557	1,022	---	216	253	66	
										Total trips:		3,291	
SUMNER STRAIT, AK (21 feet and less)													
			Upbound							Downbound			
Grand Total	1,562	1,036	---	260	170	96	1,508	860	---	249	306	93	
										Total trips:		3,070	
TONGASS NARROWS, AK (31 feet and less)													
			Upbound							Downbound			
Grand Total	3,331	1,761	---	727	667	176	3,349	1,848	---	710	670	121	
										Total trips:		6,680	

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- Summary of United States Flag Vessels
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Material may be ordered from Waterborne Commerce Statistics Center, U.S. Army Corps of Engineers, P.O. Box 61280, New Orleans, LA 70161-1280. Checks or money orders should be made out to FAO-Q0. Call (504) 862-1424, or FAX (504) 862-1423.

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