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WATERBORNE COMMERCE OF THE UNITED STATES

Calendar Year 1987

PART 4
WATERWAYS AND HARBORS
PACIFIC COAST, ALASKA AND HAWAII



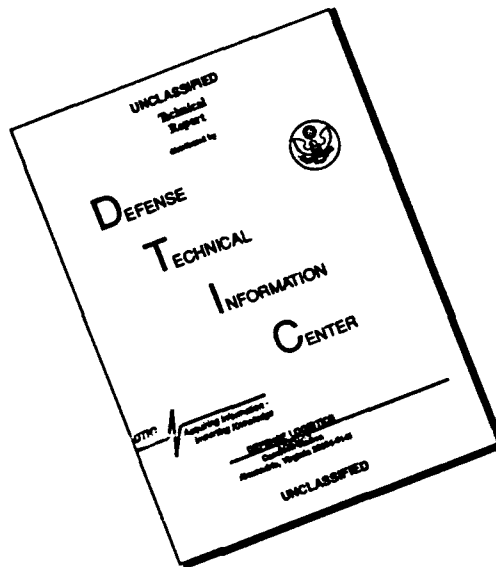
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Waterborne Commerce of the United States, (WCUS), Part 4, Calendar Year 1987 is one of a series of five (5) publications containing statistics on the commercial movement of foreign and domestic cargo. WCUS, Part 4, presents detailed data by commodity and traffic for the waterways and harbors on the Pacific Coast, Alaska, and Hawaii. The statistics include commodities given in short tons (2000 lbs.) and vessel trips for the harbors and waterways.					
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WATERBORNE COMMERCE OF THE UNITED STATES

CALENDAR YEAR 1987

PART 4

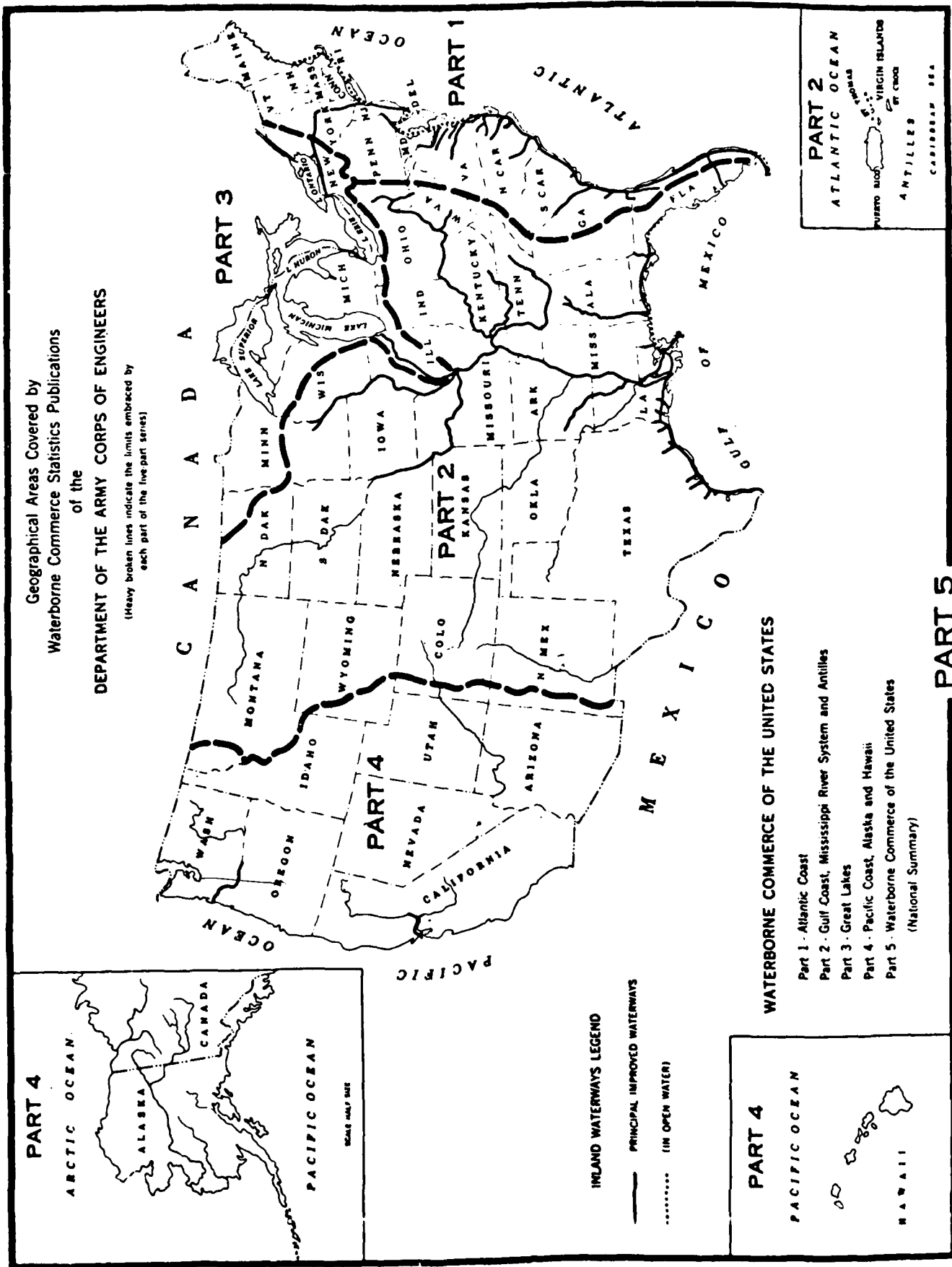
**WATERWAYS AND HARBORS
PACIFIC COAST, ALASKA AND HAWAII**

COMPILED UNDER THE SUPERVISION OF
THE WATER RESOURCES SUPPORT CENTER
U.S. ARMY CORPS OF ENGINEERS
FORT BELVOIR, VIRGINIA

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Notes
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This publication is one of a series containing statistics on the waterborne commerce of the United States during the calendar year 1987. Four of these publications present detailed data on the movements of commodities and vessels at the ports and harbors and on the waterways and canals of the United States, the Commonwealth of Puerto Rico, and the Virgin Islands, and the fifth contains summary data of the country as a whole. The numbers of the publications and the areas covered are:

Area

- 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 Summaries)

Both the foreign and domestic commerce moved on United States waters are included. Data on the foreign commerce were supplied to the Corps of Engineers by the Bureau of the Census; data for the compilation of the domestic statistics were collected by the several offices of the Corps of Engineers, Department of the Army, in compliance with various acts of Congress. The principal provision governing the collection of these data is included in the River and Harbor Act of September 22, 1922; as amended by Section 919 of the 1986 Water Resources Development Act.

Section 11. That 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 War: Provided, that this provision shall not apply to those rafting logs, except upon a direct request upon the owner to furnish specific information.

That every person or persons offending against the provisions of this section, shall for each and every offense, be liable to a fine of \$5,000 or imprisonment not exceeding two months, to be enforced in any district court in the United States within whose territorial jurisdiction such offense may have been committed.

While the information as now collected and compiled is designed to meet the administrative requirements of the Department of the Army in connection with the duties assigned by Congress, it also provides useful data for other governmental departments, commercial and shipping concerns, and others interested in transportation.

Waterborne traffic movements were reported to the Corps of Engineers by all vessel operators of record on prescribed forms approved by the Office of Management and Budget under the Federal Reports Act of 1942 for those movements of their vessels which were classified as domestic traffic; namely, between United States ports, continental and noncontiguous, and on the island rivers, canals, and connecting channels of the United States, Puerto Rico, and the Virgin Islands, excluding the Panama Canal. The reports were generally submitted on the basis of a vessel movement completed in one direction and, for movements with cargo, the origin and destination of the water transportation of each individual commodity. In compiling the data, the entire movement was included in the year in which the movement was completed even though the shipment may have originated in the preceding year, except that, beginning with calendar year 1961 statistics, a cutoff date of 28 February was established for the processing of reports from vessel operators covering the prior year's completed movements. Hence, reports of movements completed in 1987 but not reported to the Corps of Engineers until after 28 February 1988 will be included in the next year's, 1988, statistics rather than in this publication, while reports of movements completed in 1986 but reported to the Corps after 28 February 1987 are included in this publication.

Sponsored by the Office of Statistical Policy, Office of Management and Budget, a uniform system of classification for freight was developed with cooperation of all Federal agencies engaged in collecting and compiling data on shipping. This classification, the Commodity Classification for Domestic Waterborne Commerce, is used for data on the foreign and domestic commerce presented in these publications, although some minor modifications exist in the foreign data which were necessitated by Bureau of the Census policies and procedures.

The domestic traffic includes all commercial movements between points in the United States, Puerto Rico, and the Virgin Islands. Traffic with the Panama Canal Zone is treated as foreign commerce. Cargo moved for the military agencies in commercial vessels is reported as ordinary commercial cargo; military cargo moved in Department of Defense vessels is omitted from these statistics.

All movements between the United States and foreign countries and between Puerto Rico and Virgin Islands, U.S.A., and foreign countries are classified as foreign traffic. Trade between United States territories and possessions, i.e. Guam, Wake, American Samoa, etc., and foreign countries is excluded.

These data are furnished to the Corps of Engineers by the Bureau of the Census under a working arrangement sponsored by the Office of Statistical Policy, Office of Management and Budget. The data are confined to movements by water, and are reconcilable with published reports of the Bureau of the Census. Shipments of domestic merchandise and re-exports of foreign merchandise are termed exports. The imports include inbound merchandise for direct consumption and entries into custom bonded storage and manufacturing warehouses. Intransit merchandise, defined by the Bureau of the Census as merchandise coming into the United States from a foreign country and shipped to a foreign country without having been entered as an import, is treated as an import when unloaded from a vessel and as an export when loaded on a vessel. Export shipments for use of the United States Armed Forces abroad are excluded from the statistics as are import shipments on Department of Defense owned and operated vessels. Foreign trade data of territories and possessions other than Puerto Rico and the Virgin Islands, which are under the jurisdiction of the Department of the Interior, were not furnished to the Corps of Engineers by the Bureau of the Census and are excluded from the statistics of both agencies.

Export shipments under the various foreign aid programs on Department of Defense operated vessels, either American Flag commercial vessels under time, voyage, or space charter or vessels owned and operated by the Department of Defense, and various items (listed by the Census) which affect national security are not published in terms of the individual commodities shipped. Instead, a lump-sum tonnage figure is compiled and appears in these tables as commodity code 9999, "Department of Defense Controlled Cargo and Special Category Items."

The 1987 statistics on waterborne exports of domestic and foreign merchandise and non-Department of Defense shipments of Special Category commodities reflect fully compiled data for shipments to Canada individually valued at \$2,000 and over combined with estimated data for shipments valued \$251-\$1,999, based on a 10-percent sample of such shipments. For countries other than Canada, the export statistics reflect fully compiled data for shipments valued \$1,000 and over combined with estimated data for shipments valued \$251-\$999, based on a 50-percent sample of such shipments. Data on export shipments valued under \$251 are excluded from this report.

Import statistics for 1987 exclude data on shipments valued \$250 and under reported on both formal and informal entries. Informal entries generally contain items valued not more than \$250.

Foreign trade data furnished by Census are based on reports processed for Census' monthly data January through December and represent statistical year rather than calendar year data.

The figures on ton-miles are computed by the Corps of Engineers; each ton-mile figure reflects only the distance each ton of cargo, foreign or domestic, moved on the waterway described in the section for which the figure is reported. The summary of ton-miles for the entire United States contained in Part 5 includes movements on the inland waterways and Great Lakes System only, cargoes, foreign and domestic, of deep-sea vessels are included only for that portion of the voyage that occurred in inland rivers, canals, or connecting channels—neither the carriage on the oceans nor the Gulf of Mexico nor the tonnage moved among the territories and possessions, "Intra-territory Traffic," is taken into account.

Trips of vessels at ports are reported as inbound, which represents the number of entrances or arrivals, and outbound, which represents the number of clearances or departures. On the waterways, the number of trips signifies the number of individual vessel movements on the waterway in each direction; a single trip is counted for each vessel using the waterway in a continuous direction regardless of the number of stops made on the waterway. Some towboat trips and empty barge moves are sampled to expedite processing and reduce cost. Even with sampling; however, the number of towboat trips are calculated from better than 70-percent of the total number of towboat moves reported and the number of barge trips are derived from better than 85-percent of the total number of barge moves reported. The number of trips reported includes vessels engaged in foreign trade, which are furnished by the Bureau of the Census based on Customs Entrance and Clearance forms. Complete information on trips of vessels, ferry and other, not required to clear formally was not furnished by the Bureau of Customs beginning with data for the year 1969. Adjustments are made to the trip counts, if necessary, to more accurately reflect actual traffic patterns (e.g. inbound vs. outbound trip counts).

Customs regulations with regard to entrance and clearance do not provide all data as required by the Corps of Engineers where supplementary information could be obtained, adjustments were made by the Corps of Engineers to reflect the true volume of vessel movements in and out of channels and harbors reported in these publications.

Excluding from these figures are United States Army and Navy vessels, such as Army transports and Navy tankers entering or clearing without commercial cargo, and foreign military and naval craft.

Some duplication may exist in the number of vessel trips at ports for those American flag vessels engaging both foreign and domestic trade on the same voyage. Since movements of vessels and cargo between two United States ports are reported to the Corps of Engineers, and entrance and clearance must be obtained from Customs at each port of call while foreign cargoes are aboard, those vessels engaged in combined foreign and domestic movements may be reported twice.

Draft, in all cases, is the distance from water level to the lowest point of the vessel under-water and is measured when the vessel is completely stopped—either tied to a dock or at anchor. The draft under way—while the vessel is moving—is dependent on many factors, such as speed of the vessel and depth and width of the channel, and varies from channel to channel. Channel depth of at least 3 feet more than the draft of a vessel at dock is required where vessels must be operated at slow speed. Channel depth of 5 feet more than the draft of a vessel at dock is required in channels where vessels can be operated at more efficient and economical speeds.

Passenger arrivals and departures on the various waterways and channels and at ports include passengers engaged in foreign travel. While the Immigration and Naturalization Service, Department of Justice, no longer provides foreign passenger data to the Waterborne Commerce Statistics Center, foreign passengers traveling between Canada and the United States in the Great Lakes and Alaska areas are reported to the Corps of Engineers from other sources available to the Corps. In addition, the New England Division has been able to obtain foreign passenger data for calendar year 1987 in Bar Harbor, Lubec, Eastport and Portland Harbor.

Foreign data on various connecting channels having no terminal facilities, such as Cape Cod Canal, and Chesapeake and Delaware Canal, are not available from Census records. Hence, the Corps of Engineers developed such data from canal records.

SECTION 1 of this publication presents comparative statements of commerce for preceding years and the detailed freight traffic for calendar year 1987 of harbors and waterways in the area covered by this part of the statistics series.

SECTION 2 presents data on the movements of vessels at the harbors and on the waterways included in the first section.

TERMS FOR KIND OF TRAFFIC

The terms applied to the kinds of traffic as found in these publications are explained as follows:

Pertaining to Ports

Imports and Exports. These terms apply to traffic between the United States and foreign ports, including the Canal Zone. Traffic of the U.S. Great Lakes ports with Canada is supplemented by the term "Canadian" to differentiate it from overseas traffic.

Coastwise Receipts and Shipments. These terms apply to 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, or Puerto Rico to Hawaii. Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed "coastwise." The Chesapeake Bay and Puget Sound are internal bodies of water, therefore, traffic confined to these areas in "internal" rather than "coastwise."

Lakewise Receipts and Shipments. These terms apply to traffic between United States ports on the Great Lakes System. The Great Lakes System is treated as a separate system rather than as a part of the inland system.

Internal Receipts and Shipments. These terms apply to traffic between ports or landings wherein the entire movement takes place on inland waterways. Also termed internal are movements involving carriage on both inland waterways and waters of the Great Lakes; inland movements that cross short stretches of open waters which link inland systems; marine products, sand and gravel taken directly from beds of the oceans, the Gulf of Mexico and important areas thereof; and movements between offshore installations and inland waterways.

Local. Movements of freight within the confines of a port whether the port has only one or several areas or channels, except car-ferry and general ferry are termed "local." The term is also applied to marine products, sand, and gravel taken directly from the Great Lakes.

Intraterritory receipts and shipments. These terms apply to traffic between ports in Puerto Rico and the Virgin Islands, U.S.A., which are considered a single unit.

Pertaining to Rivers, Federal and Private Canals, Connecting Channels, and Intracoastal Waterways

The terms "imports," "exports," "coastwise receipts," "coastwise shipments," "internal receipts," and "internal shipments" are used as at ports.

Upbound and Downbound. These terms are applied to movements within the confines of a river, intracoastal waterway, canal, or a segment of one of these channels as described in the "Section included" for each channel.

Inbound and Outbound. Traffic moving from one waterway into another is termed "outbound" in the case of the shipping waterway and "inbound" with respect to the receiving waterway.

Through Traffic. Traffic moving through a waterway to and from points on other waterways is termed "through traffic."

General Terms

Freight reported under the terms "car ferry" or "general ferry" is not directly included in the port or channel tonnage, but is separately stated and tabulated.

COMMODITY CLASSIFICATION FOR DOMESTIC WATERBORNE COMMERCE

NOTE: The commodity descriptions used in the statistical tables in this publication are abbreviated to conserve printing space of the following commodities:

Code No.	Item Name	Code No.	Item Name
Group 01-Farm Products		Group 20-Food and Kindred Products	
0101	Cotton, raw	2034	Vegetables and preparations, canned and otherwise prepared and preserved
0102	Barley and rye	2039	Fruits, and fruit and vegetable juices, canned and otherwise prepared or preserved
0103	Corn	2041	Wheat flour and semolina
0104	Oats	2042	Animal feeds
0105	Rice	2049	Grain mill products, not elsewhere classified
0106	Sorghum Grains	2061	Sugar
0107	Wheat	2062	Molasses
0111	Soybeans	2081	Alcoholic beverages
0112	Flaxseed	2091	Vegetable oils, all grades; margarine and shortening
0119	Oilseeds, not elsewhere classified	2092	Animal oils and fats, not elsewhere classified, including marine
0121	Tobacco, leaf	2094	Groceries
0122	Hay and Fodder	2095	Ice
0129	Field crops, not elsewhere classified	2099	Miscellaneous food products
0131	Fresh fruits	Group 21-Tobacco Products	
0132	Bananas and plantains	2111	Tobacco manufactures
0133	Coffee, green and roasted (including instant)	Group 22-Basic Textiles	
0134	Cocoa beans	2211	Basic textile products, except textile fibers
0141	Fresh and frozen vegetables	2212	Textile fibers not elsewhere classified
0151	Live animals (livestock) except zoo animals, cats, dogs, etc.	Group 23-Apparel and Other Finished Textile Products Including Knit	
0161	Animals and animal products, not elsewhere classified	2311	Apparel and other finished textile products, including knit
0191	Miscellaneous farm products	Group 24-Lumber and Wood Products Except Furniture	
Group 08-Forest Products		2411	Logs
0841	Crude rubber and allied gums	2412	Kilned logs
0861	Forest products, not elsewhere classified	2413	Fuel wood, charcoal, and wastes
Group 09-Fresh Fish and Other Marine Products		2414	Timber, posts, poles, piling, and other wood in the rough
0911	Fresh fish, except shellfish	2415	Pulpwood, log
0912	Shellfish, except prepared or preserved	2416	Wood chips, staves, moldings, and excelsior
0913	Menhaden	2421	Lumber
0931	Marine shells, unmanufactured	2431	Veneer, plywood, and other worked wood
Group 10-Metallic Ores		2491	Wood manufactures, not elsewhere classified
1011	Iron ore and concentrates	Group 25-Furniture and Fixtures	
1021	Copper ore and concentrates	2511	Furniture and fixtures
1051	Bauxite and other aluminum ores and concentrates	Group 26-Pulp, Paper and Allied Products	
1061	Manganese ores and concentrates	2611	Pulp
1091	Nonferrous metal ores and concentrates, not elsewhere classified	2621	Standard newsprint paper
Group 11-Coal		2631	Paper and paperboard
1121	Coal and lignite	2691	Pulp, paper and paperboard products, not elsewhere classified
Group 13-Crude Petroleum		Group 27-Printed Matter	
1311	Crude petroleum	2711	Printed matter
Group 14-Nonmetallic Minerals, Except Fuels		Group 28-Chemicals and Allied Products	
1411	Limestone flux and calcareous stone	2810	Sodium hydroxide (caustic soda)
1412	Building stone, unworked	2811	Crude products from coal tar, petroleum, and natural gas, except benzene and toluene
1442	Sand, gravel and crushed rock	2812	Dyes, organic pigment, dyeing and tanning materials
1451	Clay, ceramic and refractory materials	2813	Alcohols
1471	Phosphate rock	2816	Radioactive and associated materials, including wastes
1479	Natural fertilizer materials, not elsewhere classified	2817	Benzene and toluene, crude and commercially pure
1491	Salt	2818	Sulphuric acid
1492	Sulfur, dry	2819	Basic chemicals and basic chemical products, not elsewhere classified
1493	Sulfur, liquid	2821	Plastic materials, regenerated cellulose and synthetic resins, including film, sheeting, and laminates
1494	Gypsum, crude and plasters	2822	Synthetic rubber
1499	Nonmetallic minerals, except fuels, not elsewhere classified	2823	Synthetic (man-made) fiber
Group 19-Ordnance and Accessories		2831	Drugs (biological products, medicinal chemicals, botanical products and pharmaceutical preparations)
1911	Ordnance and accessories	2841	Soap, detergents, and cleaning preparations; perfumes, cosmetics, and other toilet preparations
Group 20-Food and Kindred Products		2851	Paints, varnishes, lacquers, enamels, and allied products
2011	Meat, fresh, chilled, or frozen	2861	Gum and wood chemicals
2012	Meat, dried meat products prepared or preserved, including canned meat products	2871	Nitrogenous chemical fertilizers, except mixtures
2014	Meat, animal fats and oils	2872	Potassic chemical fertilizers, except mixtures
2015	Meat, by-products, not elsewhere classified	2873	Phosphatic chemical fertilizers, except mixtures
2021	Milk, except dried milk and cream		
2022	Dairy products, except dried milk and cream		
2031	Fish and fish products, including shellfish, fresh or preserved		

Code No.	Item Name	Code No.	Item Name
Group 28-Chemicals and Allied Products		Group 34-Fabricated Metal Products, Except Ordnance, Machinery and Transportation Equipment	
2876	Insecticides, fungicides, pesticides, and disinfectants	3411	Fabricated metal products, except ordnance, machinery, and transportation equipment
2879	Fertilizers and fertilizer materials, not elsewhere classified		
2891	Miscellaneous chemical products		
Group 29-Petroleum and Coal Products		Group 35-Machinery, Except Electrical	
2911	Gasoline, including natural gasoline	3511	Machinery, except electrical
2912	Jet fuel		
2913	Kerosene	Group 36-Electrical Machinery, Equipment and Supplies	
2914	Distillate fuel oil	3611	Electrical machinery equipment and supplies
2915	Residual fuel oil		
2916	Lubricating oils and greases		
2917	Naphtha, mineral spirits, solvents, not elsewhere classified	Group 37-Transportation Equipment	
2918	Asphalt, tar, and pitches	3711	Motor vehicles, parts and equipment
2920	Coke, including petroleum coke		
2921	Liquefied petroleum gases, coal gases, natural gas, and natural gas liquids		
2951	Asphalt building materials		
2991	Petroleum and coal products, not elsewhere classified	3721	Aircraft and parts
		3731	Ships and boats
		3791	Miscellaneous transportation equipment
Group 30-Rubber and Miscellaneous Plastic Products		Group 38-Instruments, Photographic and Optical Goods, Watches and Clocks	
3011	Rubber and miscellaneous plastic products	3811	Instruments, photographic and optical goods, watches and clocks
Group 31-Leather and Leather Products		Group 39-Miscellaneous Products of Manufacturing	
3111	Leather and leather products	3911	Miscellaneous products of manufacturing
Group 32-Stone, Clay, Glass and Concrete Products		Group 40-Waste and Scrap Materials	
3211	Glass and glass products	4011	Iron and steel scrap
		4012	Nonferrous metal scrap
3241	Building cement	4022	Textile waste, scrap, and sweepings
3251	Structural clay products, including refractories	4024	Paper waste and scrap
3271	Lime	4029	Waste and scrap, not elsewhere classified
3281	Cut stone and stone products	Group 41-Special Items	
3291	Miscellaneous nonmetallic mineral products	4111	Water
Group 33-Primary Metal Products		4112	Miscellaneous shipments not identifiable by commodity
3311	Pig iron	4113	LCL freight
3312	Slag	4118	Materials used in waterway improvement, Government materials
3313	Coke (coal and petroleum), petroleum pitches and asphalts, and naphtha and solvents	4119	Empty containers
3314	Iron and steel ingots, and other primary forms, including blanks for tube and pipe, and sponge iron	9999*	Department of Defense controlled cargo and special category items
3315	Iron and steel bars, rods, angles, shapes and sections, including sheet piling	*Cargoes exported on Department of Defense controlled vessels (other than goods for the use of U.S. Armed Forces abroad) and non-Department of Defense shipments of military component items (abbreviated SCI) for which commodity detail is not furnished to the Corps of Engineers.	
3316	Iron and steel plates and sheets		
3317	Iron and steel pipe and tube		
3318	Ferroalloys		
3319	Primary iron and steel products, not elsewhere classified including castings in the rough		
3321	Nonferrous metals primary smelter product, basic shapes, wire castings and forgings, except copper, lead, zinc and aluminum		
3322	Copper and copper alloys, whether or not refined, unworked		
3323	Lead and zinc including alloys, unworked		
3324	Aluminum and aluminum alloys, unworked		

SECTION 1

FREIGHT TRAFFIC

LOS ANGELES, CA, DISTRICT

3

SAN DIEGO HARBOR, CALIF.

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

YEAR	TONS	YEAR	TONS
1978-----	2,571,402	1983-----	1,121,452
1979-----	2,401,349	1984-----	1,005,021
1980-----	2,109,859	1985-----	2,075,180
1981-----	2,050,292	1986-----	2,345,460
1982-----	2,398,103	1987-----	2,455,046

* PASSENGERS--015,050.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	2,955,046	559,715	214,803	475,562	74,213	90,053	556,200	988,300
3107 WHEAT-----	35,551	-----	35,551	-----	-----	-----	-----	-----
3161 ANIMALS AND PRODUCTS, NEC-----	7	7	-----	-----	-----	-----	-----	-----
3861 FOREST PRODUCTS, NEC-----	104,090	16,952	-----	-----	-----	87,138	-----	-----
3911 FRESH FISH, EXCEPT SHELLFISH-----	3,065	-----	-----	-----	-----	3,065	-----	-----
3912 SHELLFISH, EXCEPT PREPARED-----	650	-----	-----	-----	-----	650	-----	-----
3931 MARINE SHELLS, UNMANUFACTURED-----	5	5	-----	-----	-----	-----	-----	-----
1091 NONFERROUS METS, CONCEIT, NEC-----	19	19	-----	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	12	12	-----	-----	-----	-----	-----	-----
1451 CLAY-----	23	23	-----	-----	-----	-----	-----	-----
1491 SALT-----	22	22	-----	-----	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	27	27	-----	-----	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	21	21	-----	-----	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	21	21	-----	-----	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	2,329	2,329	-----	-----	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	120	120	-----	-----	-----	-----	-----	-----
2061 ALCOHOLIC BEVERAGES-----	2,517	2,517	-----	-----	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	7	7	-----	-----	-----	-----	-----	-----
2095 ICE-----	476	476	-----	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	75	75	-----	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	144	144	-----	-----	-----	-----	-----	-----
2311 APPAREL-----	51	51	-----	-----	-----	-----	-----	-----
2411 LUGS-----	9,030	-----	9,030	-----	-----	-----	-----	-----
2421 LUMBER-----	430,801	16,091	-----	414,790	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	425	425	-----	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	54	54	-----	-----	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	350	350	-----	-----	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	64,706	64,706	-----	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	756	756	-----	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	41	41	-----	-----	-----	-----	-----	-----
2711 PRINTED MATTER-----	7	7	-----	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	27,559	27,559	-----	-----	-----	-----	-----	-----
2921 PLASTIC MATERIALS-----	165	165	-----	-----	-----	-----	-----	-----
2923 SYNTHETIC (MANMADE) FIBERS-----	20	20	-----	-----	-----	-----	-----	-----
2931 DRUGS-----	19	19	-----	-----	-----	-----	-----	-----
2841 SOAP-----	2	2	-----	-----	-----	-----	-----	-----
2851 PAINTS-----	280	280	-----	-----	-----	-----	-----	-----
2971 NITROGENOUS CHEM FERTILIZERS-----	40,229	40,229	-----	-----	-----	-----	-----	-----
2972 POTASSIC CHEM FERTILIZERS-----	84,475	-----	84,475	-----	-----	-----	-----	-----
2991 MISCELLANEOUS CHEMICAL PROD-----	25	25	-----	-----	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	75,298	-----	20,894	54,314	-----	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	64,372	-----	-----	6,458	57,914	-----	-----	-----
2916 LUBRICATING OILS AND GREASES-----	2	2	-----	-----	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	336	334	2	-----	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	15	15	-----	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	81	81	-----	-----	-----	-----	-----	-----
3241 BUILDING CEMENT-----	362,501	362,501	-----	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	20	20	-----	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	32	32	-----	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	6,833	6,833	-----	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	10	10	-----	-----	-----	-----	-----	-----
3318 FERROALLOYS-----	4,800	4,800	-----	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	509	509	-----	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	42	42	-----	-----	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	23	23	-----	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	44	44	-----	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	171	171	-----	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	198	167	4	-----	27	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	70	69	1	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	79	61	18	-----	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	5	-----	5	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	61	50	11	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1	1	-----	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	215	215	-----	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	64,791	-----	64,791	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	6	6	-----	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	1,543,200	-----	-----	-----	-----	556,200	-----	987,000
4111 WATER-----	7,664	-----	-----	-----	7,664	-----	-----	-----
4112 COMMODITIES, NEC-----	10,059	134	17	-----	5,608	-----	-----	1,300
9999 DEPARTMENT OF DEFENSE AND SCI-----	2	-----	2	-----	-----	-----	-----	-----

Waterborne Commerce of the United States, 1987

NEWPORT BAY HARBOR, CALIF.

SECTION INCLUDED: ENTRANCE CHANNEL AND ENTIRE BAY, CONTROLLING DEPTH: 20 FEET IN THE ENTRANCE CHANNEL, MAIN CHANNEL, AND TURNING BASIN, 15 FEET IN THE YACHT ANCHORAGE, AND 10 FEET IN ALL OTHER PARTS OF THE BAY SOUTH OF U.S. HIGHWAY 101-A, AND EAST OF STATE HIGHWAY 55. PROJECT DEPTH: SAME AS CONTROLLING DEPTH. NAVIGATION SECTION: ENTIRE YEAR.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	84	1983-----	102
1979-----	-----	1984-----	67
1980-----	-----	1985-----	23,100
1981-----	938	1986-----	400
1982-----	94	1987-----	290,575

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL
		RECEIPTS	SHIPMENTS	
TOTAL-----	290,575	75	290,500	
4029 WASTE AND SCRAP, NEC-----	290,500	-----	290,500	
4112 COMMODITIES, NEC-----	75	75	-----	

LONG BEACH HARBOR, CALIF.

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

YEAR	TONS	YEAR	TONS
1978-----	31,586,404	1983-----	41,112,584
1979-----	33,347,303	1984-----	42,848,658
1980-----	38,779,672	1985-----	43,177,333
1981-----	43,537,611	1986-----	42,718,268
1982-----	42,010,254	1987-----	45,898,541

* PASSENGERS--815,200.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	45,898,541	11,565,461	10,954,677	17,781,004	729,276	4,086,722
0101 COTTON, RAW-----	419,642	-----	416,780	-----	2,862	-----
0102 BARLEY AND RYE-----	432	12	420	-----	-----	-----
0103 CORN-----	27,333	2	27,331	-----	-----	-----
0105 RICE-----	31,003	29,247	1,756	-----	-----	-----
0106 SORGHUM GRAINS-----	1,696	-----	1,696	-----	-----	-----
0107 WHEAT-----	7,724	7	7,717	-----	-----	-----
0111 SOYBEANS-----	42,460	3	42,397	-----	60	-----
0119 OILSEEDS, NEC-----	16,940	1,741	15,188	-----	11	-----
0121 TOBACCO, LEAF-----	9,599	1,330	8,269	-----	-----	-----
0129 FIELD CROPS, NEC-----	8,879	3,116	5,763	-----	-----	-----
0131 FRESH FRUITS-----	394,726	807	393,550	-----	369	-----
0132 BANANAS AND PLANTAINS-----	336,569	336,569	-----	-----	-----	-----
0133 COFFEE-----	31,215	27,779	3,436	-----	-----	-----
0134 COCOA BEANS-----	2,131	2,131	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	32,221	6,342	25,786	-----	93	-----
0151 LIVE ANIMALS-----	1	-----	1	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	17,343	7,618	9,725	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	9,845	1,882	7,951	-----	12	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	36,475	36,322	153	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	6,622	5,371	1,240	-----	11	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	25,946	20,532	5,362	-----	52	-----
0912 SHELLFISH, EXCEPT PREPARED-----	51,412	47,627	4,364	-----	21	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	3,841	810	3,031	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	20	-----	20	-----	-----	-----
1021 COPPER ORE AND CONCENTRATES-----	111,050	-----	111,050	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	49,131	47,924	1,207	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	14	14	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	17,763	16,563	1,180	-----	-----	-----
1121 COAL AND LIGNITE-----	545,717	75	545,642	-----	-----	-----
1311 CRUDE PETROLEUM-----	18,392,073	981,095	42	16,950,240	371,564	30,628
1411 LIMESTONE-----	88	1	87	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	206	-----	206	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	24,321	3,613	20,367	-----	341	-----
1451 CLAY-----	21,599	9,479	12,056	-----	64	-----
1471 PHOSPHATE ROCK-----	4,088	948	3,140	-----	-----	-----
1479 NATURAL FERTILIZER MATS, NEC-----	1,880	1,880	-----	-----	-----	-----
1491 SALT-----	125,863	125,846	15	-----	-----	-----
1492 SULPHUR, DRY-----	99,812	-----	99,812	-----	-----	-----

LOS ANGELES, CA, DISTRICT

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LONG BEACH HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERVAL				
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
1494 GYPSUM, CRUDE AND PLASTERS-----	768,476	765,588	2,888					
1499 NONMETALLIC MINERALS, NEC-----	152,901	9,195	143,706					
1911 ORNAMENT AND ACCESSORIES-----	3,054	1,713	957		584			
2011 MEAT, FRESH, CHILLED, FROZEN-----	196,275	106,478	89,613		184			
2012 MEAT AND PRODUCTS, NEC-----	1,296	15,340	1,956					
2014 TALLOW, ANIMAL FATS AND OILS-----	46,622	46,622						
2015 ANIMAL BY-PRODUCTS, NEC-----	152,788	521	152,426		41			
2021 DAIRY PRODUCTS, NEC-----	3,678	2,855	722		71			
2022 DRIED MILK AND CREAM-----	7,047	221	6,826					
2031 FISH AND SHELLFISH, PREPARED-----	73,597	69,249	4,348					
2034 VEGETABLES AND PREP, NEC-----	97,542	85,897	11,616		29			
2039 PREP FRUIT AND VEG JUICE, NEC-----	124,993	66,908	57,918		167			
2041 WHEAT FLOUR AND SEMOLINA-----	730	730						
2042 ANIMAL FEEDS-----	244,057	4,976	239,065		16			
2049 GRAIN MILL PRODUCTS, NEC-----	33,602	22,838	10,729		35			
2061 SUGAR-----	262	170	92					
2062 MOLASSES-----	3,174		8					3,166
2081 ALCOHOLIC BEVERAGES-----	116,147	98,007	17,132		408			
2091 VEGETABLE OILS, MARG, SHORT-----	48,460	33,501	14,810		149			
2092 ANIMAL OILS AND FATS, NEC-----	521	307	14					
2094 GROCERIES-----	377					377		
2095 ICE-----	22,571	22,571						
2099 MISCELLANEOUS FOOD PRODUCTS-----	144,513	83,686	60,294	23	506			
2111 TOBACCO MANUFACTURES-----	15,651	337	13,124		190			
2211 BASIC TEXTILE PRODUCTS-----	171,129	160,683	9,797		649			
2212 TEXTILE FIBERS, NEC-----	3,657	765	2,892					
2311 APPAREL-----	252,095	209,927	941	20	41,207			
2411 LUGS-----	46,367	1,509	44,858					
2413 FUEL OIL, CHARCOAL, WASTES-----	13,709	13,162	521		26			
2414 TIMBER, POSTS, POLES, PILING-----	997	936	61					
2416 WOOD CHIPS, STAVES, HOLDINGS-----	227	79	148					
2421 LUMBER-----	335,508	71,941	20,307	241,503	1,757			
2431 VENEER, PLYWOOD, WORKED WOOD-----	61,534	59,632	1,902					
2491 WOOD MANUFACTURES, NEC-----	77,745	66,660	7,313		94	3,673		
2511 FURNITURE AND FIXTURES-----	266,590	262,060	3,890		640			
2611 PULP-----	15,395	2,667	10,526					
2621 STANDARD YEASPRINT PAPER-----	227,334	223,105	4,229					
2631 PAPER AND PAPERBOARD-----	179,166	113,958	65,124		84			
2691 PULP AND PAPER PRODUCTS, NEC-----	31,397	21,736	9,556		105			
2711 PRINTED MATTER-----	33,763	28,228	7,546		4			
2810 SODIUM HYDROXIDE-----	35,161		35,161					
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	4,764	4,515	249					
2812 DYES, PIGMENT, TANNING MATS-----	767	767						
2813 ALCOHOLS-----	29,725	23,876	5,849					
2816 RADIOACTIVE MATERIALS, WASTES-----	194	194						
2817 BENZENE AND TOLUENE-----	49,521	8,392	43	31,281	3,455	6,550		
2819 BASIC CHEMICALS AND PROD, NEC-----	1,045,083	278,929	707,571	47,977	10,606			
2821 PLASTIC MATERIALS-----	469,431	106,139	350,062		13,240			
2822 SYNTHETIC RUBBER-----	35,562	290	33,329		1,963			
2823 SYNTHETIC (MAN-MADE) FIBERS-----	6,290	6,430	1,860					
2831 DRUGS-----	12,402	5,916	6,388		98			
2841 SOAP-----	33,189	7,031	26,106		52			
2851 PAINTS-----	37,005	25,789	11,079		157			
2861 GUM AND WOOD CHEMICALS-----	3,326	1,614	1,696		16			
2871 NITROGENOUS CHEM FERTILIZERS-----	4,093	4,054	39					
2872 POTASSIC CHEM FERTILIZERS-----	23,317	433	22,884					
2873 PHOSPHATIC CHEM FERTILIZERS-----	1,327	1,249	78					
2876 INSECTICIDES, DISINFECTANTS-----	6,150	760	5,348		42			
2879 FERTILIZER AND MATERIALS, NEC-----	1,994	236	1,756					
2891 MISCELLANEOUS CHEMICAL PROD-----	51,614	16,682	30,834		382	4,116		
2911 GASOLINE-----	273,034	19,593	102	223,126	4,573	25,640		
2912 JET FUEL-----	154,690	793		153,697				
2913 KEROSENE-----	15		13					
2914 DISTILLATE FUEL OIL-----	735,183	19,841	403,974	87,293	63,590	32,456	125,174	2,850
2915 RESIDUAL FUEL OIL-----	5,695,377	29,454	971,883	17,284	140,362	3,954,843	341,284	240,263
2916 LUBRICATING OILS AND GREASES-----	186,777	7,931	175,584		53	3,229		
2917 NAPHTHA, PETROLEUM SOLVENTS-----	25,828		12,796	13,032				
2918 ASPHALT, TAN, AND PITCHES-----	937	44	893					
2920 COKE, PETROLEUM COKE-----	3,699,511	300	3,699,211					
2921 LIQUEFIED GASES-----	1,873	123	1,750					
2951 ASPHALT BUILDING MATERIALS-----	683		652		31			
2991 PETROLEUM AND COAL PROD, NEC-----	34,698	295	1,904		7,296		10,711	14,492
3011 RUBBER AND MISC PLASTIC PROD-----	412,328	387,500	24,210		618			
3111 LEATHER AND LEATHER PRODUCTS-----	225,403	217,933	7,433		37			
3211 GLASS AND GLASS PRODUCTS-----	63,641	51,221	12,237		183			
3241 BUILDING CEMENT-----	636,990	838,105	640				45	
3251 STRUCTURAL CLAY PRODUCTS-----	60,529	60,141	4,064		324			
3271 LIME-----	2	2						
3281 CUT STONE AND STONE PRODUCTS-----	49,714	40,328	9,342		44			
3291 MISC NONMETALLIC MINERAL PROD-----	146,126	128,531	19,291		304			
3314 IRON AND STEEL PRIMARY FORMS-----	274,597	273,949	588		60			
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,079,397	1,078,742	654		1			
3316 IRON AND STEEL PLATES, SHEETS-----	9,541	2,553	6,986					
3317 IRON AND STEEL PIPE AND TUBE-----	230,323	225,172	4,415		219	517		
3318 FERRALLOYS-----	2,127	892	1,235					
3319 IRON AND STEEL PRODUCTS, NEC-----	20,032	17,335	2,621		76			
3321 NONFERROUS METALS, NEC-----	16,686	9,341	7,325		20			
3322 COPPER ALLOYS, UNWORKED-----	43,067	18,946	24,120		1			
3323 LEAD AND ZINC, UNWORKED-----	27,658	25,527	2,089		42			
3324 ALUMINUM AND ALLOYS, UNWORKED-----	76,223	49,744	25,262		1,197	46		
3411 FABRICATED METAL PRODUCTS-----	550,046	522,143	26,600	28	1,154		71	4
3511 MACHINERY, EXCEPT ELECTRICAL-----	604,754	517,334	86,322		699	395	4	
3611 ELECTRICAL MACH AND EQUIP-----	871,579	619,905	51,299		375			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	790,522	752,633	37,780		109			

Waterborne Commerce of the United States, 1987

LONG BEACH HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3721 AIRCRAFT AND PARTS-----	4,974	546	4,257	-----	171	-----	-----	-----
3731 SHIPS AND BOATS-----	12,653	11,188	1,456	-----	9	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	6,865	4,076	2,809	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	95,963	80,052	15,875	-----	36	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	504,142	492,466	11,038	-----	638	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	310,405	130	310,275	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	124,160	1,979	121,877	-----	304	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	13,999	242	13,757	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	771,526	49	771,011	-----	466	-----	-----	-----
4112 COMMODITIES, NEC-----	135,642	24,299	47,853	128	57,578	2,956	2,828	-----
4119 EMPTY CONTAINERS-----	37	-----	-----	-----	-----	31	6	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	2,862	-----	2,862	-----	-----	-----	-----	-----

LOS ANGELES HARBOR, CALIF.

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

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	32,827,478	586,851	1983-----	28,034,681	431,184
1979-----	31,749,483	624,289	1984-----	31,242,369	659,753
1980-----	30,151,653	699,175	1985-----	36,373,907	589,161
1981-----	31,526,075	712,290	1986-----	39,659,444	350,447
1982-----	33,699,929	582,302	1987-----	40,460,556	377,752

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	40,460,556	10,931,388	9,231,823	10,221,687	3,229,380	620,297	4,080,202	3,145,779
0101 COTTON, RAW-----	347,464	-----	347,464	-----	-----	-----	-----	-----
0102 BARLEY AND RYE-----	1,572	-----	1,572	-----	-----	-----	-----	-----
0103 CORN-----	44,006	2	44,004	-----	-----	-----	-----	-----
0105 RICE-----	16,623	14,586	917	-----	1,120	-----	-----	-----
0106 SORGHUM GRAINS-----	3,183	-----	3,183	-----	-----	-----	-----	-----
0107 WHEAT-----	64,396	1	64,395	-----	-----	-----	-----	-----
0111 SOYBEANS-----	6,524	-----	6,524	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	9,351	686	9,665	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	4,169	147	4,022	-----	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	9,941	6,845	3,096	-----	-----	-----	-----	-----
0131 FRESH FRUITS-----	227,400	7,100	155,912	56,526	7,862	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	203,172	197,954	18	-----	5,200	-----	-----	-----
0133 COFFEE-----	17,434	17,041	176	45	172	-----	-----	-----
0134 COCOA BEANS-----	56	56	-----	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	61,426	3,050	17,761	3,115	37,500	-----	-----	-----
0151 LIVE ANIMALS-----	357	11	1	15	330	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	9,342	3,225	5,036	-----	1,081	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	3,274	1,304	1,970	-----	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	26,105	27,521	584	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	6,251	3,993	1,367	2,956	25	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	125,519	26,405	2,398	-----	-----	96,716	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	56,535	47,041	2,078	314	2,147	4,955	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	4,125	467	3,658	-----	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	66,567	66,567	-----	-----	-----	-----	-----	-----
1021 COPPER ORE AND CONCENTRATES-----	183,457	-----	183,457	-----	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	809	237	572	-----	-----	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	70	-----	70	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	24,433	22,654	447	-----	1,332	-----	-----	-----
1121 COAL AND LIGNITE-----	688,465	-----	688,465	-----	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	6,366,833	955,777	-----	5,071,546	246,675	8,504	80,625	23,653
1412 BUILDING STONE, UNWORKED-----	82	-----	82	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	6,914	3,140	4,074	-----	1,700	-----	-----	-----
1451 CLAY-----	22,658	10,393	11,448	-----	201	-----	-----	14
1471 PHOSPHATE ROCK-----	204	-----	204	-----	-----	-----	-----	-----
1479 NATURAL FERTILIZER MATS, NEC-----	4	4	-----	-----	-----	-----	-----	-----
1491 SALT-----	1,119	1,039	59	-----	21	-----	-----	-----
1492 SULPHUR, OXY-----	423,141	-----	423,141	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	10,537	3	3,686	-----	6,848	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	74,332	2,481	71,851	-----	-----	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	3,234	2,370	864	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	153,026	31,687	58,412	731	62,198	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	13,616	11,763	2,053	-----	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	3,062	-----	3,062	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	110,319	73	110,607	239	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	8,289	455	365	19	5,930	-----	-----	-----
2022 DRIED MILK AND CREAM-----	11,272	-----	11,272	-----	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	43,962	41,627	2,335	-----	-----	-----	-----	-----
2039 VEGETABLES AND PREP, NEC-----	82,276	25,369	9,129	3,822	43,956	-----	-----	-----

LOS ANGELES, CA, DISTRICT

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LOS ANGELES HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1967--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL	
		IMPORTS	EXPORTS	COASTWISE		INTERNAL			
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS		
2039 PREP FRUIT AND VEG JUICE, NEC-----	201,331	105,815	32,183	59,508	3,625				
2041 WHEAT FLOUR AND SEMOLINA-----	1,756		1,599		157				
2042 ANIMAL FEEDS-----	244,227	3,430	223,969		16,888				
2049 GRAIN MILL PRODUCTS, NEC-----	57,737	13,545	44,192						
2061 SUGAR-----	126	43	27	21	35				
2062 MOLASSES-----	126,433	14,001	566	50,467				61,399	
2081 ALCOHOLIC BEVERAGES-----	243,496	123,616	13,661	182	105,837				
2091 VEGETABLE OILS, MARG, SHORT-----	36,060	20,003	5,859	1	10,197				
2092 ANIMAL OILS AND FATS, NEC-----	1,205	1,188	17						
2094 GROCERIES-----	35,223			331	34,394			377	
2095 ICE-----	19,460	19,460						121	
2099 MISCELLANEOUS FOOD PRODUCTS-----	100,213	47,820	37,070	1,110	14,213				
2111 TOBACCO MANUFACTURES-----	20,195	166	17,745	7	2,277				
2211 BASIC TEXTILE PRODUCTS-----	191,967	173,693	14,977		3,297				
2212 TEXTILE FIBERS, NEC-----	2,887	1,543	1,344						
2311 APPAREL-----	302,917	302,158	759						
2411 LOGS-----	42,439	43	42,396						
2413 FUEL WOOD, CHARCOAL, WASTES-----	4,786	179	2,666	100	1,841				
2414 TIMBER, POSTS, POLES, PILING-----	1,173	1,164	9						
2415 PULPWOOD, LOGS-----	69		69						
2416 WOOD CHIPS, STAVES, MOLDINGS-----	159	75	84						
2421 LUMBER-----	304,081	79,488	18,207	177,702	29,684				
2431 VENEER, PLYWOOD, WORKED WOOD-----	64,633	63,628	560		465				
2491 WOOD MANUFACTURES, NEC-----	60,239	46,940	7,682		1,030			414	
2511 FURNITURE AND FIXTURES-----	218,547	176,409	3,297	20,750	18,691				
2611 PULP-----	11,952	93	11,859						
2621 STANDARD NEWSPRINT PAPER-----	147,285	140,504	6,781						
2631 PAPER AND PAPERBOARD-----	147,949	105,908	33,995		8,046				
2691 PULP AND PAPER PRODUCTS, NEC-----	40,086	14,094	7,224	45	18,723				
2711 PRINTED MATTER-----	30,578	24,487	2,750		3,341				
2810 SODIUM HYDROXIDE-----	6,083			6,083					
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	20,909	9,247	285	3,232	8,145				
2812 DYES, PIGMENT, TANNING MATS-----	1,745		1,745						
2813 ALCOHOLS-----	55,395	903	2,725	45,745				5,472	
2816 RADIOACTIVE MATERIALS, WASTES-----	591		58	533					
2817 BENZENE AND TOLUENE-----	83,061	60,239	7,017		6,350			3,455	
2819 BASIC CHEMICALS AND PROD, NEC-----	1,441,224	568,228	724,264	142,193	6,522			17	
2821 PLASTIC MATERIALS-----	260,315	90,294	166,572		1,449				
2822 SYNTHETIC RUBBER-----	30,159	1,163	28,996						
2823 SYNTHETIC (MAN-MADE) FIBERS-----	13,026	8,025	5,001						
2831 DRUGS-----	16,191	6,752	5,192	49	3,198				
2841 SOAP-----	39,831	8,153	21,032	18	10,628				
2851 PAINTS-----	32,155	18,420	6,194	16	7,525				
2861 GUM AND WOOD CHEMICALS-----	12,463	293	1,570	10,600					
2871 NITROGENOUS CHEM FERTILIZERS-----	21,710	12,555	2,237		5,924				
2872 POTASSIC CHEM FERTILIZERS-----	11,111	2,423	9,688						
2873 PHOSPHATIC CHEM FERTILIZERS-----	117		117						
2876 INSECTICIDES, DISINFECTANTS-----	13,416	1,455	9,993	12	1,956				
2879 FERTILIZER AND MATERIALS, NEC-----	8,788	6,495	2,293						
2891 MISCELLANEOUS CHEMICAL PROD-----	85,406	13,413	25,856	31,275	1,305			4,116	
2911 GASOLINE-----	2,437,698	420,341	41	1,723,846	261,432	25,640		6,481	
2912 JET FUEL-----	752,965	335,783		377,411	41,771			6,596	
2913 KEROSENE-----	13		13						
2914 DISTILLATE FUEL OIL-----	2,198,743	99,137	421,906	836,229	523,582	125,179		28,092	
2915 RESIDUAL FUEL OIL-----	10,443,757	37,022	1,060,486	924,316	1,251,997	341,286	3,954,843	162,018	
2916 LUBRICATING OILS AND GREASES-----	591,768	33,109	62,605	460,280	29,183			2,873,805	
2917 NAPHTHA, PETROLEUM SOLVENTS-----	114,023	40,238	132	73,653				3,362	
2918 ASPHALT, TAR, AND BITUMENS-----	3,984	67	299		3,618				
2920 COKE, PETROLEUM COKE-----	851,904		851,904						
2921 LIQUEFIED GASES-----	76,671	76,291	380						
2951 ASPHALT BUILDING MATERIALS-----	5,703		744		4,959				
2991 PETROLEUM AND COAL PROD, NEC-----	143,337	35	1,956	94,665	35,132	10,711		638	
3011 RUBBER AND MISCELLANEOUS PROD-----	336,680	303,688	21,195	191	5,756				
3111 LEATHER AND LEATHER PRODUCTS-----	207,344	199,368	7,976						
3211 GLASS AND GLASS PRODUCTS-----	48,026	42,384	4,335	65	1,242				
3241 BUILDING CEMENT-----	307,685	303,511	57		4,117				
3251 STRUCTURAL CLAY PRODUCTS-----	89,803	84,386	3,084	22	2,311				
3281 CUT STONE AND STONE PRODUCTS-----	50,153	47,485	254	91	2,323				
3291 MISCELLANEOUS METALLIC MINERAL PROD-----	171,173	120,351	12,484		38,338				
3311 PIG IRON-----	27		27						
3312 SLAG-----	34,498	34,006			492				
3314 IRON AND STEEL PRIMARY FORMS-----	251,079	250,182	897						
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,117,669	1,116,982	907						
3316 IRON AND STEEL PLATES, SHEETS-----	8,302	1,428	2,993	52	3,829				
3317 IRON AND STEEL PIPE AND TUB-----	285,696	277,871	1,640		5,985			200	
3318 FERROALLOYS-----	2,304	1,878	426						
3319 IRON AND STEEL PRODUCTS, NEC-----	42,581	23,667	18,903		11				
3321 NONFERROUS METALS, NEC-----	9,976	4,672	5,364						
3322 COPPER ALLOYS, UNWORKED-----	18,249	13,905	4,344						
3323 LEAD AND ZINC, UNWORKED-----	18,666	16,897	1,751		18				
3324 ALUMINUM AND ALLOYS, UNWORKED-----	53,453	39,115	14,338						
3411 FABRICATED METAL PRODUCTS-----	491,219	453,725	17,229	1,097	19,134	2		32	
3511 MACHINERY, EXCEPT ELECTRICAL-----	563,837	508,443	49,816	861	4,231			379	
3611 ELECTRICAL MACH AND EQUIP-----	759,382	714,092	39,731	65	5,494			107	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,094,161	1,022,150	27,229	17,472	27,290				
3721 AIRCRAFT AND PARTS-----	3,470	1,183	2,261	3	23				
3731 SHIPS AND BOATS-----	11,661	9,675	1,681	75	230				
3791 MISCELLANEOUS TRANSPORTATION EQUIPMENT-----	3,271	1,062	2,076		133				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	65,830	59,801	6,029						
3911 MISCELLANEOUS MANUFACTURED PRODUCTS-----	417,554	394,228	8,571	4,923	9,832				
4011 IRON AND STEEL SCRAP-----	1,190,078	225	1,185,716	4,137					
4012 NONFERROUS METAL SCRAP-----	116,896	894	116,002						
4022 TEXTILE WASTE, SCRAP, SWEEP-----	21,788	24	21,764						
4024 PAPER WASTE AND SCRAP-----	410,371		410,332	39					

Waterborne Commerce of the United States, 1987

LOS ANGELES HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
4029 WASTE AND SCRAP, NEC-----	1,271	-----	-----	812	110	69	280	-----
4111 WATER-----	70	-----	-----	-----	-----	-----	-----	70
4112 COMMODITIES, NEC-----	250,020	17,852	22,461	6,978	200,896	883	881	69
4119 EMPTY CONTAINERS-----	3,416	-----	-----	2,776	640	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	2,384	-----	2,384	-----	-----	-----	-----	-----

PORT HUENEME, CALIF.

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

YEAR	TONS	YEAR	TONS
1975-----	958,668	1983-----	203,746
1976-----	1,180,424	1984-----	348,514
1977-----	1,405,744	1985-----	1,139,852
1978-----	1,527,774	1986-----	521,187
1979-----	338,719	1987-----	513,029

* PASSENGERS--81.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	513,029	386,733	11,185	56,022	30,083	4,205	24,601	200
0131 FRESH FRUITS-----	10,185	-----	10,185	-----	-----	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	233,051	233,051	-----	-----	-----	-----	-----	-----
3133 COFFEE-----	288	288	-----	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	45	45	-----	-----	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	412	412	-----	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	8	-----	-----	-----	8	-----	-----	-----
1451 CLAY-----	550	-----	-----	53	-----	10	487	-----
1499 NONMETALLIC MINERALS, NEC-----	748	698	-----	-----	-----	-----	50	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	18	-----	18	-----	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	76	76	-----	-----	-----	-----	-----	-----
2094 GROCERIES-----	187	-----	-----	-----	2	-----	185	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	325	-----	10	-----	10	9	290	-----
2111 TOBACCO MANUFACTURES-----	145	-----	145	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	23	23	-----	-----	-----	-----	-----	-----
2311 APPAREL-----	4	4	-----	-----	-----	-----	-----	-----
2421 LUMBER-----	31,807	-----	-----	23,494	8,313	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	125	-----	-----	-----	36	27	62	-----
2511 FURNITURE AND FIXTURES-----	4	4	-----	-----	-----	-----	-----	-----
2611 PULP-----	42,127	42,127	-----	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	11	-----	-----	-----	-----	-----	11	-----
2821 PLASTIC MATERIALS-----	15	15	-----	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	504	-----	504	-----	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	2,809	-----	-----	993	220	9	1,587	-----
2915 RESIDUAL FUEL OIL-----	30,829	-----	-----	30,829	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	1	-----	-----	-----	-----	-----	1	-----
3011 RUBBER AND MISC PLASTIC PROD-----	11	11	-----	-----	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	15	15	-----	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	2	-----	-----	-----	-----	-----	2	-----
3241 BUILDING CEMENT-----	346	-----	-----	-----	-----	10	336	-----
3251 STRUCTURAL CLAY PRODUCTS-----	23	23	-----	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	1	-----	-----	-----	1	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	905	-----	-----	-----	5	220	680	-----
3411 FABRICATED METAL PRODUCTS-----	1,398	1	72	81	133	119	392	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	7,421	-----	4	101	515	1,119	5,652	-----
3611 ELECTRICAL MACH AND EQUIP-----	219	211	7	-----	-----	-----	1	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	109,805	109,719	86	-----	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1	-----	-----	-----	1	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	27,372	12	-----	-----	19,755	994	6,511	-----
4011 IRON AND STEEL SCRAP-----	10	-----	-----	-----	-----	10	-----	-----
4029 WASTE AND SCRAP, NEC-----	583	-----	-----	217	32	247	87	-----
4111 WATER-----	1,326	-----	-----	-----	175	9	1,142	-----
4112 COMMODITIES, NEC-----	8,998	-----	154	192	863	1,372	6,217	200
4119 EMPTY CONTAINERS-----	298	-----	-----	12	8	50	228	-----

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
MISSION BAY, CALIF.,-----	NO COMMERCE REPORTED			
MORRO BAY HARBOR, CALIF.,-----	NO COMMERCE REPORTED			
REDONDO BEACH, CALIF.,-----	NO COMMERCE REPORTED			
SANTA BARBARA HARBOR, CALIF.,-----	NO COMMERCE REPORTED			
NONPROJECT				
ELLWOOD, CALIF.,-----	1311 CRUDE PETROLEUM-----	483,274		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	8		
	1451 CLAY-----	53		
	2094 GROCERIES-----	2		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	16		
	2421 LUMBER-----	1		
	2491 WOOD MANUFACTURES, NEC-----	36		
	2914 DISTILLATE FUEL OIL-----	679		
	3291 MISC. NONMETALLIC MINERAL PROD-----	1		
	3317 IRON AND STEEL PIPE AND TUBE-----	5		
	3411 FABRICATED METAL PRODUCTS-----	214		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	666		
	3791 MISC TRANSPORTATION EQUIPMENT-----	1		
	3911 MISC MANUFACTURED PRODUCTS-----	19,756		
	4029 WASTE AND SCRAP, NEC-----	139		
	4111 WATER-----	175		
	4112 COMMODITIES, NEC-----	1,575		
	4119 EMPTY CONTAINERS-----	20		
	TOTAL-----	506,621		46,026

Waterborne Commerce of the United States, 1987

SACRAMENTO, CA, DISTRICT

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

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 DEPTHS: 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 DEPTHS: 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

YEAR	TONS	YEAR	TONS
1978-----	1,760,717	1983-----	1,838,583
1979-----	2,065,089	1984-----	1,648,768
1980-----	2,964,769	1985-----	1,749,348
1981-----	3,118,927	1986-----	1,208,832
1982-----	2,016,475	1987-----	1,400,217

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC			
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	1,400,217	136,428	754,013	307,546	28,514	120,531	32,385	11,100	9,700
0105 RICE-----	319,915		319,915						
0107 WHEAT-----	132,263		132,263						
0119 GILSEEDS, NEC-----	24,094		24,094						
0129 FIELD CROPS, NEC-----	15		15						
0131 FRESH FRUITS-----	39		39						
1411 LIMESTONE-----	7,334	7,334							
1442 SAND, GRAVEL, CRUSHED ROCK-----	19,740					15,740	4,000		
1451 CLAY-----	5,000		5,000						
1492 SULPHUR, DRY-----	41,254		41,254						
1494 GYPSUM, CRUDE AND PLASTERS-----	26,555	26,555							
2011 MEAT, FRESH, CHILLED, FROZEN-----	34		34						
2012 MEAT AND PRODUCTS, NEC-----	5		5						
2022 DRIED MILK AND CREAM-----	9		9						
2031 FISH AND SHELLFISH, PREPARED-----	7		7						
2034 VEGETABLES AND PREP, NEC-----	3		3						
2039 PREP FRUIT AND VEG JUICE, NEC-----	2		2						
2041 WHEAT FLOUR AND SEMOLINA-----	12		12						
2042 ANIMAL FEEDS-----	33,635		33,635						
2061 SUGAR-----	7		7						
2081 ALCOHOLIC BEVERAGES-----	216	145	71						
2091 VEGETABLE OILS, MARG, SHORT-----	2		2						
2099 MISCELLANEOUS FOOD PRODUCTS-----	5,590		3,590						
2111 TOBACCO MANUFACTURES-----	1		1						
2211 BASIC TEXTILE PRODUCTS-----	1		1						
2311 APPAREL-----	7	7							
2411 LOGS-----	36,259		36,259						
2416 WOOD CHIPS, STAVES, MOLDINGS-----	158,449		158,449						
2421 LUMBER-----	90		90						
2431 VENEER, PLYWOOD, WORKED WOOD-----	50		50						
2621 STANDARD NEWSPRINT PAPER-----	7,616	7,616							
2651 PAPER AND PAPERBOARD-----	132		132						
2691 PULP AND PAPER PRODUCTS, NEC-----	2		2						
2711 PRINTED MATTER-----	55		55						
2812 DYES, PIGMENT, TANNING MATS-----	2		2						
2819 BASIC CHEMICALS AND PROD, NEC-----	151,165	24,773	58	120,551	5,783				
2821 PLASTIC MATERIALS-----	45		45						
2831 DRUGS-----	5		5						
2841 SOAP-----	1		1						
2851 PAINTS-----	3		3						
2871 NITROGENOUS CHEM FERTILIZERS-----	256,947	69,952		186,995					
2879 FERTILIZER AND MATERIALS, NEC-----	5		5						
2891 MISCELLANEOUS CHEMICAL PROD-----	3		3						
2991 PETROLEUM AND COAL PROD, NEC-----	7,855		20	7,835					
3011 RUBBER AND MISC PLASTIC PROD-----	280		280						
3111 LEATHER AND LEATHER PRODUCTS-----	3	3							
3211 GLASS AND GLASS PRODUCTS-----	12		12						
3241 BUILDING CEMENT-----	20		20						
3251 STRUCTURAL CLAY PRODUCTS-----	474		474						
3291 MISC NONMETALLIC MINERAL PROD-----	3,892		2			890	3,000		
3315 IRON, STEEL SHAPES, EXC SHEET-----	6		6						
3317 IRON AND STEEL PIPE AND TUBE-----	100							100	
3411 FABRICATED METAL PRODUCTS-----	98		13				85		
3511 MACHINERY, EXCEPT ELECTRICAL-----	807	1	5			1	800		
3611 ELECTRICAL MACH AND EQUIP-----	36	31	5						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	515		5				500		
3791 MISC TRANSPORTATION EQUIPMENT-----	3		3						
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3	1	2						
3911 MISC MANUFACTURED PRODUCTS-----	5		5						
4112 COMMODITIES, NEC-----	14,931	5	30	14,896					
4118 WATERWAY IMPROVEMENT MAT-----	148,600					103,900	24,000	11,000	9,700
9999 DEPARTMENT OF DEFENSE AND SCI-----	18		18						
TOTAL TON-MILES-----	52,303,548								

SACRAMENTO, CA, DISTRICT

11

SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CALIF.
(INCLUDED IN SACRAMENTO RIVER, CALIF.)

SECTION INCLUDED: A DEEPWATER SHIP CHANNEL FROM SUIJUN BAY TO THE INLAND HARBOR AT SACRAMENTO, A DISTANCE OF 45 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 DEPTHS: 29 FEET IN THE DEEPWATER SHIP CHANNEL AND TRIANGULAR-SHAPED HARBOR AND TURNING BASIN; 15 FEET IN THE BARGE CANAL. PROJECT DEPTHS: 30 FEET IN THE DEEPWATER SHIP CHANNEL AND TRIANGULAR-SHAPED HARBOR AND TURNING BASIN; 15 FEET IN THE BARGE CANAL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	1,556,142	1983-----	1,833,859
1979-----	1,779,124	1984-----	1,622,721
1980-----	2,948,802	1985-----	1,493,081
1981-----	3,111,912	1986-----	970,105
1982-----	1,928,115	1987-----	1,220,070

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		INTERNAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,220,070	136,428	754,013	307,546	5,783	16,300
0105 RICE-----	319,915		319,915			
0107 WHEAT-----	132,263		132,263			
0119 OILSEEDS, NEC-----	24,094		24,094			
0129 FIELD CRUMPS, NEC-----	15		15			
0131 FRESH FRUITS-----	39		39			
1411 LIMESTONE-----	7,334	7,334				
1451 CLAY-----	3,000		3,000			
1492 SULPHUR, DRY-----	41,254		41,254			
1494 GYPSUM, CRUDE AND PLASTERS-----	26,555	26,555				
2011 MEAT, FRESH, CHILLED, FROZEN-----	34		34			
2012 MEAT AND PRODUCTS, NEC-----	5		5			
2022 DRIED MILK AND CREAM-----	9		9			
2031 FISH AND SHELLFISH, PREPARED-----	7		7			
2034 VEGETABLES AND PREP, NEC-----	3		3			
2039 PREP FRUIT AND VEG JUICE, NEC-----	2		2			
2041 WHEAT FLOUR AND SEMOLINA-----	12		12			
2042 ANIMAL FEEDS-----	33,635		33,635			
2061 SUGAR-----	7		7			
2081 ALCOHOLIC BEVERAGES-----	216	145	71			
2091 VEGETABLE OILS, MARG, SHORT-----	2		2			
2099 MISCELLANEOUS FOOD PRODUCTS-----	3,590		3,590			
2111 TOBACCO MANUFACTURES-----	1		1			
2211 BASIC TEXTILE PRODUCTS-----	1		1			
2311 APPAREL-----	7	7				
2411 LOGS-----	36,259		36,259			
2416 WOOD CHIPS, STAVES, MULDINGS-----	158,449		158,449			
2421 LUMBER-----	90		90			
2431 VENEER, PLYWOOD, WORKED WOOD-----	50		50			
2621 STANDARD NEWSPRINT PAPER-----	7,616	7,616				
2631 PAPER AND PAPERBOARD-----	132		132			
2691 PULP AND PAPER PRODUCTS, NEC-----	2		2			
2711 PRINTED MATTER-----	55		55			
2812 DYES, PIGMENT, TANNING MATS-----	2		2			
2819 BASIC CHEMICALS AND PROD, NEC-----	151,165	24,773	58	120,551	5,783	
2821 PLASTIC MATERIALS-----	45		45			
2831 DRUGS-----	5		5			
2841 SOAP-----	1		1			
2851 PAINTS-----	3		3			
2871 NITROGENOUS CHEM FERTILIZERS-----	256,947	69,952		186,995		
2879 FERTILIZER AND MATERIALS, NEC-----	5		5			
2891 MISCELLANEOUS CHEMICAL PROD-----	3		3			
2991 PETROLEUM AND COAL PROD, NEC-----	20		20			
3011 RUBBER AND MISC PLASTIC PROD-----	280		280			
3111 LEATHER AND LEATHER PRODUCTS-----	3	3				
3211 GLASS AND GLASS PRODUCTS-----	12		12			
3241 BUILDING CEMENT-----	20		20			
3251 STRUCTURAL CLAY PRODUCTS-----	474		474			
3291 MISC NONMETALLIC MINERAL PROD-----	2		2			
3315 IRON, STEEL SHAPES, EAC SHEET-----	6		6			
3411 FABRICATED METAL PRODUCTS-----	13		13			
3511 MACHINERY, EXCEPT ELECTRICAL-----	6	1	5			
3611 ELECTRICAL MACH AND EQUIP-----	36	31	5			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	5		5			
3791 MISC TRANSPORTATION EQUIPMENT-----	3		3			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3	1	2			
3911 MISC MANUFACTURED PRODUCTS-----	5	5				
4112 COMMODITIES, NEC-----	35	5	30			
4118 WATERWAY IMPROVEMENT MAT-----	16,300					16,300
9999 DEPARTMENT OF DEFENSE AND SCI-----	18		18			
TOTAL TON-MILES, 49,354,570.						

SACRAMENTO, CALIF. (INCLUDED IN SACRAMENTO RIVER, CALIF.)

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

YEAR	TONS	YEAR	TONS
1978-----	1,657,631	1983-----	1,822,496
1979-----	2,030,770	1984-----	1,822,929
1980-----	2,948,802	1985-----	1,497,020
1981-----	3,113,425	1986-----	1,014,524
1982-----	1,948,965	1987-----	1,227,391

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL RECEIPTS
TOTAL-----	1,227,391	136,428	754,013	307,546	890
0105 RICE-----	319,915		319,915		
0107 WHEAT-----	132,263		132,263		
0119 OILSEEDS, NEC-----	24,094		24,094		
0129 FIELD CROPS, NEC-----	15		15		
0131 FRESH FRUITS-----	39		39		
1411 LIVESTOCK-----	7,334	7,334			
1451 CLAY-----	3,000		3,000		
1492 SULPHUR, DRY-----	41,254		41,254		
1494 GYPSUM, CRUDE AND PLASTERS-----	26,555	26,555			
2011 MEAT, FRESH, CHILLED, FROZEN-----	34		34		
2012 MEAT AND PRODUCTS, NEC-----	5		5		
2022 DRIED MILK AND CREAM-----	9		9		
2031 FISH AND SHELLFISH, PREPARED-----	7		7		
2034 VEGETABLES AND PREP, NEC-----	3		3		
2039 PREP FRUIT AND VEG JUICE, NEC-----	2		2		
2041 WHEAT FLOUR AND SEMOLINA-----	12		12		
2042 ANIMAL FEEDS-----	33,635		33,635		
2061 SUGAR-----	7		7		
2081 ALCOHOLIC BEVERAGES-----	216	145	71		
2091 VEGETABLE OILS, MARG, SHORT-----	2		2		
2099 MISCELLANEOUS FOOD PRODUCTS-----	3,590		3,590		
2111 TOBACCO MANUFACTURES-----	1		1		
2211 BASIC TEXTILE PRODUCTS-----	1		1		
2311 APPAREL-----	7	7			
2411 LUGS-----	36,259		36,259		
2416 WOOD CHIPS, SLAVES, MULCHINGS-----	158,449		158,449		
2421 LUMBER-----	90		90		
2431 VENEER, PLYWOOD, WORKED WOOD-----	50		50		
2621 STANDARD NEWSPRINT PAPER-----	7,616	7,616			
2631 PAPER AND PAPERBOARD-----	132		132		
2691 PULP AND PAPER PRODUCTS, NEC-----	2		2		
2711 PRINTED MATTER-----	55		55		
2812 DYES, PIGMENT, TANNING MATS-----	2		2		
2819 BASIC CHEMICALS AND PROD, NEC-----	151,165	24,773	58	120,551	5,783
2821 PLASTIC MATERIALS-----	45		45		
2831 DRUGS-----	5		5		
2841 SOAP-----	1		1		
2851 PAINTS-----	3		3		
2871 NITROGENOUS CHEM FERTILIZERS-----	256,947	69,752		186,995	
2879 FERTILIZER AND MATERIALS, NEC-----	5		5		
2891 MISCELLANEOUS CHEMICAL PROD-----	3		3		
2991 PETROLEUM AND COAL PROD, NEC-----	7,855		20		7,835
3011 RUBBER AND MISC PLASTIC PROD-----	280		280		
3111 LEATHER AND LEATHER PRODUCTS-----	3	3			
3211 GLASS AND GLASS PRODUCTS-----	12		12		
3241 BUILDING CEMENT-----	20		20		
3251 STRUCTURAL CLAY PRODUCTS-----	474		474		
3291 MISC NONMETALLIC MINERAL PROD-----	692		2		690
3315 IRON, STEEL SHAPES, EXC SHEET-----	6		6		
3411 FABRICATED METAL PRODUCTS-----	13		13		
3511 MACHINERY, EXCEPT ELECTRICAL-----	6	1	5		
3621 ELECTRICAL MACH AND EQUIP-----	36	31	5		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	5		5		
3791 MISC TRANSPORTATION EQUIPMENT-----	3		3		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3		2		
3911 MISC MANUFACTURED PRODUCTS-----	5	5			
4112 COMMODITIES, NEC-----	14,931	5	30		14,896
9999 DEPARTMENT OF DEFENSE AND SCI-----	18		18		

SAY JOAQUIN RIVER, CALIF. (INCLUDING COMMERCE OF
PORT OF STOCKTON, CALIF.)

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

YEAR	TONS	YEAR	TONS
1978-----	2,638,522	1983-----	3,277,363
1979-----	3,104,550	1984-----	2,423,372
1980-----	3,920,171	1985-----	2,516,628
1981-----	3,983,148	1986-----	2,430,013
1982-----	2,759,139	1987-----	3,771,086

FREIGHT TRAFFIC, 1987

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	IMPORTS	EXPORTS
TOTAL-----	2,776,278	972,555	1,803,723
0101 COTTON, RAW-----	64		64
0107 WHEAT-----	294,014		294,014
0129 FIELD CROPS, NEC-----	1,344		1,344
0131 FRESH FRUITS-----	35		35
0141 FRESH AND FROZEN VEGETABLES-----	134	21	113
0161 ANIMALS AND PRODUCTS, NEC-----	7	7	
0912 SHELLFISH, EXCEPT PREPARED-----	2		2
1442 SAND, GRAVEL, CRUSHED ROCK-----	24	24	
1451 CLAY-----	13,120		13,120
1492 SULPHUR, ORY-----	512,294		512,294
1494 GYPSUM, CRUDE AND PLASTERS-----	507,267	507,267	
1499 NONMETALLIC MINERALS, NEC-----	332	14	318
1911 ORDNANCE AND ACCESSORIES-----	9		9
2011 MEAT, FRESH, CHILLED, FROZEN-----	166		166
2012 MEAT AND PRODUCTS, NEC-----	3		3
2014 TALLOW, ANIMAL FATS AND OILS-----	551		551
2021 DAIRY PRODUCTS, NEC-----	1		1
2022 DRIED MILK AND CREAM-----	280		280
2031 FISH AND SHELLFISH, PREPARED-----	2		2
2034 VEGETABLES AND PREP, NEC-----	221		221
2037 PREP FRUIT AND VEG JUICE, NEC-----	248		248
2042 ANIMAL FEEDS-----	345		345
2049 GRAIN MILL PRODUCTS, NEC-----	217		217
2081 ALCOHOLIC BEVERAGES-----	357	27	330
2091 VEGETABLE OILS, MARG, SHORT-----	1,088		1,088
2099 MISCELLANEOUS FOOD PRODUCTS-----	7,139		7,139
2211 BASIC TEXTILE PRODUCTS-----	42	38	4
2421 LUMBER-----	262		262
2491 WOOD MANUFACTURES, NEC-----	50	28	22
2511 FURNITURE AND FIXTURES-----	62	62	
2631 PAPER AND PAPERBOARD-----	8,323	557	7,766
2711 PRIVATE MATTER-----	18	10	8
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	763	763	
2813 ALCOHOLS-----	6,858	6,858	
2817 BENZENE AND TOLUENE-----	4,962	4,962	
2819 BASIC CHEMICALS AND PROD, NEC-----	195,508	187,170	8,338
2851 PAINTS-----	9		9
2871 NITROGENOUS CHEM FERTILIZERS-----	62,720	62,720	
2879 FERTILIZER AND MATERIALS, NEC-----	4,631	4,629	2
2891 MISCELLANEOUS CHEMICAL PROD-----	2,056	1,101	955
2915 RESIDUAL FUEL OIL-----	253,152	51,903	201,249
2916 LUBRICATING OILS AND GREASES-----	24,550		24,550
2918 ASPHALT, TAR, AND PITCHES-----	22		22
2920 COKE, PETROLEUM COKE-----	734,796	22,046	682,750
2951 ASPHALT BUILDING MATERIALS-----	38		38
3011 RUBBER AND MISC PLASTIC PROD-----	59	52	7
3111 LEATHER AND LEATHER PRODUCTS-----	1	1	
3241 BUILDING CEMENT-----	121,242	121,242	
3281 CUT STONE AND STONE PRODUCTS-----	9	9	
3319 IRON AND STEEL PRODUCTS, NEC-----	22	22	
3411 FABRICATED METAL PRODUCTS-----	732	726	6
3511 MACHINERY, EXCEPT ELECTRICAL-----	260	248	12
3611 ELECTRICAL MACH AND EQUIP-----	161	143	18
3711 MOTOR VEHICLES, PARTS, EQUIP-----	23		23
3911 MISC MANUFACTURED PRODUCTS-----	56	52	4
4011 IRON AND STEEL SCRAP-----	45,489		45,489
4022 TEXTILE WASTE, SCRAP, SWEEP-----	43		43
4112 COMMODITIES, NEC-----	96	53	43
9999 DEPARTMENT OF DEFENSE AND SCI-----	139		139
TOTAL-----	2,776,278	972,555	1,803,723
TON-MILES, FOREIGN,-----	58,697,979.		

Waterborne Commerce of the United States, 1987

SAN JOAQUIN RIVER, CALIF. (INCLUDING COMMERCE OF
PORT OF STOCKTON, CALIF.)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL					
		RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
								UPBOUND	DOWNBOUND
TOTAL-----	994,808	173,707	66,678	364,535	236,988	23,400	4,620	103,080	21,800
1442 SAND, GRAVEL, CRUSHED ROCK----	169,400	-----	-----	4,000	163,400	2,000	-----	-----	-----
1491 SALT-----	39,600	-----	-----	39,600	-----	-----	-----	-----	-----
2062 MOLASSES-----	53,259	-----	-----	53,259	-----	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING----	5,100	-----	-----	3,500	-----	1,600	-----	-----	-----
2810 SODIUM HYDROXIDE-----	29,085	24,155	4,930	-----	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC----	90,231	36,483	53,748	-----	-----	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	4,866	4,866	-----	-----	-----	-----	-----	-----	-----
2911 GASOLINE-----	3,340	3,340	-----	-----	-----	-----	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	265,408	97,600	-----	133,341	35,067	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC----	15,863	7,863	8,000	-----	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD----	9,590	-----	-----	4,100	2,490	-----	3,000	-----	-----
3317 IRON AND STEEL PIPE AND TUBE----	7,000	-----	-----	-----	5,000	-----	-----	2,000	-----
3411 FABRICATED METAL PRODUCTS-----	1,655	-----	-----	85	1,500	-----	100	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL----	2,701	-----	-----	550	2,131	-----	20	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP----	1,000	-----	-----	500	500	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	131,080	-----	-----	30,000	-----	-----	-----	101,080	-----
4118 WATERWAY IMPROVEMENT MAT-----	165,600	-----	-----	95,600	26,900	19,600	1,500	-----	21,800
TON-MILES, DOMESTIC, 11,858,742.									
TONS, ALL TRAFFIC, 3,771,086.									
TON-MILES, ALL TRAFFIC, 70,556,721.									

STOCKTON, CALIF. (INCLUDED IN SAN JOAQUIN RIVER, CALIF.)

SECTION INCLUDED: MARBOR 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

YEAR	TONS	YEAR	TONS
1978-----	1,554,482	1983-----	1,102,865
1979-----	1,617,508	1984-----	927,049
1980-----	1,995,435	1985-----	748,857
1981-----	1,950,947	1986-----	867,722
1982-----	1,335,121	1987-----	1,389,448

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL RECEIPTS SHIPMENTS
TOTAL-----	1,389,448	419,452	692,825	27,692	57,259 2,020
0101 COTTON, RAW-----	64	-----	64	-----	-----
0107 WHEAT-----	294,014	-----	294,014	-----	-----
0129 FIELD CROPS, NEC-----	1,344	-----	1,344	-----	-----
0131 FRESH FRUITS-----	35	-----	35	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	113	-----	113	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	7	-----	7	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	2	-----	2	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK----	24	-----	24	-----	-----
1451 CLAY-----	13,120	-----	13,120	-----	-----
1492 SULPHUR, DRY-----	457,764	-----	457,764	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	318	-----	318	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN----	166	-----	166	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	3	-----	3	-----	-----
2021 DAIRY PRODUCTS, NEC-----	1	-----	1	-----	-----
2022 DRIED MILK AND CREAM-----	280	-----	280	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	2	-----	2	-----	-----
2034 VEGETABLES AND PREP, NEC-----	221	-----	221	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC----	248	-----	248	-----	-----
2042 ANIMAL FEEDS-----	345	-----	345	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	1	-----	1	-----	-----
2062 MOLASSES-----	53,259	-----	-----	-----	53,259
2081 ALCOHOLIC BEVERAGES-----	357	27	330	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	7,139	-----	7,139	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	42	38	4	-----	-----
2421 LUMBER-----	230	-----	230	-----	-----
2491 WOOD MANUFACTURES, NEC-----	50	28	22	-----	-----
2511 FURNITURE AND FIXTURES-----	62	-----	62	-----	-----
2631 PAPER AND PAPERBOARD-----	557	557	-----	-----	-----
2711 PRINTED MATTER-----	18	10	8	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC----	216,274	187,170	6,078	23,026	-----
2851 PAINTS-----	9	-----	9	-----	-----
2861 GUM AND WOOD CHEMICALS-----	4,866	-----	-----	4,866	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	62,720	-----	62,720	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	4,631	4,629	2	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	6	-----	6	-----	-----

SACRAMENTO, CA, DISTRICT

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STOCKTON, CALIF. (INCLUDED IN SAN JOAQUIN RIVER, CALIF.)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL RECEIPTS SHIPMENTS
2915 RESIDUAL FUEL OIL-----	19,598	19,598			
2916 LUBRICATING OILS AND GREASES-----	4		4		
2918 ASPHALT, TAN, AND PITCHES-----	22		22		
2920 COKE, PETROLEUM COKE-----	77,293	22,046	55,247		
2951 ASPHALT BUILDING MATERIALS-----	38		38		
3011 RUBBER AND MISC PLASTIC PROD-----	59	52			
3111 LEATHER AND LEATHER PRODUCTS-----	1	1			
3241 BUILDING CEMENT-----	121,242	121,242			
3281 CUT STONE AND STONE PRODUCTS-----	9	9			
3319 IRON AND STEEL PRODUCTS, NEC-----	22	22			
3411 FABRICATED METAL PRODUCTS-----	732	726	6		
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,780	248	12		1,520
3611 ELECTRICAL MACH AND EQUIP-----	161	143	18		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	23		23		
3911 MISC MANUFACTURED PRODUCTS-----	56	52	4		
4011 IRON AND STEEL SCRAP-----	45,489		45,489		
4022 TEXTILE WASTE, SCRAP, SWEEP-----	43		43		
4112 COMMODITIES, NEC-----	84	41	43		
4118 WATERWAY IMPROVEMENT MAT-----	4,500				4,000 500

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
MIDDLE RIVER, CALIF.-----	4118 WATERWAY IMPROVEMENT MAT-----	16,800	116,400	-----
KOKELUMNE RIVER, CALIF.-----	4118 WATERWAY IMPROVEMENT MAT-----	4,000	32,000	-----
OLD RIVER, CALIF.-----	3317 IRON AND STEEL PIPE AND TUBE-----	2,000	-----	-----
	4029 WASTE AND SCRAP, NEC-----	101,080	-----	-----
	4118 WATERWAY IMPROVEMENT MAT-----	29,250	-----	-----
	TOTAL-----	132,330	3,269,600	-----

SAN FRANCISCO, CA, DISTRICT

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TOTAL WATERBORNE COMMERCE OF THE SAN FRANCISCO BAY AND DELTA AREAS

CALENDAR YEAR 1957

(SHORT TONS)

LOCALITY	FOREIGN		DOMESTIC				LOCAL	TOTAL	PERCENT	THROUGH TRAFFIC
	IMPORTS	EXPORTS	COASTWISE		INTERNAL RECEIPTS AND SHIPMENTS					
			RECEIPTS	SHIPMENTS	SHIPMENTS					
SAN RAFAEL CREEK, CALIF.										
Petaluma River, Calif.					1,675,340		1,675,340	1.94		
Yapa River, Calif.					40,600		40,600	.05		
Carajinez Strait, Calif.	1,214,927	2,287,593	8,153,456	2,788,556	3,817,981	174,344	18,436,857	21.36	8,908,156	
Suisun Bay Channel, Calif.		241,389	1,829,570	1,222,235	725,513		4,018,707	4.66	5,019,532	
Suisun Channel, Calif.					2,301		2,301	.01		
Sacramento River, Calif.	136,428	754,013	307,546	28,514	152,916	20,830	1,400,217	1.62		
San Joaquin River, Calif. and Trib.	972,555	1,803,723	173,707	66,578	752,603	30,070	3,799,336	4.40	124,880	
San Pablo Bay and Mare Island Strait, Calif.	93,644	419,935	2,293,738	1,741,731	2,581,187		7,130,235	8.26	27,614,402	
Richmond Harbor, Calif.	1,813,905	2,991,705	9,552,250	2,214,060	4,614,260	240,238	21,431,418	24.83		
Oakland Harbor, Calif.	2,985,590	3,375,073	425,239	514,399	1,611,631		9,211,932	10.67		
Vermark Slough, Calif.										
Coyote Hill Slough, Calif.					130		130	.01		
Alviso Slough, Calif.										
Redwood City Harbor, Calif.	41,233	215,638	54,188	212,810	140,169		664,236	.77		
San Francisco Harbor, Calif.	1,062,960	1,013,830	51	3,304	740,926	1,443	2,822,999	3.27		
San Francisco Bay, Other Ports, Calif.	36,652	125,627	4,053,862	29,382	11,150,266	270,413	15,665,422	18.15		
Berkeley, Calif.										
TOTAL (UNADJUSTED)	8,357,894	13,228,731	26,843,607	9,122,369	28,010,823	737,308	86,300,732		41,666,970	
PERCENT (UNADJUSTED)	9.68	15.33	31.10	10.57	32.47	.85		100.00		
NET VOLUME OF TONNAGE FOR THE AREA	8,357,894	13,228,731	26,843,607	9,122,369	14,019,986	737,308	72,309,895			
PERCENT (ADJUSTED)	11.56	18.29	37.12	12.62	19.39	1.02		100.00		

* NOT INCLUDED IN THE TOTAL TONNAGE OF THE BAY AND DELTA AREA.

** TRIBUTARIES TO SAN JOAQUIN RIVER INCLUDE KUKULUMNE, MIDDLE, AND OLD RIVERS.

*** ADJUSTED TO NET VOLUME BY EXCLUDING ONE-HALF OF INTERNAL TRAFFIC MOVED BETWEEN PORTS AND WATERWAYS OF THE SAN FRANCISCO BAY AND DELTA AREAS.

SAN FRANCISCO BAY ENTRANCE, CALIF.

SECTION INCLUDED: BONITA, MAIN SHIP AND SOUTH CHANNELS. CONTROLLING DEPTH: BONITA CHANNEL, 39 FEET; SOUTH CHANNEL, 33 FEET; MAIN SHIP CHANNEL, 52.6 FEET. PROJECT DEPTH: MAIN SHIP CHANNEL, 55 FEET. BONITA AND SOUTH CHANNELS, NO FEDERAL PROJECT.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	FOREIGN THROUGH		DOMESTIC THROUGH		TOTAL	YEAR	FOREIGN THROUGH		DOMESTIC THROUGH		TOTAL
	IMPORTS	EXPORTS	IMPORTS	EXPORTS			IMPORTS	EXPORTS	IMPORTS	EXPORTS	
1978-----	11,568,743	8,630,775	20,273,694	13,984,191	52,377,403	1983-----	7,139,106	10,373,664	16,772,362	12,928,404	47,815,336
1979-----	10,263,721	6,332,082	22,401,040	14,445,334	55,442,177	1984-----	9,515,619	16,340,646	20,574,476	9,331,116	49,361,657
1980-----	8,165,196	5,543,058	20,749,552	17,686,162	57,196,568	1985-----	7,562,221	10,456,691	22,274,562	10,173,330	50,467,024
1981-----	6,789,674	4,649,681	20,487,338	17,740,333	55,667,026	1986-----	8,802,949	11,649,320	24,957,322	9,564,510	54,614,151
1982-----	5,915,358	4,712,056	18,565,931	15,157,937	48,351,282	1987-----	8,357,894	13,228,731	26,873,211	9,121,914	57,581,750

SAN FRANCISCO HARBOR, CALIF.

SECTION INCLUDED: FROM FORT POINT TO SAN FRANCISCO AIRPORT ON THE WEST SIDE OF THE SAN FRANCISCO BAY. CONTROLLING DEPTH: MAIN SHIP CHANNEL, 54.8 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; SHAW ROCKS 1 AND 2, 36.9 FEET; POINT KNIX SHOAL, 38.2 FEET; ISLAIS CREEK SHOAL, 38.2 FEET; CHANNEL AND BASIN AT SAN FRANCISCO AIRPORT, 6.6 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 BAY; 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 RACON SHOAL, AND THE WESTERN PART OF POINT KNIX SHOAL; 35 FEET ACROSS ISLAIS CREEK SHOAL; 10 FEET TO THE SAN FRANCISCO AIRPORT.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC			YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC		
			CAR FERRY-RAILROAD CARS	EMPTY	LOADED				CAR FERRY-RAILROAD CARS	EMPTY	LOADED
1978--	2,317,565	33,253	8,750	9,522	16,272	1983--	1,484,314	3,057,723	830	767	1,597
1979--	2,353,799	-----	3,650	4,268	7,918	1984--	2,166,342	3,471,199	203	177	380
1980--	1,752,193	-----	23,134	24,327	47,461	1985--	3,762,481	1,484,000	-----	-----	-----
1981--	1,567,985	1,707,174	2,160	2,304	4,464	1986--	2,773,402	5,350,953	-----	-----	-----
1982--	1,654,777	2,141,582	1,403	1,490	2,893	1987--	2,822,949	6,458,184	-----	-----	-----

SAN FRANCISCO HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	2,822,999	1,062,960	1,013,835	31	3,804	414,558	326,418	1,443
0101 COTTON, RAW-----	50,514		50,514					
0103 CORN-----	277		277					
0104 OATS-----	31		31					
0105 RICE-----	9,603	8,601	1,002					
0106 SORGHUM GRAINS-----	51		51					
0107 WHEAT-----	121		121					
0111 SOYBEANS-----	41	1	40					
0119 OILSEEDS, NEC-----	5,596	353	5,243					
0121 TOBACCO, LEAF-----	1	1						
0129 FIELD CROPS, NEC-----	2,686	298	2,388					
0131 FRESH FRUITS-----	5,951	164	5,787					
0132 BANANAS AND PLANTAINS-----	70	70						
0133 COFFEE-----	97,103	96,759	344					
0134 COCOA BEANS-----	8,916	8,916						
0141 FRESH AND FROZEN VEGETABLES-----	9,016	2,714	6,302					
0151 LIVE ANIMALS-----	1		1					
0161 ANIMALS AND PRODUCTS, NEC-----	3,326	1,490	1,836					
0191 MISCELLANEOUS FARM PRODUCTS-----	148	142	6					
2841 CRUDE RUBBER AND ALLIED GUMS-----	1,089	1,086	3					
3561 FOREST PRODUCTS, NEC-----	993	947	46					
0911 FRESH FISH, EXCEPT SHELLFISH-----	26,422	4,720	1,168			20,534		
0912 SHELLFISH, EXCEPT PREPARED-----	5,407	1,221	121			4,055		
0931 MARINE SHELLS, UNMANUFACTURED-----	140	7	133					
1011 IRON ORE AND CONCENTRATES-----	99	99						
1051 ALUMINUM ORES, CONCENTRATES-----	4,227	4,114	113					
1091 NONFERROUS ORES, CONCENT, NEC-----	1,887	234	1,653					
1121 COAL AND LIGNITE-----	540		540					
1412 BUILDING STONE, UNWORKED-----	22		22					
1442 SAND, GRAVEL, CRUSHED ROCK-----	294,709	148	330			291,456	2,275	
1451 CLAY-----	601	57	544					
1471 PHOSPHATE ROCK-----	35		35					
1479 NATURAL FERTILIZER MATS, NEC-----	2,247	2,247						
1491 SALT-----	5		5					
1494 GYPSUM, CRUDE AND PLASTERS-----	243	121	122					
1499 NONMETALLIC MINERALS, NEC-----	22,679	171	22,508					
1911 ORDINANCE AND ACCESSORIES-----	70	36	34					
2011 MEAT, FRESH, CHILLED, FROZEN-----	24,322	13,771	10,551					
2012 MEAT AND PRODUCTS, NEC-----	8,013	7,774	239					
2014 TALLOW, ANIMAL FATS AND OILS-----	16,978		16,978					
2015 ANIMAL BY-PRODUCTS, NEC-----	6,702	47	6,655					
2021 DAIRY PRODUCTS, NEC-----	410	86	324					
2022 DRIED MILK AND CREAM-----	14,796		14,796					
2031 FISH AND SHELLFISH, PREPARED-----	7,057	5,369	1,688					
2036 VEGETABLES AND PREP, NEC-----	23,364	14,369	8,995					
2039 PREP FRUIT AND VEG JUICE, NEC-----	36,245	15,155	21,090					
2041 WHEAT FLOUR AND SEMOLINA-----	1,494		1,494					
2042 ANIMAL FEEDS-----	107,776	37,159	70,619					
2049 GRAIN MILL PRODUCTS, NEC-----	9,837	6,686	3,151					
2061 SUGAR-----	8	8						
2062 MOLLASSES-----	1		1					
2081 ALCOHOLIC BEVERAGES-----	53,310	46,963	6,347					
2091 VEGETABLE OILS, WARD, SHORT-----	46,134	37,325	2,809					
2092 ANIMAL OILS AND FATS, NEC-----	14							
2095 ICE-----	1,941	1,941						
2099 MISCELLANEOUS FOOD PRODUCTS-----	41,270	20,470	20,800					
2111 TOBACCO MANUFACTURES-----	43	18	25					
2211 BASIC TEXTILE PRODUCTS-----	7,068	6,275	793					
2212 TEXTILE FIBERS, NEC-----	2,056		2,056					
2311 APPAREL-----	3,667	3,584	78					
2411 LOGS-----	15,802		15,802					
2413 FUEL WOOD, CHARCOAL, WASTES-----	218	166	52					
2416 WOOD CHIPS, STAVES, MOLDINGS-----	127		127					
2421 LUMBER-----	14,690	2,768	11,922					
2431 VENEER, PLYWOOD, WORKED WOOD-----	2,002	2,000	2					
2491 WOOD MANUFACTURES, NEC-----	22,028	6,245	15,783					
2511 FURNITURE AND FIXTURES-----	7,379	7,113	266					
2611 PULP-----	10,712		10,712					
2621 STANDARD NEWSPRINT PAPER-----	237,572	237,317	255					
2631 PAPER AND PAPERBOARD-----	31,565	13,088	18,477					
2691 PULP AND PAPER PRODUCTS, NEC-----	1,828	576	1,252					
2711 PRINTED MATTER-----	1,168	877	291					
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	488	421	67					
2812 DYES, PIGMENT, TANNING MATS-----	35		35					
2813 ALCOHOLS-----	2,616	2,366	250					
2817 BENZENE AND TOLUENE-----	7		7					
2819 BASIC CHEMICALS AND PROD, NEC-----	81,863	7,740	74,123					
2821 PLASTIC MATERIALS-----	30,614	3,675	26,939					
2822 SYNTHETIC RUBBER-----	10,075		10,075					
2823 SYNTHETIC (MAN-MADE) FIBERS-----	375	23	352					
2831 DRUGS-----	2,247	971	1,316					
2841 SOAP-----	2,315	301	2,014					
2851 PAINTS-----	3,124	2,346	778					
2861 GUM AND WOOD CHEMICALS-----	60		60					
2871 NITROGENOUS CHEM FERTILIZERS-----	5,310	5,310						
2872 POTASSIC CHEM FERTILIZERS-----	441		441					
2876 INSECTICIDES, DISINFECTANTS-----	2,054	1,103	951					
2879 FERTILIZER AND MATERIALS, NEC-----	435	118	317					
2891 MISCELLANEOUS CHEMICAL PROD-----	5,944	3,680	2,284					
2911 GASOLINE-----	82,370	64,219	13,305					
2912 JET FUEL-----	23,896		20,117		3,773			
2913 KEROSENE-----	22		22					
2914 DISTILLATE FUEL OIL-----	25,132		19,857			5,275		

SAN FRANCISCO, CA, DISTRICT

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SAN FRANCISCO HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2915 RESIDUAL FUEL OIL-----	545,004	133,579	318,582	-----	-----	90,478	2,365	-----
2916 LUBRICATING OILS AND GREASES-----	4,955	1	4,954	-----	-----	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	76	-----	76	-----	-----	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	1,990	-----	1,990	-----	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	3	1	2	-----	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	119	-----	119	-----	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	1,675	143	1,532	-----	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	19,533	16,936	2,597	-----	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	4,153	3,402	751	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	5,225	2,819	2,406	-----	-----	-----	-----	-----
3241 BUILDING CEMENT-----	157	-----	157	-----	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	4,950	3,575	1,375	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	4,688	4,687	1	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	16,081	8,518	5,288	-----	-----	-----	2,275	-----
3314 IRON AND STEEL PRIMARY FORMS-----	119	-----	119	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	20,619	20,466	153	-----	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	9,507	222	9,285	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	2,076	2,053	17	-----	-----	-----	-----	-----
3318 FERROALLOYS-----	338	338	-----	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	1,734	1,630	104	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	232	85	147	-----	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	749	281	468	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	45	43	2	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	8,624	8,036	588	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	35,928	32,351	3,577	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	37,922	29,273	8,649	-----	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	23,190	17,986	5,304	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	45,532	40,973	4,559	-----	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	153	14	139	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	693	515	178	-----	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	126	5	121	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	2,696	1,978	718	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	17,180	16,280	900	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	10,967	-----	10,967	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	39,365	174	39,191	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	818	-----	818	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	45,440	-----	45,440	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	314,100	-----	-----	-----	-----	-----	314,100	-----
4112 COMMODITIES, NEC-----	6,051	2,096	3,893	31	31	-----	-----	-----
4118 WATERWAY IMPROVEMENT MAT-----	4,200	-----	-----	-----	-----	4,200	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	49	-----	49	-----	-----	-----	-----	-----

REDWOOD CITY HARBOR, CALIF.

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: 30.7 FEET IN SAN BRUNO SHOAL CHANNEL; 27.2 FEET IN SAN FRANCISCO BAY TO BEACON NO. 8; 26.4 FEET TO BEACON NO. 15 AND BEGINNING OF (OUTER) TURNING BASIN NO. 1; 28.2 FEET IN TURNING BASIN NO. 1; 29.4 FEET TO (UPPER) TURNING BASIN NO. 2; 28.7 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

YEAR	TONS	YEAR	TONS
1978-----	474,131	1983-----	683,701
1979-----	775,379	1984-----	1,350,416
1980-----	951,242	1985-----	900,918
1981-----	827,459	1986-----	520,577
1982-----	553,361	1987-----	664,238

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
TOTAL-----	664,238	41,233	215,838	54,188	212,810	140,169
1311 CRUDE PETROLEUM-----	17,488	-----	-----	-----	17,488	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	129,430	15,830	-----	-----	-----	113,600
1491 SALT-----	208,569	-----	136,736	-----	71,833	-----
2421 LUMBER-----	57,547	-----	-----	54,188	3,359	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	2,804	-----	4	-----	2,800	-----
2851 PAINTS-----	11	-----	11	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	305	-----	-----	-----	-----	305
2991 PETROLEUM AND COAL PROD, NEC-----	26,264	-----	-----	-----	-----	26,264
3241 BUILDING CEMENT-----	25,403	25,403	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	79,087	-----	79,087	-----	-----	-----
4112 COMMODITIES, NEC-----	117,330	-----	-----	-----	117,330	-----
TOTAL TON-MILES,-----	1,214,876	-----	-----	-----	-----	-----

OAKLAND HARBOR, CALIF.

SECTION INCLUDED: OUTER AND INNER HARBOR FROM DEEP WATER IN SAN FRANCISCO BAY TO SAN LEANDRO BAY, A DISTANCE OF 8.5 MILES. CONTROLLING DEPTHS: 35.3 FEET IN THE ENTRANCE CHANNEL OF THE OUTER HARBOR TO BART TUBE; 34.5 TO ALBERS HILL; 34.5 TO SHED 5; 36.7 FEET IN THE ENTRANCE CHANNEL TO THE INNER HARBOR; 34.0 FEET IN INNER HARBOR TO FOOT OF FERRO STREET; 32.9 FEET TO POSEY TUBE; 34.4 FEET AT POSEY TUBE; 31.4 FEET TO FORTMANN BASIN; 24.0 FEET TO PARK STREET BRIDGE; 15.3 FEET IN TIDAL CANAL TO FRUITVALE AVENUE BRIDGE; 14.4 FEET IN TIDAL CANAL TO SAN LEANDRO BAY; 7 FEET IN NORTH CHANNEL OF BROOKLYN BASIN. PROJECT DEPTH: 35 FEET IN THE ENTRANCE CHANNEL TO THE OUTER HARBOR; 35 FEET IN THE OUTER HARBOR; 35 FEET IN THE ENTRANCE CHANNEL TO THE INNER HARBOR; 35 FEET IN THE INNER HARBOR TO THE PARK STREET BRIDGE; 25 FEET IN THE TIDAL CANAL TO SAN LEANDRO BAY; 35 FEET FOR A DISTANCE OF 1,300 FEET THENCE 25 FEET IN NORTH CHANNEL OF BROOKLYN BASIN (MAINTAINED 18 FEET).

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	ADDITIONAL TRAFFIC CAR FERRY-RAILROAD CARS			YEAR	TONS	ADDITIONAL TRAFFIC CAR FERRY-RAILROAD CARS		
		EMPTY	LOADED	TOTAL			EMPTY	LOADED	TOTAL
1978-----	6,937,246	5,051	5,732	10,783	1983-----	7,130,707	-----	-----	-----
1979-----	6,840,202	-----	-----	-----	1984-----	8,812,259	-----	-----	-----
1980-----	7,313,533	-----	-----	-----	1985-----	7,953,195	-----	-----	-----
1981-----	7,388,653	-----	-----	-----	1986-----	8,248,319	-----	-----	-----
1982-----	6,985,134	-----	-----	-----	1987-----	9,211,932	-----	-----	-----

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	9,211,932	2,985,590	3,375,073	425,239	814,399	1,460,538	151,093
0101 COTTON, RAW-----	221,111	335	217,914	2,662	-----	-----	-----
0102 BARLEY AND RYE-----	81	81	-----	-----	-----	-----	-----
0103 CORN-----	2,436	-----	2,436	-----	-----	-----	-----
0104 OATS-----	38	-----	38	-----	-----	-----	-----
0105 RICE-----	126,720	12,172	68,120	344	46,084	-----	-----
0106 SORGHUM GRAINS-----	744	-----	744	-----	-----	-----	-----
0107 WHEAT-----	333	-----	333	-----	-----	-----	-----
0111 SOYBEANS-----	84	20	64	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	2,947	551	2,395	1	-----	-----	-----
0121 TOBACCO, LEAF-----	853	97	756	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	13,919	7,213	6,706	-----	-----	-----	-----
0131 FRESH FRUITS-----	169,646	5	141,634	23,928	4,073	-----	-----
0132 BANANAS AND PLANTAINS-----	205	27	-----	-----	178	-----	-----
0133 COFFEE-----	38,532	32,938	1,860	899	2,835	-----	-----
0134 COCOA BEANS-----	5,894	6,894	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	134,438	4,344	83,437	1,721	84,936	-----	-----
0151 LIVE ANIMALS-----	987	-----	549	-----	438	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	12,155	3,908	7,062	-----	1,185	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	1,675	497	678	-----	-----	-----	-----
0801 CRUDE RUBBER AND ALLIED GUMS-----	3,340	3,222	118	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	4,695	2,099	1,177	1,372	47	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	19,439	8,646	9,039	1,710	44	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	6,602	2,583	3,340	65	614	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	238	170	68	-----	-----	-----	-----
1051 ALUMINUM DRES, CONCENTRATES-----	34,388	33,621	767	-----	-----	-----	-----
1091 NONFERROUS DRES, CONCENT, NEC-----	3,705	523	2,192	-----	990	-----	-----
1121 COAL AND LIGNITE-----	312	-----	294	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	105,888	105,888	-----	-----	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	472	-----	472	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	877,337	17,460	3,945	-----	-----	855,932	-----
1451 CLAY-----	12,357	94	12,242	-----	21	-----	-----
1471 PHOSPHATE ROCK-----	4,320	2,342	1,978	-----	-----	-----	-----
1491 SALT-----	7,091	3	1,738	-----	5,350	-----	-----
1492 SULPHUR, DRY-----	1,614	-----	1,614	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	5,930	-----	5,196	-----	734	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	66,492	2,697	63,795	-----	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	1,928	1,427	111	390	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	337,666	125,784	149,480	1,608	60,794	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	9,191	6,124	3,067	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	3,164	-----	3,164	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	120,565	24	120,500	41	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	16,028	4,046	448	71	11,461	-----	-----
2022 DRIED MILK AND CREAM-----	9,355	115	9,240	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	22,265	17,574	4,406	285	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	155,208	45,282	49,274	2,625	58,027	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	470,770	138,437	135,673	194,558	2,102	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	9,625	-----	586	-----	9,039	-----	-----
2042 ANIMAL FEEDS-----	241,184	1,843	214,306	4	25,031	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	34,089	15,257	18,761	24	42	-----	-----
2061 SUGAR-----	2,492	130	183	873	1,366	-----	-----
2062 MOLASSES-----	103,065	-----	250	49,556	-----	-----	53,259
2081 ALCOHOLIC BEVERAGES-----	218,402	128,442	38,310	1,150	50,500	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	44,266	15,982	22,236	76	5,972	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	69	36	33	-----	-----	-----	-----
2094 GROCERIES-----	74,732	-----	-----	162	74,570	-----	-----
2095 ICE-----	8,315	8,315	-----	-----	-----	-----	-----
2097 MISCELLANEOUS FOOD PRODUCTS-----	256,664	69,839	177,487	2,820	6,518	-----	-----
2111 TOBACCO MANUFACTURES-----	12,994	296	12,150	30	508	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	34,533	25,747	5,882	185	2,719	-----	-----
2212 TEXTILE FIBERS, NEC-----	9,107	985	8,117	5	-----	-----	-----
2311 APPAREL-----	59,037	50,980	434	7,623	-----	-----	-----
2411 LOGS-----	14,841	485	14,356	-----	-----	-----	-----
2413 FUEL OIL, LAMCUAL, WASTES-----	4,615	29	1,201	42	3,343	-----	-----
2414 TIMBER, POLES, PILING-----	2,553	-----	53	-----	-----	-----	2,500
2416 WOOD CHIPS, STAVES, MULDINGS-----	29,669	-----	29,669	-----	-----	-----	-----
2421 LUMBER-----	83,684	5,513	71,401	64	6,606	104	-----
2431 VEVEER, PLYWOOD, WORKED WOOD-----	22,597	20,024	1,940	-----	633	-----	-----
2491 WOOD MANUFACTURES, NEC-----	49,598	22,909	25,357	570	662	160	-----

SAN FRANCISCO, CA, DISTRICT

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OAKLAND HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
2511 FURNITURE AND FIXTURES-----	107,104	47,353	1,609	17,490	40,652	-----	-----
2611 PULP-----	35,879	62	35,817	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	52,630	46,037	6,593	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	112,437	38,646	62,270	-----	11,521	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	27,235	5,549	3,371	97	18,218	-----	-----
2711 PRINTED MATTER-----	19,378	12,792	3,004	431	3,146	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	1,405	1,103	302	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	511	-----	511	-----	-----	-----	-----
2813 ALCOHOLS-----	4,273	164	4,109	-----	-----	-----	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	292	-----	243	49	-----	-----	-----
2817 BENZENE AND TOLUENE-----	836	805	31	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	200,206	45,654	141,068	5,106	8,378	-----	-----
2821 PLASTIC MATERIALS-----	226,706	22,491	188,346	13,156	2,713	-----	-----
2922 SYNTHETIC RUBBER-----	18,708	56	18,649	1,963	-----	-----	-----
2923 SYNTHETIC (MAN-MADE) FIBERS-----	1,264	446	818	-----	-----	-----	-----
2931 DRUGS-----	7,453	2,109	4,835	-----	509	-----	-----
2941 SOAP-----	29,322	2,933	8,487	54	17,848	-----	-----
2951 PAINTS-----	30,573	14,790	8,139	556	7,038	-----	-----
2961 GUM AND WOOD CHEMICALS-----	1,280	277	457	16	-----	-----	-----
2971 NITROGENOUS CHEM FERTILIZERS-----	69,443	51,968	971	-----	18,554	-----	-----
2972 POTASSIC CHEM FERTILIZERS-----	5,261	4,960	26	-----	275	-----	-----
2973 PHOSPHATIC CHEM FERTILIZERS-----	62	62	-----	-----	-----	-----	-----
2976 INSECTICIDES, DISINFECTANTS-----	11,689	1,614	9,433	-----	642	-----	-----
2979 FERTILIZER AND MATERIALS, NEC-----	1,805	232	1,343	-----	30	-----	-----
2991 MISCELLANEOUS CHEMICAL PROD-----	47,844	17,673	28,263	433	1,455	-----	-----
2911 GASOLINE-----	8,281	2	1,469	-----	-----	6,810	-----
2912 JET FUEL-----	19,545	-----	-----	-----	-----	19,545	-----
2914 DISTILLATE FUEL OIL-----	1,494	-----	211	-----	-----	1,283	-----
2915 RESIDUAL FUEL OIL-----	575,037	12	-----	-----	-----	561,518	13,507
2916 LUBRICATING OILS AND GREASES-----	29,402	203	14,547	46	2,372	12,234	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	46,631	46,169	462	-----	-----	-----	-----
2918 ASPHALT, TAN, AND PITCHES-----	2,917	-----	2,705	-----	212	-----	-----
2920 COKE, PETROLEUM COKE-----	3,096	-----	3,096	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	459	2	457	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	1,887	-----	729	31	1,127	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	23,625	49	6,507	8	10,188	2,916	4,157
3011 RUBBER AND MISC PLASTIC PROD-----	78,760	63,726	10,664	1,225	3,145	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	32,157	27,196	4,675	-----	286	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	31,581	15,887	13,748	149	1,597	-----	-----
3241 BUILDING CEMENT-----	20,083	18,313	531	15	1,224	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	29,352	16,086	10,689	8	2,571	-----	-----
3271 LIME-----	60	-----	60	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	21,729	21,321	240	2	168	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	50,053	21,416	11,847	582	16,108	100	-----
3311 PIG IRON-----	83	1	52	-----	-----	-----	-----
3312 SLAG-----	2,105	-----	-----	-----	2,105	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	72	-----	12	60	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	518,052	517,744	307	1	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	25,052	3,135	19,137	18	2,762	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	110,527	100,646	3,263	257	6,361	-----	-----
3318 FERROALLOYS-----	2,309	2,299	10	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	6,474	4,820	1,500	76	278	-----	-----
3321 NONFERROUS METALS, NEC-----	10,539	1,482	9,057	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	6,643	3,432	3,201	10	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	17,919	17,279	598	42	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	15,052	13,190	1,821	41	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	181,159	143,842	13,268	1,616	22,433	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	290,399	224,048	54,851	4,123	7,307	-----	70
3611 ELECTRICAL MACH AND EQUIP-----	157,974	126,237	23,765	3,868	2,104	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	252,542	168,235	22,118	7,662	54,527	-----	-----
3721 AIRCRAFT AND PARTS-----	852	87	565	179	21	-----	-----
3731 SHIPS AND BOATS-----	4,779	3,306	852	170	451	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,612	525	928	1	158	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	17,125	12,173	4,928	24	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	129,178	93,997	6,499	7,680	21,002	-----	-----
4011 IRON AND STEEL SCRAP-----	301,476	1,681	297,909	1,888	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	115,798	30,943	84,551	304	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, WHEEP-----	3,911	2	3,909	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	424,464	-----	423,996	468	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	77,819	-----	-----	219	-----	77,600	-----
4112 COMMODITIES, NEC-----	191,126	11,753	26,587	53,709	99,077	-----	-----
4119 EMPTY CONTAINERS-----	5,716	-----	-----	4,904	612	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	1,355	-----	1,355	-----	-----	-----	-----

RICHMOND HARBOR, CALIF.

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: 46.5 FEET IN SOUTHAMPTON CHANNEL (CONNECTING CHANNEL FROM SAN FRANCISCO BAY TO RICHMOND LONG WHARF MANEUVERING AREA); 45.0 FEET IN MANEUVERING AREA TO RICHMOND LONG WHARF; 33.2 FEET FROM RICHMOND LONG WHARF MANEUVERING AREA TO TURNING BASIN POINT RICHMOND; 33.4 FEET IN PT. RICHMOND TURNING BASIN; 34.2 FEET TO POINT POTRERO; 34.2 FEET IN TURNING BASIN AT POINT POTRERO; POINT POTRERO (SOUTHERLY APEX ONLY) 29.9 FEET; 33.5 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 MJLATE 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 PT. 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

YEAR	TONS	ADDITIONAL TRAFFIC CAR FERRY-RAILROAD CARS			YEAR	TONS	ADDITIONAL TRAFFIC CAR FERRY-RAILROAD CARS		
		EMPTY	LOADED	TOTAL			EMPTY	LOADED	TOTAL
1978-----	18,986,001	3,316	3,567	6,883	1983-----	15,803,285	830	767	1,597
1979-----	18,978,302	3,648	4,246	7,894	1984-----	16,341,341	203	177	380
1980-----	18,559,965	23,134	24,327	47,461	1985-----	17,177,609	-----	-----	-----
1981-----	18,019,805	2,160	2,304	4,464	1986-----	18,832,511	-----	-----	-----
1982-----	15,394,697	1,403	1,490	2,893	1987-----	21,431,418	-----	-----	-----

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	21,431,418	1,813,905	2,991,705	9,552,250	2,214,060	1,219,397	3,399,863	240,238
0101 COTTON, RAW-----	40	-----	40	-----	-----	-----	-----	-----
0105 RICE-----	20	-----	20	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	660	-----	660	-----	-----	-----	-----	-----
0131 FRESH FRUITS-----	287	-----	287	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	177	-----	177	-----	-----	-----	-----	-----
0151 LIVE ANIMALS-----	142	-----	142	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	15	-----	15	-----	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	1,133	1,133	-----	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	1	1	-----	-----	-----	-----	-----	-----
1021 COPPER ORE AND CONCENTRATES-----	11,016	-----	11,016	-----	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	44,768	44,768	-----	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, EXCEPT, NEC-----	6,559	6,559	-----	-----	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	8,852,104	572,044	-----	7,943,978	59,920	698,162	-----	-----
1451 CLAY-----	6,429	3,142	3,287	-----	-----	-----	-----	-----
1491 SALT-----	45,214	28,990	16,224	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	199,152	199,152	-----	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	22	-----	22	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	853	279	574	-----	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	62	62	-----	-----	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	28,226	-----	28,226	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	641	-----	641	-----	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	8	8	-----	-----	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	5	-----	5	-----	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	149	80	69	-----	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	237	-----	237	-----	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	2,664	-----	2,664	-----	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	47	47	-----	-----	-----	-----	-----	-----
2062 MASSES-----	2,075	2,075	-----	-----	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	575	504	71	-----	-----	-----	-----	-----
2091 VEGETABLE OILS, MARK, SHORT-----	179,639	149,313	30,326	-----	-----	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	3,000	3,000	-----	-----	-----	-----	-----	-----
2095 ICE-----	195	195	-----	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	370	20	350	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	33	33	-----	-----	-----	-----	-----	-----
2311 APPAREL-----	30	30	-----	-----	-----	-----	-----	-----
2411 LOGS-----	6,337	-----	6,337	-----	-----	-----	-----	-----
2421 LUMBER-----	428	-----	428	-----	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	42	42	-----	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	163	163	-----	-----	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	51	13	38	-----	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	2,229	2,229	-----	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	2,196	4	2,192	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	1	1	-----	-----	-----	-----	-----	-----
2711 PRINTED MATTER-----	11	11	-----	-----	-----	-----	-----	-----
2810 SODIUM HYDROXIDE-----	67,319	-----	67,319	-----	-----	-----	-----	-----
2811 CRUDE TAN, OIL, GAS PRODUCTS-----	6,799	1,191	2	5,606	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	1	-----	1	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	33,526	13,333	2,477	17,716	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	36,755	18,143	2,653	15,959	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	119,681	41,140	24,899	30,538	23,096	-----	-----	-----
2821 PLASTIC MATERIALS-----	790	106	684	-----	-----	-----	-----	-----
2831 DRUGS-----	149	-----	149	-----	-----	-----	-----	-----
2841 SOAP-----	4	-----	4	-----	-----	-----	-----	-----
2851 PAINTS-----	138	138	-----	-----	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	2,900	-----	2,900	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	58,947	634	50,761	7,552	-----	-----	-----	-----
2911 GASOLINE-----	809,457	20,405	158,295	170,422	342,316	1,443	55,071	14,505
2912 JET FUEL-----	476,384	37,855	32,394	140,704	185,883	41,224	38,324	-----
2914 DISTILLATE FUEL OIL-----	679,856	-----	68,993	253,845	290,787	37,440	7,656	1,135
2915 RESIDUAL FUEL OIL-----	4,861,837	4,825	2,054,917	1,293,166	349,980	390,717	593,130	174,302
2916 LUBRICATING OILS AND GREASES-----	460,999	13,220	29,513	-----	291,555	48,341	26,000	52,370
2917 NAPHTHA, PETROLEUM SOLVENTS-----	20,947	8,745	-----	11,792	410	-----	-----	-----
2918 ASPHALT, TAN, AND PITCHES-----	464,256	159,066	-----	-----	305,190	-----	-----	-----

RICHMOND HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2920 COKE, PETROLEUM COKE-----	59,400	5,684	53,716					
2921 LIQUEFIED GASES-----	3		3					
2991 PETROLEUM AND COAL PROD, NEC-----	346,867			14,237	311,412	3,970	11,342	5,926
5011 RUBBER AND MISC PLASTIC PROD-----	137	124	8					
5111 LEATHER AND LEATHER PRODUCTS-----	1	1						
3211 GLASS AND GLASS PRODUCTS-----	9	8	1					
3241 BUILDING CEMENT-----	221,634	221,634						
3251 STRUCTURAL CLAY PRODUCTS-----	8	8						
3261 CUT STONE AND STONE PRODUCTS-----	88	86						
3291 MISC NONMETALLIC MINERAL PROD-----	31,355	31,204	51			100		
3311 PIG IRON-----	22,486	20,824	1,662					
3315 IRON, STEEL SHAPES, EXC SHEET-----		76,928						
3317 IRON AND STEEL PIPE AND TUBE-----	3,593	3,593						
3318 FERROALLOYS-----	5,055		5,055					
3319 IRON AND STEEL PRODUCTS, NEC-----	127	127						
3323 LEAD AND ZINC, UNWORKED-----	827	827						
3411 FABRICATED METAL PRODUCTS-----	3,351	3,328	23					
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,314	2,245	42	27				
3611 ELECTRICAL MACH AND EQUIP-----	280	244	36					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	109,928	109,375	553					
3731 SHIPS AND BOATS-----	6	6						
3791 MISC TRANSPORTATION EQUIPMENT-----	7		7					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	45	11	34					
3911 MISC MANUFACTURED PRODUCTS-----	42	39	3					
4011 IRON AND STEEL SCRAP-----	379,319		379,319					
4012 NONFERROUS METAL SCRAP-----	574		574					
4024 PAPER WASTE AND SCRAP-----	808		808					
4029 WASTE AND SCRAP, NEC-----	2,668,340						2,668,340	
4112 COMMODITIES, NEC-----	112	95	17					
9999 DEPARTMENT OF DEFENSE AND SCI-----	3		3					

SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.

SECTION INCLUDED: ALL OF SAN PABLO BAY AND MARE ISLAND STRAIT. CONTROLLING DEPTH: PINOLE SHOAL CHANNEL 37.1 FEET FROM S. P. BUOY AT BEGINNING OF CHANNEL TO BUOY 9; 34.5 FEET TO BUOY 11; 35.0 FEET TO END OF CHANNEL; MARE ISLAND STRAIT (THE MAINTAINED WESTERLY 55% OF PROJECT WIDTH) 36.5 FEET TO THE NAVY AMMUNITION PIER; 36.5 FEET TO FINGER PIER NO. 21; 34.0 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

YEAR	TONS	YEAR	TONS
1978-----	29,097,918	1983-----	29,103,850
1979-----	28,119,814	1984-----	28,783,513
1980-----	30,961,039	1985-----	28,286,726
1981-----	31,582,250	1986-----	29,745,112
1982-----	31,177,922	1987-----	34,744,637

FREIGHT TRAFFIC, 1987

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	IMPORTS	EXPORTS	THROUGH	
				UPBOUND	DOWNBOUND
TOTAL-----	7,924,207	93,644	419,935	2,323,910	5,086,718
0101 COTTON, RAW-----	534	-----	-----	-----	534
0105 RICE-----	319,915	-----	-----	-----	319,915
0107 MEAT-----	426,277	-----	-----	-----	426,277
0119 OILSEEDS, NEC-----	24,094	-----	-----	-----	24,094
0129 FIELD CROPS, NEC-----	1,361	-----	-----	-----	1,361
0131 FRESH FRUITS-----	74	-----	-----	-----	74
0141 FRESH AND FROZEN VEGETABLES-----	153	-----	-----	21	132
0161 ANIMALS AND PRODUCTS, NEC-----	7	-----	-----	7	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	43	-----	-----	43	-----
0912 SHELLFISH, EXCEPT PREPARED-----	2	-----	-----	-----	2
1091 NONFERROUS ORES, CONCENT, NEC-----	41	-----	-----	-----	41
1311 CRUDE PETROLEUM-----	64,519	34,613	-----	29,906	-----
1411 LIMESTONE-----	7,334	-----	-----	7,334	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	24	-----	-----	24	-----
1451 CLAY-----	18,873	-----	-----	-----	18,873
1492 SULPHUR, DRY-----	553,548	-----	-----	-----	553,548
1494 GYPSUM, CRUDE AND PLASTERS-----	533,822	-----	-----	533,822	-----
1499 NONMETALLIC MINERALS, NEC-----	332	-----	-----	14	318
1911 ORDNANCE AND ACCESSORIES-----	96	-----	-----	-----	96
2011 MEAT, FRESH, CHILLED, FROZEN-----	221	-----	-----	-----	221
2012 MEAT AND PRODUCTS, NEC-----	8	-----	-----	-----	8
2014 TALLOW, ANIMAL FATS AND OILS-----	551	-----	-----	-----	551
2015 ANIMAL BY-PRODUCTS, NEC-----	19	-----	-----	-----	19
2021 DAIRY PRODUCTS, NEC-----	1	-----	-----	-----	1
2022 DRIED MILK AND CREAM-----	289	-----	-----	-----	289
2031 FISH AND SHELLFISH, PREPARED-----	32	23	-----	-----	9
2034 VEGETABLES AND PREP, NEC-----	310	-----	-----	-----	310
2039 PREP FRUIT AND VEG JUICE, NEC-----	409	-----	-----	-----	409
2041 WHEAT FLOUR AND SEMOLINA-----	12	-----	-----	-----	12

SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	IMPORTS	EXPORTS	THROUGH	
				UPBOUND	DOWNBOUND
2042 ANIMAL FEEDS-----	35,249				35,249
2049 GRAIN MILL PRODUCTS, NEC-----	289				289
2061 SUGAR-----	7				7
2081 ALCOHOLIC BEVERAGES-----	598			172	426
2091 VEGETABLE OILS, MARG, SHORT-----	2,910			576	2,334
2099 MISCELLANEOUS FOOD PRODUCTS-----	10,928			111	10,817
2111 TOBACCO MANUFACTURES-----	3			2	1
2211 BASIC TEXTILE PRODUCTS-----	47			42	5
2311 APPAREL-----	36	27		9	
2411 LOGS-----	44,664				44,664
2416 WOOD CHIPS, STAVES, MOLDINGS-----	158,449				158,449
2421 LUMBER-----	366				366
2431 VENEER, PLYWOOD, WORKED WOOD-----	50				50
2491 WOOD MANUFACTURES, NEC-----	57			28	29
2511 FURNITURE AND FIXTURES-----	112			112	
2611 PULP-----	2,661				2,661
2621 STANDARD NEWSPRINT PAPER-----	7,616			7,616	
2631 PAPER AND PAPERBOARD-----	8,713			557	8,156
2691 PULP AND PAPER PRODUCTS, NEC-----	7				7
2711 PRINTED MATTER-----	73			10	63
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	763			763	
2812 DYES, PIGMENT, TANNING MATS-----	2				2
2813 ALCOHOLS-----	6,658			6,658	
2817 BENZENE AND TOLUENE-----	12,702			12,702	
2819 BASIC CHEMICALS AND PROD, NEC-----	340,690	18,163	54	258,262	64,191
2821 PLASTIC MATERIALS-----	45				45
2822 SYNTHETIC RUBBER-----	156				156
2831 DRUGS-----	72				72
2841 SOAP-----	4			3	1
2851 PAINTS-----	13				13
2871 NITROGENOUS CHEM FERTILIZERS-----	132,672			132,672	
2876 INSECTICIDES, DISINFECTANTS-----	47				47
2879 FERTILIZER AND MATERIALS, NEC-----	4,636			4,629	7
2891 MISCELLANEOUS CHEMICAL PROD-----	13,508			5,425	8,083
2911 GASOLINE-----	982,898		55,536	792,454	134,908
2914 DISTILLATE FUEL OIL-----	238,230		98,986		139,244
2915 RESIDUAL FUEL OIL-----	2,245,405		255,414	140,680	1,849,311
2916 LUBRICATING OILS AND GREASES-----	162,611		9,945		152,666
2917 NAPHTHA, PETROLEUM SOLVENTS-----	73,532	40,794		32,738	
2918 ASPHALT, TAN, AND PITCHES-----	33,235				33,235
2920 COKE, PETROLEUM COKE-----	1,064,591			22,046	1,042,545
2951 ASPHALT BUILDING MATERIALS-----	38				38
2991 PETROLEUM AND COAL PROD, NEC-----	20				20
3011 RUBBER AND MISC PLASTIC PROD-----	382	11		69	302
3111 LEATHER AND LEATHER PRODUCTS-----	14	10			
3211 GLASS AND GLASS PRODUCTS-----	32			20	12
3241 BUILDING CEMENT-----	121,262			121,242	20
3251 STRUCTURAL CLAY PRODUCTS-----	474				474
3281 CUT STONE AND STONE PRODUCTS-----	9			9	
3291 MISC NONMETALLIC MINERAL PROD-----	20				20
3315 IRON, STEEL SHAPES, EXC SHEET-----	6				6
3319 IRON AND STEEL PRODUCTS, NEC-----	22			22	
3411 FABRICATED METAL PRODUCTS-----	808			789	19
3511 MACHINERY, EXCEPT ELECTRICAL-----	358			339	19
3611 ELECTRICAL MACH AND EQUIP-----	245			211	34
3711 MOTOR VEHICLES, PARTS, EQUIP-----	213,288			211,618	1,650
3791 MISC TRANSPORTATION EQUIPMENT-----	17				17
3811 INSTR, TIME, PHOTO, OPT GOODS-----	122	3		12	107
3911 MISC MANUFACTURED PRODUCTS-----	63			59	4
4011 IRON AND STEEL SCRAP-----	45,489				45,489
4012 NONFERROUS METAL SCRAP-----	101				101
4022 TEXTILE WASTE, SCRAP, WEEPS-----	43				43
4024 PAPER WASTE AND SCRAP-----	1,668				1,668
4112 COMMODITIES, NEC-----	140			58	82
9999 DEPARTMENT OF DEFENSE AND SCI-----	1,380				1,380
TON-MILES, FOREIGN,	94,063,326				

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	26,820,430	2,293,738	1,701,731	10,469,284	4,100,978	1,549,194	1,051,993	2,651,043	2,482,469
1311 CRUDE PETROLEUM-----	14,381,965	2,114,108		7,577,230	1,576,089	1,069,941	34,834	2,003,816	5,940
1402 SAND, GRAVEL, CRUSHED ROCK-----	433,290					51,800	2,000	27,440	351,600
1491 SALT-----	39,600							39,600	
2061 SUGAR-----	597,840			597,840					
2062 MULASSES-----	53,259							53,259	
2414 TIMBER, POSTS, POLES, PILING-----	3,500							3,500	
2421 LUMBER-----	6,271			8,171					100
2491 WOOD MANUFACTURES, NEC-----	100								100
2810 SODIUM HYDROXIDE-----	29,085			24,155	4,930				
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	629								
2819 BASIC CHEMICALS AND PROD, NEC-----	276,007			163,394	112,613				
2861 GUM AND WOOD CHEMICALS-----	4,866								
2871 NITROGENOUS CHEM FERTILIZERS-----	186,995			186,995					
2911 GASOLINE-----	2,079,241	38,747	579,131	262,721	1,108,418	7,072	10,250	43,769	28,633

SAN FRANCISCO, CA, DISTRICT

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SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	THROUGH		THROUGH		UPBOUND	DOWNBOUND
2912 JET FUEL-----	497,465	-----	113,875	36,310	202,310	1,257	13,674	-----	130,039
2914 DISTILLATE FUEL OIL-----	1,615,809	128,554	743,586	285,361	135,517	-----	275,250	29,823	17,716
2915 RESIDUAL FUEL OIL-----	3,595,729	-----	165,488	1,194,225	647,885	111,148	416,014	211,282	849,687
2916 LUBRICATING OILS AND GREASES-----	306,729	-----	89,476	1,543	156,931	5,176	45,606	7,590	1,407
2917 NAPHTHA, PETROLEUM SOLVENTS-----	82,086	5,452	6,208	64,140	6,286	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	285,658	6,248	43,967	62,333	134,603	-----	-----	11,342	27,145
3291 MISC NONMETALLIC MINERAL PROD-----	2,800	-----	-----	-----	-----	-----	-----	1,106	1,760
3317 IRON AND STEEL PIPE AND TUBE-----	5,060	-----	-----	-----	-----	-----	-----	-----	5,060
3411 FABRICATED METAL PRODUCTS-----	1,506	-----	-----	-----	-----	-----	-----	-----	1,500
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,950	-----	-----	-----	-----	1,500	-----	70	380
4029 WASTE AND SCRAP, NEC-----	2,125,160	-----	-----	-----	-----	300,300	234,360	30,000	1,560,520
4112 COMMODITIES, NEC-----	14,896	-----	-----	-----	14,896	-----	-----	-----	-----
4118 WATERWAY IMPROVEMENT MAT-----	189,000	-----	-----	-----	-----	-----	-----	188,000	1,000
TON-MILES, DOMESTIC-----	289,247,101	-----	-----	-----	-----	-----	-----	-----	-----

TONS, ALL TRAFFIC, 34,744,637.
TON-MILES, ALL TRAFFIC, 383,310,427.

CARQUINEZ STRAIT, CALIF.

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

YEAR	TONS	YEAR	TONS
1978-----	21,825,012	1983-----	23,049,417
1979-----	22,273,172	1984-----	22,840,317
1980-----	25,341,942	1985-----	21,522,175
1981-----	26,341,975	1986-----	23,875,452
1982-----	25,805,889	1987-----	27,345,013

FREIGHT TRAFFIC, 1987

OCEANGUING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL-----	21,980,890	1,214,927	2,287,593	1,108,983	2,799,125	8,153,456	2,788,556	2,310,823	1,317,827
0101 COTTON, RAW-----	534	-----	670	-----	64	-----	-----	-----	-----
0105 RICE-----	319,915	-----	-----	-----	519,915	-----	-----	-----	-----
0107 MEAT-----	426,277	-----	-----	-----	426,277	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	24,094	-----	-----	-----	24,094	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	1,561	-----	2	-----	1,559	-----	-----	-----	-----
0131 FRESH FRUITS-----	74	-----	-----	-----	74	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	153	-----	19	21	113	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	7	-----	-----	7	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	43	43	-----	-----	-----	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	2	-----	-----	-----	2	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	41	-----	41	-----	-----	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	9,183,225	29,906	-----	-----	-----	5,767,331	1,242,202	1,809,899	333,887
1411 LIMESTONE-----	7,334	-----	-----	7,334	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	24	-----	-----	24	-----	-----	-----	-----	-----
1451 CLAY-----	18,873	-----	2,753	-----	16,120	-----	-----	-----	-----
1492 SULPHUR, DRY-----	553,546	-----	-----	-----	553,546	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	533,822	-----	-----	533,822	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	332	-----	-----	14	318	-----	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	96	-----	-----	-----	96	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	221	-----	21	-----	200	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	8	-----	-----	-----	8	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	551	-----	-----	-----	551	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	19	-----	19	-----	-----	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	1	-----	-----	-----	1	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	269	-----	-----	-----	269	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	4	-----	-----	-----	4	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	310	-----	86	-----	224	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	409	-----	159	-----	250	-----	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	12	-----	-----	-----	12	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	35,249	-----	1,269	-----	33,980	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	289	-----	12	-----	277	-----	-----	-----	-----
2061 SUGAR-----	597,847	-----	-----	-----	7	597,840	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	598	-----	25	172	401	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	2,910	576	1,204	-----	1,090	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	10,928	111	88	-----	10,729	-----	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	3	2	-----	-----	1	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	47	4	-----	38	5	-----	-----	-----	-----
2311 APPAREL-----	9	2	-----	7	-----	-----	-----	-----	-----
2411 LUGS-----	44,664	-----	8,405	-----	36,259	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	158,449	-----	-----	-----	158,449	-----	-----	-----	-----
2421 LUMBER-----	8,537	-----	14	-----	352	-----	-----	8,171	-----

CARQUINEZ STRAIT, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
2431 VENEER, PLYWOOD, WORKED WOOD----	50	-----	-----	-----	50	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	57	-----	7	28	22	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	112	50	-----	62	-----	-----	-----	-----	-----
2611 PULP-----	2,661	-----	2,661	-----	-----	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	7,616	-----	-----	7,616	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	6,713	-----	258	557	7,898	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	7	-----	5	-----	2	-----	-----	-----	-----
2711 PRINTED MATTER-----	73	-----	-----	10	63	-----	-----	-----	-----
2810 SODIUM HYDROXIDE-----	29,085	-----	-----	-----	-----	-----	-----	24,155	4,930
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	763	-----	-----	763	-----	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	2	-----	-----	-----	2	-----	-----	-----	-----
2813 ALCOHOLS-----	6,658	-----	-----	6,658	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	12,702	7,740	-----	4,962	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	598,480	46,339	55,795	211,943	6,396	6,360	53,082	157,034	59,531
2821 PLASTIC MATERIALS-----	45	-----	-----	-----	45	-----	-----	-----	-----
2822 SYNTHETIC RUBBER-----	156	-----	156	-----	-----	-----	-----	-----	-----
2831 DRUGS-----	72	-----	67	-----	5	-----	-----	-----	-----
2841 SOAP-----	4	3	-----	-----	1	-----	-----	-----	-----
2851 PAINTS-----	13	-----	1	-----	12	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	4,866	-----	-----	-----	-----	-----	-----	4,866	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	319,667	-----	-----	132,672	-----	-----	-----	186,995	-----
2876 INSECTICIDES, DISINFECTANTS-----	47	-----	47	-----	-----	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	4,636	-----	-----	4,629	7	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	13,508	4,324	7,117	1,101	966	-----	-----	-----	-----
2911 GASOLINE-----	2,299,001	792,454	134,908	-----	-----	259,381	317,766	3,340	791,152
2912 JET FUEL-----	238,620	-----	-----	-----	-----	36,310	202,310	-----	-----
2914 DISTILLATE FUEL OIL-----	560,122	-----	139,244	-----	-----	280,356	112,681	-----	27,841
2915 RESIDUAL FUEL OIL-----	3,832,101	88,777	1,453,083	51,903	396,228	1,085,725	610,643	108,500	37,242
2916 LUBRICATING OILS AND GREASES-----	311,140	-----	82,618	-----	70,048	1,543	156,931	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	103,164	32,738	-----	-----	-----	64,140	6,266	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	33,235	-----	33,213	-----	22	-----	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	1,064,591	-----	359,795	22,046	682,750	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	38	-----	-----	-----	38	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	196,956	-----	-----	-----	20	54,470	86,655	7,863	47,948
3011 RUBBER AND MISC PLASTIC PROD-----	371	17	15	52	287	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	4	-----	-----	4	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	32	20	-----	-----	12	-----	-----	-----	-----
3241 BUILDING CEMENT-----	121,262	-----	-----	121,242	20	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	474	-----	-----	-----	474	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	9	-----	-----	9	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	20	-----	18	-----	2	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	6	-----	-----	-----	6	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	22	-----	-----	22	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	806	63	-----	726	19	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	356	90	2	249	17	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	245	37	11	174	23	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	213,268	211,618	1,622	-----	28	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	17	-----	14	-----	3	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	119	11	105	1	2	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	63	2	-----	57	4	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	45,489	-----	-----	-----	45,489	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	101	-----	101	-----	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	43	-----	-----	-----	43	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	1,688	-----	1,688	-----	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	15,036	-----	9	58	73	-----	-----	-----	14,896
9999 DEPARTMENT OF DEFENSE AND SCI-----	1,380	-----	406	-----	974	-----	-----	-----	-----
TON-MILES, OCEANGOING,-----	150,704,830.	-----	-----	-----	-----	-----	-----	-----	-----

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
TOTAL-----	5,364,123	2,487,684	1,330,297	143,590	30,754	679,673	692,125
1311 CRUDE PETROLEUM-----	2,061,849	1,969,104	5,940	-----	-----	86,805	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	419,140	-----	-----	-----	-----	15,740	403,400
1491 SALT-----	39,600	-----	-----	-----	-----	37,600	-----
2062 MOLASSES-----	53,259	-----	-----	-----	-----	53,259	-----
2414 TIMBER, POSTS, POLES, PILING-----	3,500	-----	-----	-----	-----	3,500	-----
2911 GASOLINE-----	92,435	6,599	20,667	6,388	-----	43,743	15,038
2912 JET FUEL-----	139,962	-----	130,039	-----	9,923	-----	-----
2914 DISTILLATE FUEL OIL-----	382,343	259,790	60,578	44,025	-----	10,858	7,092
2915 RESIDUAL FUEL OIL-----	1,457,471	240,849	791,978	93,177	20,831	199,478	111,150
2916 LUBRICATING OILS AND GREASES-----	8,997	-----	-----	-----	-----	7,590	1,407
2991 PETROLEUM AND COAL PROD, NEC-----	38,487	11,342	23,175	-----	-----	-----	3,970
3291 MISC NONMETALLIC MINERAL PROD-----	2,700	-----	-----	-----	-----	1,100	1,600
3317 IRON AND STEEL PIPE AND TUBE-----	5,000	-----	-----	-----	-----	-----	5,000
3411 FABRICATED METAL PRODUCTS-----	1,500	-----	-----	-----	-----	-----	1,500
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,880	-----	-----	-----	-----	-----	1,880
4029 WASTE AND SCRAP, NEC-----	468,000	-----	297,920	-----	-----	30,000	140,080
4118 WATERWAY IMPROVEMENT MAT-----	188,000	-----	-----	-----	-----	188,000	-----
TON-MILES, INTERNAL,-----	35,732,915.	-----	-----	-----	-----	-----	-----

TONS, ALL TRAFFIC, 27,345,013.
 TON-MILES, ALL TRAFFIC, 186,437,745.

SUISUN BAY CHANNEL, CALIF.

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: 34.6 FEET FROM SUISUN POINT TO AVON MARF; 34.7 FEET TO PRESTON POINT; 34.4 FEET TO MIDDLE POINT; 37.1 FEET THROUGH EAST REACH MIDDLEGROUND ISLAND TO MOUTH OF NEW YORK SLOUGH. PROJECT DEPTH: 35 FEET FROM BENICIA-MARTINEZ BRIDGE TO AVON PIER, 30 FEET FOR REMAINDER OF CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	5,787,360	1983-----	7,144,648
1979-----	6,121,200	1984-----	6,090,172
1980-----	8,092,843	1985-----	6,547,087
1981-----	8,081,497	1986-----	5,405,496
1982-----	7,037,643	1987-----	4,038,239

FREIGHT TRAFFIC, 1987

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	EXPORTS	THROUGH	
			UPBOUND	DOWNBOUND
TOTAL-----	3,908,108	241,369	1,108,983	2,557,736
0101 COTTON, RAW-----	64			64
0105 RICE-----	319,915			319,915
0107 WHEAT-----	426,277			426,277
0119 OILSEEDS, NEC-----	24,094			24,094
0129 FIELD CROPS, NEC-----	1,359			1,359
0131 FRESH FRUITS-----	74			74
0141 FRESH AND FROZEN VEGETABLES-----	134		21	113
0161 ANIMALS AND PRODUCTS, NEC-----	7		7	
0912 SMELTFISH, EXCEPT PREPARED-----	2			2
1411 LIMESTONE-----	7,334		7,334	
1442 SAND, GRAVEL, CRUSHED ROCK-----	24		24	
1451 CLAY-----	16,120			16,120
1492 SULPHUR, DRY-----	553,548			553,548
1494 GYPSUM, CRUDE AND PLASTERS-----	533,822		533,822	
1499 NONMETALLIC MINERALS, NEC-----	332		14	318
1911 ORDNANCE AND ACCESSORIES-----	96	87		9
2011 MEAT, FRESH, CHILLED, FROZEN-----	200			200
2012 MEAT AND PRODUCTS, NEC-----	8			8
2014 TALLOW, ANIMAL FATS AND OILS-----	551			551
2021 DAIRY PRODUCTS, NEC-----	1			1
2042 DRIED MILK AND CREAM-----	289			289
2031 FISH AND SMELTFISH, PREPARED-----	9			9
2034 VEGETABLES AND PREP, NEC-----	224			224
2039 PREP FRUIT AND VEG JUICE, NEC-----	250			250
2041 WHEAT FLOUR AND SEMOLINA-----	12			12
2042 ANIMAL FEEDS-----	33,980			33,980
2049 GRAIN MILL PRODUCTS, NEC-----	277			277
2061 SUGAR-----	7			7
2081 ALCOHOLIC BEVERAGES-----	573		172	401
2091 VEGETABLE OILS, MARG, SHORT-----	1,090			1,090
2099 MISCELLANEOUS FOOD PRODUCTS-----	10,729			10,729
2111 TOBACCO MANUFACTURES-----	1			1
2211 BASIC TEXTILE PRODUCTS-----	43		38	5
2311 APPAREL-----	7		7	
2411 LOGS-----	36,259			36,259
2416 WOOD CHIPS, STAVES, HOLDINGS-----	158,449			158,449
2421 LUMBER-----	352			352
2431 VEVEER, PLYWOOD, WORKED WOOD-----	50			50
2491 WOOD MANUFACTURES, NEC-----	50		28	22
2511 FURNITURE AND FIXTURES-----	62		62	
2621 STANDARD NEWSPRINT PAPER-----	7,616		7,616	
2631 PAPER AND PAPERBOARD-----	8,455		557	7,898
2691 PULP AND PAPER PRODUCTS, NEC-----	2			2
2711 PRINTED MATTER-----	73		10	63
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	763		763	
2812 DYES, PIGMENT, TANNING MATS-----	2			2
2813 ALCOHOLS-----	6,658		6,658	
2817 BENZENE AND TOLUENE-----	4,962		4,962	
2819 BASIC CHEMICALS AND PROD, NEC-----	220,339		211,943	8,396
2821 PLASTIC MATERIALS-----	45			45
2831 DRUGS-----	5			5
2841 SOAP-----	1			1
2851 PAINTS-----	12			12
2871 NITROGENOUS CHEM FERTILIZERS-----	132,672		132,672	
2879 FERTILIZER AND MATERIALS, NEC-----	4,636		4,629	7
2891 MISCELLANEOUS CHEMICAL PROD-----	2,067		1,101	958
2915 RESIDUAL FUEL OIL-----	448,131	194,979	51,903	201,249
2916 LUBRICATING OILS AND GREASES-----	70,048	45,498		24,550
2918 ASPHALT, TAR, AND PITCHES-----	22			22
2920 COKE, PETROLEUM COKE-----	704,796		22,046	682,750
2951 ASPHALT BUILDING MATERIALS-----	38			38
2991 PETROLEUM AND COAL PROD, NEC-----	20			20
3011 RUBBER AND MISC PLASTIC PROD-----	339		52	287
3111 LEATHER AND LEATHER PRODUCTS-----	4		4	
3211 GLASS AND GLASS PRODUCTS-----	12			12
3241 BUILDING CEMENT-----	121,262		121,242	20
3251 STRUCTURAL CLAY PRODUCTS-----	474			474
3261 CUT STONE AND STONE PRODUCTS-----	9		9	
3291 MISC NONMETALLIC MINERAL PROD-----	2			2
3315 IRON, STEEL SHAPES, EXC SHEET-----	6			6
3319 IRON AND STEEL PRODUCTS, NEC-----	22		22	
3411 FABRICATED METAL PRODUCTS-----	745		726	19
3511 MACHINERY, EXCEPT ELECTRICAL-----	266		249	17
3611 ELECTRICAL MACH AND EQUIP-----	197		174	23

SUISUN BAY CHANNEL, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	EXPORTS	THROUGH	
			UPBOUND	DOWNBOUND
3711 MOTOR VEHICLES, PARTS, EQUIP-----	28	-----	-----	28
3791 MISC TRANSPORTATION EQUIPMENT-----	3	-----	-----	3
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3	-----	-----	2
3911 MISC MANUFACTURED PRODUCTS-----	61	-----	57	4
4011 IRON AND STEEL SCRAP-----	45,489	-----	-----	45,489
4022 TEXTILE WASTE, SCRAP, SWEEP-----	43	-----	-----	43
4112 COMMODITIES, NEC-----	131	-----	58	73
9999 DEPARTMENT OF DEFENSE AND SCI-----	974	817	-----	157
TON-MILES, FOREIGN,	48,150,125.			

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	5,130,131	1,829,570	1,222,235	481,253	95,192	308,594	416,919	466,841	309,527
1311 CRUDE PETROLEUM-----	2,247,843	1,809,899	335,887	-----	-----	86,805	17,252	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	419,140	-----	-----	-----	-----	-----	240,000	15,740	163,400
1491 SALT-----	39,600	-----	-----	-----	-----	-----	-----	39,600	-----
2062 MOLASSES-----	53,259	-----	-----	-----	-----	-----	-----	53,259	-----
2414 TIMBER, POSTS, POLES, PILING-----	3,500	-----	-----	-----	-----	-----	-----	3,500	-----
2421 LUMBER-----	6,171	8,171	-----	-----	-----	-----	-----	-----	-----
2610 SODIUM HYDROXIDE-----	29,085	-----	-----	24,155	4,930	-----	-----	-----	-----
2619 BASIC CHEMICALS AND PROD, NEC-----	216,565	-----	-----	157,034	59,531	-----	-----	-----	-----
2661 GUM AND WOOD CHEMICALS-----	4,866	-----	-----	4,866	-----	-----	-----	-----	-----
2671 NITROGENOUS CHEM FERTILIZERS-----	186,995	-----	-----	186,995	-----	-----	-----	-----	-----
2911 GASOLINE-----	853,273	-----	791,152	3,340	-----	43,743	15,038	-----	-----
2914 DISTILLATE FUEL OIL-----	95,743	-----	27,841	-----	-----	60,810	7,092	-----	-----
2915 RESIDUAL FUEL OIL-----	513,257	11,500	37,242	97,000	-----	106,646	90,160	135,642	35,067
2916 LUBRICATING OILS AND GREASES-----	8,997	-----	-----	-----	-----	7,590	1,407	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	59,781	-----	32,113	7,863	15,835	-----	3,970	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	2,700	-----	-----	-----	-----	-----	-----	1,100	1,600
3317 IRON AND STEEL PIPE AND TUBE-----	7,000	-----	-----	-----	-----	2,000	-----	-----	5,000
3411 FABRICATED METAL PRODUCTS-----	1,500	-----	-----	-----	-----	-----	-----	-----	1,500
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,380	-----	-----	-----	-----	500	-----	-----	1,880
3711 MOTOR VEHICLES, PARTS, EQUIP-----	500	-----	-----	-----	-----	500	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	170,080	-----	-----	-----	-----	-----	39,000	30,000	101,080
4112 COMMODITIES, NEC-----	14,896	-----	-----	-----	14,896	-----	-----	-----	-----
4118 WATERWAY IMPROVEMENT MAT-----	191,000	-----	-----	-----	-----	-----	3,000	188,000	-----
TON-MILES, DOMESTIC,	26,513,763.								
TONS, ALL TRAFFIC,	9,038,239.								
TON-MILES, ALL TRAFFIC,	74,663,888.								

PETALUMA RIVER, CALIF.

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

YEAR	TONS	YEAR	TONS
1978-----	16,590	1983-----	65,782
1979-----	36,287	1984-----	115,180
1980-----	29,205	1985-----	158,050
1981-----	52,402	1986-----	189,330
1982-----	40,674	1987-----	1,675,340

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL	
		INBOUND	OUTBOUND
TOTAL-----	1,675,340	252,220	1,423,120
1442 SAND, GRAVEL, CRUSHED ROCK-----	252,150	252,150	-----
2421 LUMBER-----	100	-----	100
2491 WOOD MANUFACTURES, NEC-----	100	-----	100
3291 MISC NONMETALLIC MINERAL PROD-----	100	-----	100
3511 MACHINERY, EXCEPT ELECTRICAL-----	70	70	-----
4029 WASTE AND SCRAP, NEC-----	1,422,820	-----	1,422,820
TOTAL TON-MILES,	2,777,720.		

HUMBOLDT HARBOR AND BAY, CALIF.

SECTION INCLUDED: ENTRANCE CHANNEL TO BAY AND CHANNELS IN BAY BETWEEN ARCATTA WHARF ON THE NORTH AND FIELDS LANDING ON THE SOUTH. CONTROLLING DEPTH: BAR ENTRANCE CHANNEL, 39.9 FEET; CHANNEL BETWEEN THE JETTIES 33.1 FEET; CHANNEL AT INTERSECTION OF FIELDS LANDING AND NORTH BAY CHANNEL, 27.7 FEET; NORTH BAY CHANNEL, 34.3 FEET TO STANDARD OIL WHARF AT BUCKSPORT, 34.7 FEET FOR REMAINDER OF CHANNEL; SAMOA CHANNEL, 33.9 FEET; 30.5 FEET IN SAMOA TURNING BASIN; EUREKA CHANNEL, 29.5 FEET TO ANGLE IN CHANNEL, 11.9 FEET TO "D" STREET, 8.7 FEET TO HEAD OF PROJECT; FIELDS LANDING CHANNEL, 26.8 FEET TO BUNNE POINT, 29.5 FEET AT BUNNE POINT, 27.8 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

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	1,454,665	-----	1,454,665	1983-----	1,151,953	-----	1,151,953
1979-----	1,313,116	-----	1,313,116	1984-----	4,294,159	-----	4,294,159
1980-----	1,324,045	-----	1,324,045	1985-----	1,411,599	-----	1,411,599
1981-----	820,404	-----	820,404	1986-----	1,505,969	-----	1,505,969
1982-----	873,041	-----	873,041	1987-----	1,494,923	-----	1,494,923

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL SHIPMENTS	INTERNAL RECEIPTS
TOTAL-----	1,494,923	1,339	687,920	525,228	237,893	42,543
0133 COFFEE-----	19	19	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	3	-----	3	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	27,742	-----	-----	-----	-----	27,742
0912 SHELLFISH, EXCEPT PREPARED-----	14,801	-----	-----	-----	-----	14,801
2039 PREP FRUIT AND VEG JUICE, NEC-----	20	20	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	116	73	45	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	8	8	-----	-----	-----	-----
2311 APPAREL-----	1	1	-----	-----	-----	-----
2411 LOGS-----	63,841	-----	63,841	-----	-----	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	295,105	-----	295,105	-----	-----	-----
2421 LUMBER-----	241,562	-----	15,202	-----	226,360	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	44	-----	44	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	2,614	296	2,318	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	21	21	-----	-----	-----	-----
2611 PULP-----	305,773	-----	305,773	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	3,542	5	3,537	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	24	24	-----	-----	-----	-----
2810 SODIUM HYDROXIDE-----	84,680	-----	-----	84,680	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	1	1	-----	-----	-----	-----
2818 SULPHURIC ACID-----	8,843	-----	-----	8,843	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	20,177	31	41	20,105	-----	-----
2821 PLASTIC MATERIALS-----	92	92	-----	-----	-----	-----
2841 SOAP-----	13	13	-----	-----	-----	-----
2851 PAINTS-----	26	26	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	35,411	11	-----	35,400	-----	-----
2911 GASOLINE-----	39,124	-----	-----	34,600	4,524	-----
2914 DISTILLATE FUEL OIL-----	62,896	-----	-----	60,793	2,103	-----
2915 RESIDUAL FUEL OIL-----	37,439	-----	-----	37,439	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	247,870	-----	-----	245,368	4,502	-----
3011 RUBBER AND MISC PLASTIC PROD-----	13	13	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	1	1	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	111	111	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	43	43	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	275	275	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	19	19	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	76	76	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	66	66	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	56	56	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	22	22	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3	3	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	12	12	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	2,416	1	2,011	-----	404	-----
TOTAL TON-MILES, 8,470,092.						

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
BERKELEY, CALIF.,-----				95,414
BODEGA BAY, CALIF.,-----	NO COMMERCE REPORTED			
CRESCENT CITY HARBOR, CALIF.,-----	NO COMMERCE REPORTED			
HALF MOON BAY, CALIF.,-----	NO COMMERCE REPORTED			
MONTREY HARBOR, CALIF.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	13,985		
	0912 SHELLFISH, EXCEPT PREPARED-----	33		
	TOTAL-----	14,018		
MOSS LANDING HARBOR, CALIF.,-----	NO COMMERCE REPORTED			
NAPA RIVER, CALIF.,-----	1491 SALT-----	39,600		
	4118 WATERWAY IMPROVEMENT MAT-----	1,000		
	TOTAL-----	40,600	328,800	
YOYO RIVER, CALIF.,-----	NO COMMERCE REPORTED			
SAN RAFAEL CREEK, CALIF.,-----	NO COMMERCE REPORTED			
SANTA CRUZ HARBOR, CALIF.,-----	NO COMMERCE REPORTED			
SUISUN CHANNEL, CALIF.,-----	2915 RESIDUAL FUEL OIL-----	2,301	29,913	
NONPROJECT				
OTHER SAN FRANCISCO BAY AREA PORTS, CALIF. (NET)-----	0133 COFFEE-----	78		
	0141 FRESH AND FROZEN VEGETABLES-----	29		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	21		
	1311 CRUDE PETROLEUM-----	7,800,735		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	1,289,733		
	1911 ORDNANCE AND ACCESSORIES-----	8		
	2011 MEAT, FRESH, CHILLED, FROZEN-----	98		
	2034 VEGETABLES AND PREP, NEC-----	3		
	2039 PREP FRUIT AND VEG JUICE, NEC-----	1		
	2049 GRAIN MILL PRODUCTS, NEC-----	3		
	2081 ALCOHOLIC BEVERAGES-----	52		
	2092 ANIMAL OILS AND FATS, NEC-----	16		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	9		
	2211 BASIC TEXTILE PRODUCTS-----	6		
	2311 APPAREL-----	1		
	2411 LOGS-----	5,595		
	2414 TIMBER, POSTS, POLES, PILING-----	1,000		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	141		
	2491 WOOD MANUFACTURES, NEC-----	1		
	2511 FURNITURE AND FIXTURES-----	19		
	2711 PRINTED MATTER-----	2		
	2819 BASIC CHEMICALS AND PROD, NEC-----	15,328		
	2891 MISCELLANEOUS CHEMICAL PROD-----	52		
	2911 GASOLINE-----	91,434		
	2912 JET FUEL-----	120,011		
	2914 DISTILLATE FUEL OIL-----	62,619		
	2915 RESIDUAL FUEL OIL-----	1,073,396		
	2916 LUBRICATING OILS AND GREASES-----	1,449		
	2917 NAPHTHA, PETROLEUM SOLVENTS-----	6,506		
	2991 PETROLEUM AND COAL PROD, NEC-----	11,840		
	3011 RUBBER AND MISC PLASTIC PROD-----	38		
	3111 LEATHER AND LEATHER PRODUCTS-----	10		
	3251 STRUCTURAL CLAY PRODUCTS-----	27		
	3281 CUT STONE AND STONE PRODUCTS-----	44		
	3291 MISC NONMETALLIC MINERAL PROD-----	2,635		
	3317 IRON AND STEEL PIPE AND TUBE-----	5,000		
	3411 FABRICATED METAL PRODUCTS-----	2,873		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	457		
	3611 ELECTRICAL MACH AND EQUIP-----	188		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,681		
	3721 AIRCRAFT AND PARTS-----	11		
	3731 SHIPS AND BOATS-----	6		
	3811 INSTR, TIME, PHOTO, OPT GOODS-----	5		
	3911 MISC MANUFACTURED PRODUCTS-----	3		
	4029 WASTE AND SCRAP, NEC-----	5,018,900		
	4118 WATERWAY IMPROVEMENT MAT-----	194,000		
	9999 DEPARTMENT OF DEFENSE AND SCI-----	156		
	TOTAL-----	15,666,422		3,385,832

PACIFIC OCEAN DIVISION

31

HILO HARBOR, HAWAII, HAWAII

SECTION INCLUDED: PORT OF HILO. CONTROLLING DEPTH: 34.0 FEET. PROJECT DEPTH: 35 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	1,272,734	3,207	1983-----	1,522,442	-----
1979-----	1,220,438	-----	1984-----	1,570,528	-----
1980-----	1,102,019	-----	1985-----	1,316,518	-----
1981-----	1,441,590	-----	1986-----	1,198,692	-----
1982-----	1,381,996	-----	1987-----	1,365,768	-----

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	1,365,768	60,825	16,237	905,144	583,562
0105 RICE-----	3,073	-----	-----	3,073	-----
0122 HAY AND FODDER-----	4	-----	-----	4	-----
0131 FRESH FRUITS-----	5,826	-----	-----	741	4,887
3133 COFFEE-----	296	-----	-----	-----	296
3141 FRESH AND FROZEN VEGETABLES-----	11,568	-----	-----	7,255	4,333
0151 LIVE ANIMALS-----	510	-----	-----	242	268
3061 ANIMALS AND PRODUCTS, NEC-----	390	-----	-----	390	-----
3061 FOREST PRODUCTS, NEC-----	4,108	-----	-----	135	3,973
0912 SHELLFISH, EXCEPT PREPARED-----	277	-----	-----	277	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	115	-----	-----	115	-----
1121 COAL AND LIGNITE-----	34,758	34,758	-----	-----	-----
1491 SALT-----	719	-----	-----	719	-----
1499 GYPSUM, CRUDE AND PLASTERS-----	361	-----	-----	361	-----
1911 MOVANCE AND ACCESSORIES-----	128	-----	-----	122	6
2011 MEAT, FRESH, CHILLED, FROZEN-----	11,297	-----	-----	9,862	1,435
2015 ANIMAL BY-PRODUCTS, NEC-----	130	-----	-----	-----	130
2021 DAIRY PRODUCTS, NEC-----	807	-----	-----	807	-----
2034 VEGETABLES AND PREP, NEC-----	27,593	-----	-----	12,015	15,578
2039 PREP FRUIT AND VEG JUICE, NEC-----	3,403	-----	-----	2,902	501
2041 WHEAT FLOUR AND SEMOLINA-----	752	-----	-----	752	-----
2042 ANIMAL FEEDS-----	15,753	-----	-----	15,753	-----
2061 SUGAR-----	104,515	-----	-----	264	104,251
2062 MOLASSES-----	22,030	-----	16,237	2,795	2,998
2081 ALCOHOLIC BEVERAGES-----	11,992	-----	-----	11,986	4
2091 VEGETABLE OILS, MARG, SHORT-----	475	-----	-----	475	-----
2094 GROCERIES-----	9,746	-----	-----	9,570	176
2099 MISCELLANEOUS FOOD PRODUCTS-----	96,859	17	-----	35,969	60,873
2211 BASIC TEXTILE PRODUCTS-----	166	-----	-----	166	-----
2413 FUEL OIL, CHARCOAL, WASTES-----	1,824	-----	-----	1,537	87
2414 TIMBER, POSTS, POLES, PILING-----	1,553	-----	-----	1,553	-----
2421 LUMBER-----	23,543	-----	-----	22,011	1,532
2431 VENEER, PLYWOOD, WORKED WOOD-----	4,274	-----	-----	4,274	-----
2491 WOOD MANUFACTURES, NEC-----	16,582	-----	-----	5,833	10,749
2511 FURNITURE AND FIXTURES-----	5,821	-----	-----	4,531	1,290
2621 STANDARD NEWSPRINT PAPER-----	538	250	-----	288	-----
2631 PAPER AND PAPERBOARD-----	1,258	-----	-----	1,252	6
2691 PULP AND PAPER PRODUCTS, NEC-----	20,560	-----	-----	20,179	381
2711 PRINTED MATTER-----	190	-----	-----	190	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	7	-----	-----	-----	7
2819 BASIC CHEMICALS AND PROD, NEC-----	5,645	2,072	-----	3,566	7
2821 PLASTIC MATERIALS-----	488	-----	-----	488	-----
2841 SOAP-----	1,533	-----	-----	1,533	-----
2851 PAINTS-----	729	-----	-----	729	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	18,250	6,992	-----	11,256	-----
2872 POTASSIC CHEM FERTILIZERS-----	11,353	11,353	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	516	-----	-----	516	-----
2879 FERTILIZER AND MATERIALS, NEC-----	11,091	1,991	-----	4,079	5,022
2891 MISCELLANEOUS CHEMICAL PROD-----	294	-----	-----	294	-----
2911 GASOLINE-----	42,826	-----	-----	42,826	-----
2912 JET FUEL-----	4,115	-----	-----	4,115	-----
2914 DISTILLATE FUEL OIL-----	24,818	-----	-----	24,818	-----
2915 RESIDUAL FUEL OIL-----	3,391	-----	-----	3,391	-----
2916 LUBRICATING OILS AND GREASES-----	445	-----	-----	445	-----
2918 ASPHALT, TAR, AND PITCHES-----	140	-----	-----	140	-----
2921 LIQUEFIED GASES-----	14,423	-----	-----	14,423	-----
2951 ASPHALT BUILDING MATERIALS-----	221	-----	-----	221	-----
2991 PETROLEUM AND COAL PROD, NEC-----	241,789	-----	-----	241,789	-----
3011 RUBBER AND MISC PLASTIC PROD-----	2,517	-----	-----	2,341	176
3211 GLASS AND GLASS PRODUCTS-----	360	-----	-----	360	-----
3241 BUILDING CEMENT-----	15,617	-----	-----	14,729	888
3251 STRUCTURAL CLAY PRODUCTS-----	152	-----	-----	152	-----
3281 CUT STONE AND STONE PRODUCTS-----	20	-----	-----	20	-----
3291 MISC NONMETALLIC MINERAL PROD-----	6,390	-----	-----	4,938	1,452
3312 SLAG-----	109	-----	-----	109	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,680	-----	-----	2,671	9
3316 IRON AND STEEL PLATES, SHEETS-----	1,567	-----	-----	1,567	-----
3317 IRON AND STEEL PIPE AND TUBE-----	2,536	137	-----	2,399	-----
3411 FABRICATED METAL PRODUCTS-----	250,431	1,388	-----	126,868	122,175
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,087	2	-----	996	89
3611 ELECTRICAL MACH AND EQUIP-----	975	691	-----	284	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	111,362	1,141	-----	86,977	23,244
3721 AIRCRAFT AND PARTS-----	11	-----	-----	11	-----
3731 SHIPS AND BOATS-----	1,707	-----	-----	1,012	695
3791 MISC TRANSPORTATION EQUIPMENT-----	16,843	-----	-----	12,484	4,359

HILO HARBOR, HAWAII, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
3911 MISC MANUFACTURED PRODUCTS-----	5,108	-----	-----	4,176	932
4011 IRON AND STEEL SCRAP-----	770	-----	-----	10	760
4024 PAPER WASTE AND SCRAP-----	46	-----	-----	-----	46
4029 WASTE AND SCRAP, NEC-----	8	-----	-----	-----	8
4112 COMMODITIES, NEC-----	114,595	33	-----	104,765	9,797
4119 EMPTY CONTAINERS-----	203	-----	-----	63	140

KAWAII HARBOR, HAWAII, HAWAII

SECTION INCLUDED: PORT OF KAWAII. 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

YEAR	TONS	YEAR	TONS
1978-----	502,451	1983-----	441,458
1979-----	447,521	1984-----	545,508
1980-----	518,116	1985-----	526,639
1981-----	432,704	1986-----	592,018
1982-----	441,130	1987-----	671,202

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	671,202	42,505	29,849	300,290	498,558
0102 BARLEY AND RYE-----	11,213	11,213	-----	-----	-----
0122 HAY AND FODDER-----	19	-----	-----	-----	19
3151 LIVE ANIMALS-----	46,424	-----	-----	7,600	38,818
1911 ORDNANCE AND ACCESSORIES-----	20	-----	-----	20	-----
2034 VEGETABLES AND PREP, NEC-----	7,113	-----	-----	1,767	5,126
2042 ANIMAL FEEDS-----	13,719	7,774	-----	1,071	4,674
2049 GRAIN MILL PRODUCTS, NEC-----	250	-----	-----	250	-----
2061 SUGAR-----	287,121	-----	-----	-----	287,121
2062 MOLASSES-----	31,479	-----	29,849	-----	1,630
2081 ALCOHOLIC BEVERAGES-----	40	-----	-----	40	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	36,609	-----	-----	10,825	25,784
2414 TIMBER, POSTS, POLES, PILING-----	38	-----	-----	23	15
2421 LUMBER-----	3,402	-----	-----	3,021	381
2431 VENEER, PLYWOOD, WORKED WOOD-----	54	-----	-----	54	-----
2491 WOOD MANUFACTURES, NEC-----	3,362	-----	-----	1,042	2,320
2511 FURNITURE AND FIXTURES-----	2,033	-----	-----	2,082	1
2631 PAPER AND PAPERBOARD-----	1,216	-----	-----	1,216	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	2,639	-----	-----	2,570	69
2841 SOAP-----	19	-----	-----	19	-----
2879 FERTILIZER AND MATERIALS, NEC-----	1,065	-----	-----	623	442
2911 GASOLINE-----	11,511	-----	-----	11,511	-----
2914 DISTILLATE FUEL OIL-----	6,241	-----	-----	6,241	-----
2918 ASPHALT, TAR, AND BITUMENS-----	1,002	-----	-----	1,002	-----
2991 PETROLEUM AND COAL PROD, NEC-----	5,727	-----	-----	-----	5,727
3011 RUBBER AND MISC PLASTIC PROD-----	826	-----	-----	826	-----
3241 BUILDING CEMENT-----	43,434	21,466	-----	21,316	702
3291 MISC NONMETALLIC MINERAL PROD-----	783	-----	-----	783	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	5,273	1,337	-----	3,936	-----
3317 IRON AND STEEL PIPE AND TUBE-----	404	-----	-----	328	76
3411 FABRICATED METAL PRODUCTS-----	188,161	715	-----	95,525	88,921
3511 MACHINERY, EXCEPT ELECTRICAL-----	73	-----	-----	73	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	87,344	-----	-----	66,159	21,185
3731 SHIPS AND BOATS-----	3,785	-----	-----	2,762	1,023
3791 MISC TRANSPORTATION EQUIPMENT-----	15,341	-----	-----	8,743	6,598
3911 MISC MANUFACTURED PRODUCTS-----	1,224	-----	-----	1,224	-----
4112 COMMODITIES, NEC-----	52,138	-----	-----	44,412	7,726

KAHULUI HARBOR, MAUI, HAWAII

SECTION INCLUDED: PORT OF KAHULUI. CONTROLLING DEPTH: 34.0 FEET. PROJECT DEPTH: 35 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	1,922,112	5,879	1983-----	1,842,568	-----
1979-----	1,473,307	-----	1984-----	1,889,204	-----
1980-----	1,441,524	-----	1985-----	1,516,509	-----
1981-----	1,551,944	-----	1986-----	1,826,650	-----
1982-----	1,483,955	-----	1987-----	2,035,247	-----

PACIFIC OCEAN DIVISION

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KAHULUI HARBOR, MAUI, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	2,03,247	41,096	9,371	1,217,392	767,388
0105 RICE-----	2,110			2,110	
0122 HAY AND FODDER-----	298			298	
0131 FRESH FRUITS-----	1,253			755	538
0141 FRESH AND FROZEN VEGETABLES-----	8,094			7,945	149
0151 LIVE ANIMALS-----	13,673			3,696	9,977
0161 ANIMALS AND PRODUCTS, NEC-----	17			17	
0861 FOREST PRODUCTS, NEC-----	249			203	46
0912 SHELLFISH, EXCEPT PREPARED-----	220			220	
1091 NONFERROUS ORES, CONCENT, NEC-----	194			194	
1121 COAL AND LIGNITE-----	24,217	24,217			
1442 SAND, GRAVEL, CRUSHED ROCK-----	85,851			5,881	79,970
1451 CLAY-----	110			110	
1491 SALT-----	45			45	
1494 GYPSUM, CRUDE AND PLASTERS-----	1,418			1,418	
1911 DYNAMITE AND ACCESSORIES-----	45			45	
2011 MEAT, FRESH, CHILLED, FROZEN-----	8,647			8,643	14
2021 DAIRY PRODUCTS, NEC-----	947			947	
2034 VEGETABLES AND PREP, NEC-----	22,653			12,719	9,934
2039 PREP FRUIT AND VEG JUICE, NEC-----	130,948		21	335	130,592
2041 WHEAT FLOUR AND SEMOLINA-----	703			703	
2042 ANIMAL FEEDS-----	23,397			23,365	32
2061 SUGAR-----	255,196				255,196
2062 MOLASSES-----	33,865		9,517		24,546
2081 ALCOHOLIC BEVERAGES-----	19,694			19,543	151
2091 VEGETABLE OILS, MARG, SHORT-----	773			773	
2094 GROCERIES-----	12,199			12,195	4
2099 MISCELLANEOUS FOOD PRODUCTS-----	68,219			53,654	14,560
2211 BASIC TEXTILE PRODUCTS-----	560			560	
2411 LOGS-----	77			77	
2413 FUEL WOOD, CHARCOAL, WASTES-----	1,789			1,778	11
2414 TIMBER, PULPS, POLES, PILING-----	398			398	
2421 LUMBER-----	39,011			37,946	1,065
2431 VENEER, PLYWOOD, WORKED WOOD-----	5,700			5,700	
2491 WOOD MANUFACTURES, NEC-----	18,356			5,770	12,586
2511 FURNITURE AND FIXTURES-----	8,643			7,517	1,526
2621 STANDARD NEWSPRINT PAPER-----	193			193	
2631 PAPER AND PAPERBOARD-----	2,262			2,244	38
2691 PULP AND PAPER PRODUCTS, NEC-----	20,950			19,086	964
2711 PRINTED MATTER-----	133			133	
2810 SODIUM HYDROXIDE-----	34			34	
2818 SULPHURIC ACID-----	99			99	
2819 BASIC CHEMICALS AND PROD, NEC-----	2,865			2,848	17
2821 PLASTIC MATERIALS-----	1,223			1,223	
2831 DRUGS-----	24			24	
2841 SOAP-----	623			623	
2851 PAINTS-----	528			512	16
2871 NITROGENOUS CHEM FERTILIZERS-----	16,737	3,458		13,255	24
2876 INSECTICIDES, DISINFECTANTS-----	540			540	
2879 FERTILIZER AND MATERIALS, NEC-----	2,054			2,054	
2891 MISCELLANEOUS CHEMICAL PROD-----	459			459	
2911 GASOLINE-----	37,021			37,021	
2912 JET FUEL-----	22,753			22,753	
2919 DISTILLATE FUEL OIL-----	24,739			24,739	
2915 RESIDUAL FUEL OIL-----	1,936			1,936	
2916 LUBRICATING OILS AND GREASES-----	752			752	
2918 ASPHALT, TAR, AND PITCHES-----	465			465	
2921 LIQUEFIED GASES-----	12,092			12,092	
2951 ASPHALT BUILDING MATERIALS-----	2,585			2,585	
2991 PETROLEUM AND COAL PROD, NEC-----	284,689			280,174	4,515
3011 RUBBER AND MISC PLASTIC PROD-----	3,892	2		3,653	237
3211 GLASS AND GLASS PRODUCTS-----	365			365	
3241 BUILDING CEMENT-----	52,168			52,168	
3251 STRUCTURAL CLAY PRODUCTS-----	371			349	22
3261 CUT STONE AND STONE PRODUCTS-----	383			383	
3291 MISC NONMETALLIC MINERAL PROD-----	13,265			13,265	
3312 SLAG-----	2,896			346	2,550
3315 IRON, STEEL SHAPES, EXC SHEET-----	13,617	10,678		2,918	21
3316 IRON AND STEEL PLATES, SHEETS-----	951			951	
3317 IRON AND STEEL PIPE AND TUBE-----	2,730			2,730	
3319 IRON AND STEEL PRODUCTS, NEC-----	8			8	
3323 LEAD AND ZINC, UNWORKED-----	18			18	
3411 FABRICATED METAL PRODUCTS-----	309,143	2	5	187,910	121,228
3411 MACHINERY, EXCEPT ELECTRICAL-----	2,884	491	25	2,202	166
3611 ELECTRICAL MACH AND EQUIP-----	608	5		603	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	191,516	2,234	3	126,431	62,850
3721 AIRCRAFT AND PARTS-----	23			23	
3751 SHIPS AND BOATS-----	3,681			2,639	1,042
3791 MISC TRANSPORTATION EQUIPMENT-----	28,366			19,103	9,263
3911 MISC MANUFACTURED PRODUCTS-----	7,977			7,244	733
4011 IRON AND STEEL SCRAP-----	1,802				1,802
4112 COMMODITIES, NEC-----	173,559	9		152,886	20,670
4119 EMPTY CONTAINERS-----	534			4	535

BARBERS POINT HARBOR, OAHU, HAWAII

SECTION INCLUDED: BARBERS POINT HARBOR. CONTROLLING DEPTH: 42 FEET IN THE ENTRANCE CHANNEL AND 38 FEET IN THE MAIN ACCESS CHANNEL AND BASIN. PROJECT 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.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	6,306,580	1983-----	7,051,230
1979-----	6,154,591	1984-----	6,564,687
1980-----	5,725,722	1985-----	6,751,709
1981-----	5,589,741	1986-----	5,629,312
1982-----	5,707,386	1987-----	7,135,064

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	7,135,064	2,812,968	323,911	3,376,818	621,367
1311 CRUDE PETROLEUM-----	5,319,708	2,365,264	-----	2,954,444	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	18,431	-----	-----	15,622	2,809
2414 TIMBER, POSTS, POLES, PILING-----	600	-----	-----	-----	600
2817 BENZENE AND TOLUENES-----	3,383	3,383	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	403	403	-----	-----	-----
2911 GASOLINE-----	87,811	-----	-----	11,796	76,015
2912 JET FUEL-----	57,617	8,991	-----	13,065	35,561
2914 DISTILLATE FUEL OIL-----	440,152	20,438	82,890	164,668	168,156
2915 RESIDUAL FUEL OIL-----	1,046,392	409,449	227,057	200,593	209,293
2917 NAPHTHA, PETROLEUM SOLVENTS-----	65,230	-----	13,964	-----	51,266
2921 LIQUEFIED GASES-----	23,646	-----	-----	-----	23,646
2991 PETROLEUM AND COAL PROD, NEC-----	70,651	-----	-----	16,430	54,221
4112 COMMODITIES, NEC-----	1,040	1,040	-----	-----	-----

HONOLULU HARBOR, OAHU, HAWAII

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 KAPALANA BASIN; 40.0 FEET IN THE CONNECTING CHANNEL. PROJECT DEPTH: 45.0 FEET IN THE ENTRANCE CHANNEL; 40 FEET IN HARBOR BASIN, CONNECTING CHANNEL; 35.0 FEET IN KALIMI CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	7,750,537	183,721	1983-----	8,039,850	688,689
1979-----	7,463,663	311,899	1984-----	8,469,971	741,922
1980-----	7,646,270	547,242	1985-----	7,986,133	1,102,396
1981-----	8,269,671	521,624	1986-----	8,603,760	708,268
1982-----	7,593,097	465,466	1987-----	9,736,688	154,982

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL SHIPMENTS	LOCAL SHIPMENTS
TOTAL-----	9,736,688	683,679	226,639	4,547,857	4,057,410	70,373
0101 COTTON, RAW-----	33	-----	-----	33	-----	-----
0102 BARLEY AND RYE-----	40,968	40,968	-----	-----	-----	-----
0105 RICE-----	56,088	808	1,571	47,124	6,585	-----
0107 WHEAT-----	1,575	1,575	-----	-----	-----	-----
0111 SOYBEANS-----	73	13	-----	60	-----	-----
0119 OILSEEDS, NEC-----	2,367	2,356	-----	11	-----	-----
0122 HAY AND FODDER-----	1,614	-----	-----	1,562	52	-----
0129 FIELD CROPS, NEC-----	10	10	-----	-----	-----	-----
0131 FRESH FRUITS-----	322,282	1,570	30	236,313	84,369	-----
0132 BANANAS AND PLANTAINS-----	5,390	12	-----	5,378	-----	-----
0133 COFFEE-----	3,961	-----	90	3,303	568	-----
0141 FRESH AND FROZEN VEGETABLES-----	142,369	1,903	199	115,275	24,992	-----
0151 LIVE ANIMALS-----	68,631	3	-----	54,691	13,937	-----
0161 ANIMALS AND PRODUCTS, NEC-----	2,851	112	64	2,266	409	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	31	4	15	12	-----	-----
0801 FOREST PRODUCTS, NEC-----	11,126	339	-----	5,916	4,871	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	3,642	3,427	174	41	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	6,777	1,087	13	4,787	890	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	38	38	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	2,795	-----	-----	2,430	365	-----
1121 COAL AND LIGNITE-----	31,181	31,181	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	221,091	134,133	-----	86,958	-----	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	94,918	17,656	-----	60,933	11,829	-----
1451 CLAY-----	396	-----	-----	286	110	-----
1491 SALT-----	6,731	-----	596	5,371	764	-----
1492 SULPHUR, DRY-----	6,248	-----	6,248	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	42,814	32,724	-----	7,797	2,243	-----
1499 NONMETALLIC MINERALS, NEC-----	1	1	-----	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	290	5	-----	10	275	-----

PACIFIC OCEAN DIVISION

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HONOLULU HARBOR, OAHU, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	SHIPMENTS	
2011 MEAT, FRESH, CHILLED, FROZEN-----	162,573	6,879	1,728	129,608	24,358		
2012 MEAT AND PRODUCTS, NEC-----	161	62	99				
2015 ANIMAL BY-PRODUCTS, NEC-----	1,455		1,028	188	239		
2021 DAIRY PRODUCTS, NEC-----	23,181	917	5	20,129	2,130		
2022 DRIED MILK AND CREAM-----	941	514	427				
2031 FISH AND SHELLFISH, PREPARED-----	3,212	3,154	58				
2034 VEGETABLES AND PREP, NEC-----	196,503	3,606	238	154,912	37,747		
2039 PREP FRUIT AND VEG JUICE, NEC-----	457,342	3,761	3,936	139,948	319,097		
2041 WHEAT FLOUR AND SEMOLINA-----	16,387		1,476	13,236	1,675		
2042 ANIMAL FEEDS-----	150,770	26,606	416	69,711	54,037		
2049 GRAIN MILL PRODUCTS, NEC-----	9,544	6,649	2,119	776			
2061 SUGAR-----	184,150	101	344	2,411	181,294		
2062 MOLASSES-----	180,167		7,817	49,434	122,916		
2081 ALCOHOLIC BEVERAGES-----	216,895	6,792	780	168,719	40,604		
2091 VEGETABLE OILS, MARG, SHORT-----	18,437	241	159	16,516	1,521		
2094 GROCERIES-----	140,469			113,873	26,596		
2095 ICE-----	8	8					
2099 MISCELLANEOUS FOOD PRODUCTS-----	281,134	6,403	4,101	154,212	136,418		
2111 TOBACCO MANUFACTURES-----	3,114	143	3	2,953	15		
2211 BASIC TEXTILE PRODUCTS-----	10,212	2,572	124	6,657	859		
2212 TEXTILE FIBERS, NEC-----	8			8			
2311 APPAREL-----	30,855	844	12	29,999			
2411 LOGS-----	170		77		93		
2413 FUEL WOOD, CHARCOAL, WASTES-----	15,826	342		11,303	4,181		
2414 TIMBER, POSTS, POLES, PILING-----	2,103		33	1,862	208		
2421 LUMBER-----	260,126	127	3,089	190,764	66,146		
2431 VENEER, PLYWOOD, WORKED WOOD-----	63,116	1,213	1,781	48,222	11,462		
2491 WOOD MANUFACTURES, NEC-----	85,265	2,090	185	52,336	30,674		
2511 FURNITURE AND FIXTURES-----	133,162	5,487	205	67,230	60,240		
2621 STANDARD VESPAINT PAPER-----	22,111	19,248		2,863			
2631 PAPER AND PAPERBOARD-----	51,398	462	8	46,627	4,301		
2691 PULP AND PAPER PRODUCTS, NEC-----	116,334	769	264	70,487	44,814		
2711 PRINTED MATTER-----	8,637	1,376	16	6,900	345		
2810 SODIUM HYDROXIDE-----	34				34		
2813 ALCOHOLS-----	426				426		
2816 RADIOACTIVE MATERIALS, WASTES-----	802			19	783		
2817 BENZENE AND TOLUENE-----	18,523	18,523					
2818 SULPHURIC ACID-----	215				215		
2819 BASIC CHEMICALS AND PROD, NEC-----	46,614	394	189	30,337	15,694		
2821 PLASTIC MATERIALS-----	11,883	335	52	9,051	2,465		
2831 DRUGS-----	3,913	22	7	3,811	73		
2841 SOAP-----	32,099	332	125	29,290	2,352		
2851 PAINTS-----	16,577	11	56	14,747	1,763		
2871 NITROGENOUS CHEM FERTILIZERS-----	79,750	19	763	53,414	25,554		
2872 POTASSIC CHEM FERTILIZERS-----	883	608		275			
2876 INSECTICIDES, DISINFECTANTS-----	4,895		2	3,168	1,725		
2879 FERTILIZER AND MATERIALS, NEC-----	16,471	1,401	152	5,575	9,343		
2891 MISCELLANEOUS CHEMICAL PROD-----	4,362	253	128	3,151	830		
2911 GASOLINE-----	233,702	24,310	9,843	76,839	115,562		7,128
2912 JET FUEL-----	387,158	117,161		231,265	38,732		
2914 DISTILLATE FUEL OIL-----	266,341	5,234	71,736	95,576	93,795		
2915 RESIDUAL FUEL OIL-----	593,243		4,729	126,491	46,190	70,573	143,460
2916 LUBRICATING OILS AND GREASES-----	5,564	2	4	3,561	1,997		
2917 NAPHTHA, PETROLEUM SOLVENTS-----	4,358	2,538	1,820				
2918 ASPHALT, TAR, AND PITCHES-----	10,912		181	6,753	3,978		
2921 LIQUEFIED GASES-----	7,961	14	3		7,944		
2951 ASPHALT BUILDING MATERIALS-----	19,295		113	15,032	4,150		
2991 PETROLEUM AND COAL PROD, NEC-----	650,977	3		48,373	602,601		
3011 RUBBER AND MISC PLASTIC PROD-----	26,704	5,822	135	10,465	10,282		
3111 LEATHER AND LEATHER PRODUCTS-----	1,530	1,488	1	41			
3211 GLASS AND GLASS PRODUCTS-----	7,623	3,403	7	3,303	910		
3241 BUILDING CEMENT-----	141,396	25,639		5,483	110,274		
3251 STRUCTURAL CLAY PRODUCTS-----	11,900	5,058	3	6,040	799		
3271 LIME-----	89			88	1		
3281 CUT STONE AND STONE PRODUCTS-----	4,677	1,224	2	2,753	698		
3291 MISC NONMETALLIC MINERAL PROD-----	102,706	1,730	93	75,967	24,916		
3312 SLAG-----	13,114			12,533	581		
3315 IRON, STEEL SHAPES, EXC SHEET-----	39,926	25,471	81	1,501	12,873		
3316 IRON AND STEEL PLATES, SHEETS-----	16,294		22	13,055	3,217		
3317 IRON AND STEEL PIPE AND TUBE-----	25,682	2,820	21	18,492	6,349		
3319 IRON AND STEEL PRODUCTS, NEC-----	2,582	2,272	6	296	8		
3321 NONFERROUS METALS, NEC-----	5		5				
3322 COPPER ALLOYS, UNWORKED-----	276	261	15				
3323 LEAD AND ZINC, UNWORKED-----	304	107	21	158	18		
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,172	9	7	1,156			
3411 FABRICATED METAL PRODUCTS-----	1,179,151	7,549	787	559,118	611,697		
3511 MACHINERY, EXCEPT ELECTRICAL-----	30,144	4,790	732	15,539	8,984		99
3611 ELECTRICAL MACH AND EQUIP-----	13,238	3,281	572	8,115	1,270		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	693,177	40,942	232	234,637	413,366		
3721 AIRCRAFT AND PARTS-----	132			89	43		
3731 SHIPS AND BOATS-----	15,621	64	37	5,227	10,293		
3791 MISC TRANSPORTATION EQUIPMENT-----	84,903	6	38	28,855	55,961		43
3811 INSTR, TIME, PHOTO, OPT GOODS-----	567	535	10	22			
3911 MISC MANUFACTURED PRODUCTS-----	65,523	4,829	27	36,770	23,897		
4011 IRON AND STEEL SCRAP-----	61,544		49,926	3,793	7,825		
4012 NONFERROUS METAL SCRAP-----	10,745		10,745				
4024 PAPER WASTE AND SCRAP-----	32,679		32,548	46	85		
4029 WASTE AND SCRAP, NEC-----	97,026			95,988	1,038		
4112 COMMODITIES, NEC-----	891,537	928	1,126	452,518	436,965		
4119 EMPTY CONTAINERS-----	26,175			2,640	23,535		
9999 DEPARTMENT OF DEFENSE AND SCI-----	29		29				

NAWILIWILI HARBOR, KAUAI, HAWAII

SECTION INCLUDED: PORT OF NAWILIWILI. CONTROLLING DEPTH: 41.0 FEET IN THE OUTER CHANNEL; 41.0 FEET IN THE INNER CHANNEL; 33.0 FEET IN THE HARBOR BASIN. PROJECT DEPTH: 40 FEET IN THE CHANNEL; 35 FEET IN THE HARBOR BASIN.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	765,877	6,384	1983-----	1,008,699	-----
1979-----	757,899	-----	1984-----	944,770	-----
1980-----	765,212	-----	1985-----	933,477	-----
1981-----	906,595	-----	1986-----	745,396	-----
1982-----	808,153	-----	1987-----	916,422	-----

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	916,422	7,828	6	540,228	368,360
0105 RICE-----	1,402	-----	-----	1,402	-----
0122 HAY AND FODDER-----	46	-----	-----	46	-----
0131 FRESH FRUITS-----	157	-----	-----	152	5
0133 COFFEE-----	7	-----	-----	7	-----
0141 FRESH AND FROZEN VEGETABLES-----	4,722	-----	-----	4,722	-----
0151 LIVE ANIMALS-----	7,445	-----	-----	2,083	5,362
0161 ANIMALS AND PRODUCTS, NEC-----	2	-----	-----	2	-----
0861 FOREST PRODUCTS, NEC-----	117	-----	-----	117	-----
0912 SHELLFISH, EXCEPT PREPARED-----	43	-----	-----	43	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	56	-----	-----	56	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	514	-----	-----	514	-----
1911 ORDNANCE AND ACCESSORIES-----	91	-----	-----	87	4
2011 MEAT, FRESH, CHILLED, FROZEN-----	3,581	-----	-----	3,581	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	58	-----	-----	-----	58
2021 DAIRY PRODUCTS, NEC-----	325	-----	-----	325	-----
2034 VEGETABLES AND PREP, NEC-----	6,769	-----	-----	5,222	1,547
2039 PREP FRUIT AND VEG JUICE, NEC-----	4,166	-----	-----	4	4,162
2041 WHEAT FLOUR AND SEMOLINA-----	220	-----	-----	220	-----
2042 ANIMAL FEEDS-----	12,023	-----	-----	12,022	1
2061 SUGAR-----	127,294	-----	-----	-----	127,294
2062 MOLASSES-----	23,055	-----	-----	-----	23,055
2081 ALCOHOLIC BEVERAGES-----	8,551	-----	-----	8,551	-----
2091 VEGETABLE OILS, MARG, SHORT-----	272	-----	-----	272	-----
2094 GROCERIES-----	4,286	-----	-----	4,286	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	33,315	-----	-----	30,134	3,181
2211 BASIC TEXTILE PRODUCTS-----	139	-----	-----	139	-----
2411 LOGS-----	16	-----	-----	16	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	755	-----	-----	738	17
2414 TIMBER, POSTS, POLES, PILING-----	681	-----	-----	681	-----
2421 LUMBER-----	20,236	-----	-----	20,064	174
2431 VENEER, PLYWOOD, WORKED WOOD-----	2,977	-----	-----	2,977	-----
2491 WOOD MANUFACTURES, NEC-----	10,728	-----	-----	2,925	7,803
2511 FURNITURE AND FIXTURES-----	4,745	-----	-----	4,103	642
2621 STANDARD NEWSPRINT PAPER-----	150	-----	-----	150	-----
2631 PAPER AND PAPERBOARD-----	983	-----	-----	966	17
2691 PULP AND PAPER PRODUCTS, NEC-----	3,404	-----	-----	3,343	61
2711 PRINTED MATTER-----	22	-----	-----	22	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	12	-----	-----	-----	12
2818 SULPHURIC ACID-----	116	-----	-----	116	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	1,252	534	-----	714	4
2821 PLASTIC MATERIALS-----	736	-----	-----	736	-----
2841 SOAP-----	165	-----	-----	165	-----
2851 PAINTS-----	67	-----	-----	67	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	4,725	3,672	-----	1,053	-----
2872 POTASSIC CHEM FERTILIZERS-----	3,409	3,409	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	462	-----	-----	462	-----
2879 FERTILIZER AND MATERIALS, NEC-----	2,217	213	-----	1,993	11
2891 MISCELLANEOUS CHEMICAL PROD-----	25	-----	-----	25	-----
2911 GASOLINE-----	14,724	-----	-----	14,724	-----
2912 JET FUEL-----	6,864	-----	-----	6,864	-----
2914 DISTILLATE FUEL OIL-----	1,489	-----	-----	1,489	-----
2916 LUBRICATING OILS AND GREASES-----	754	-----	-----	754	-----
2918 ASPHALT, TAR, AND PITCHES-----	1,722	-----	-----	1,722	-----
2921 LIQUEFIED GASES-----	5,075	-----	-----	5,075	-----
2951 ASPHALT BUILDING MATERIALS-----	1,521	-----	-----	1,521	-----
2991 PETROLEUM AND COAL PROD, NEC-----	26,567	-----	-----	26,567	-----
3011 RUBBER AND MISC PLASTIC PROD-----	3,090	-----	-----	2,959	131
3211 GLASS AND GLASS PRODUCTS-----	120	-----	-----	120	-----
3241 BUILDING CEMENT-----	22,476	-----	-----	22,409	67
3251 STRUCTURAL CLAY PRODUCTS-----	276	-----	-----	276	-----
3281 CUT STONE AND STONE PRODUCTS-----	204	-----	-----	204	-----
3291 MISC NONMETALLIC MINERAL PROD-----	5,933	-----	-----	5,931	2
3312 SLAG-----	126	-----	-----	126	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	3,200	-----	-----	3,188	12
3316 IRON AND STEEL PLATES, SHEETS-----	647	-----	-----	647	-----
3317 IRON AND STEEL PIPE AND TUBE-----	1,663	-----	-----	1,652	11
3411 FABRICATED METAL PRODUCTS-----	268,973	-----	-----	135,058	133,915
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,264	-----	-----	1,241	23
3611 ELECTRICAL MACH AND EQUIP-----	209	-----	-----	194	15
3711 MOTOR VEHICLES, PARTS, EQUIP-----	120,721	-----	-----	85,972	34,749
3721 AIRCRAFT AND PARTS-----	8	-----	-----	3	5
3731 SHIPS AND BOATS-----	4,520	-----	-----	3,012	1,508
3791 MISC TRANSPORTATION EQUIPMENT-----	20,483	-----	-----	13,401	6,582
3911 MISC MANUFACTURED PRODUCTS-----	3,686	-----	-----	2,863	823
4011 IRON AND STEEL SCRAP-----	923	-----	-----	-----	923
4112 COMMODITIES, N.E.C-----	103,652	-----	6	86,453	16,593
4119 EMPTY CONTAINERS-----	191	-----	-----	-----	191

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
HANA HARBOR, MAUI, HAWAII-----	NO COMMERCE REPORTED			
KAILUA HARBOR, OAHU, HAWAII-----	NO COMMERCE REPORTED			
KALAJAPA HARBOR, MOLOKAI, HAWAII-----	2421 LUMBER-----	51	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	20	-----	-----
	2511 FURNITURE AND FIXTURES-----	3	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	12	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	3	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	273	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	482	-----	-----
	3731 SHIPS AND BOATS-----	30	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	24	-----	-----
	4112 COMMODITIES, NEC-----	655	-----	-----
	TOTAL-----	1,533	-----	-----
KAUNAKAKAI HARBOR, MOLOKAI, HAWAII-----	0122 HAY AND FODDER-----	1,674	-----	-----
	0131 FRESH FRUITS-----	24,669	-----	-----
	0151 LIVE ANIMALS-----	1,443	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	3,943	-----	-----
	1911 ORDNANCE AND ACCESSORIES-----	1	-----	-----
	2034 VEGETABLES AND PREP, NEC-----	12,636	-----	-----
	2042 ANIMAL FEEDS-----	2,053	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	6,906	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	68	-----	-----
	2421 LUMBER-----	1,404	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	3,531	-----	-----
	2511 FURNITURE AND FIXTURES-----	822	-----	-----
	2631 PAPER AND PAPERBOARD-----	19	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	101	-----	-----
	2679 FERTILIZER AND MATERIALS, NEC-----	275	-----	-----
	2914 DISTILLATE FUEL OIL-----	8,679	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	373	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	5,477	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	353	-----	-----
	3241 BUILDING CEMENT-----	1,227	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	17	-----	-----
	3312 SLAG-----	2,200	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	181	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	984	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	80,979	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	23,170	-----	-----
	3731 SHIPS AND BOATS-----	953	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	3,890	-----	-----
	4011 IRON AND STEEL SCRAP-----	312	-----	-----
	4112 COMMODITIES, NEC-----	22,826	-----	-----
	TOTAL-----	211,166	-----	-----
PORT ALLEN HARBOR, KAUAI, HAWAII-----	2914 DISTILLATE FUEL OIL-----	3,565	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	82,281	-----	-----
	TOTAL-----	85,846	-----	-----
MAKE ISLAND HARBOR, MAKE ISLAND-----	2912 JET FUEL-----	1,782	-----	-----
MILLS HARBOR, MIDWAY ISLAND-----	NO COMMERCE REPORTED			

WALLA WALLA, WA, DISTRICT

COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO
KENNEWICK, WASH.SECTION INCLUDED: COLUMBIA RIVER AND TRIBUTARIES, McNARY LOCK AND DAM TO KENNEWICK, WASH. CONTROLLING DEPTH: 20 TO 92 FEET.
PROJECT DEPTH: 14 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	5,696,445	1983-----	6,410,246
1979-----	6,075,369	1984-----	6,789,785
1980-----	7,238,066	1985-----	5,235,471
1981-----	7,491,927	1986-----	5,789,534
1982-----	6,875,148	1987-----	6,423,967

* PASSENGERS--362.

FREIGHT TRAFFIC, 1987

DOMESTIC
(SHORT TONS)

COMMODITY	TOTAL	INTERNAL				
		INBOUND	OUTBOUND	DOWNBOUND	UPBOUND	THROUGH DOWNBOUND
TOTAL-----	6,423,567	670,616	1,181,620	3,602	821,008	3,746,721
0102 BARLEY AND RYE-----	642,008		102,108			539,900
0103 CORN-----	3,292	44	3,248			
0107 WHEAT-----	3,623,069	1,460	948,140			2,673,469
0111 SOYBEANS-----	216		216			
0122 HAY AND FODDER-----	1,728	368	1,075		22	263
0129 FIELD CROPS, NEC-----	52,170		4,340		23,200	24,630
0141 FRESH AND FROZEN VEGETABLES-----	19,370	59	865			18,426
0161 ANIMALS AND PRODUCTS, NEC-----	2,216		2,126			90
2015 ANIMAL BY-PRODUCTS, NEC-----	11,080		11,080			
2034 VEGETABLES AND PREP, NEC-----	13,069		195			12,874
2042 ANIMAL FEEDS-----	3,113		2,887			226
2062 MOLASSES-----	6,608				6,608	
2411 LOGS-----	42,604					42,604
2412 RAFTED LOGS-----	206,612				118,584	88,028
2413 FUEL ADDO, CHARCOAL, WASTES-----	25,368	1,258			4,000	20,110
2416 WOOD CHIPS, STAVES, MOLDINGS-----	249,656		64,172		1,600	183,884
2421 LUMBER-----	861					861
2611 PULP-----	24,194		24,194			
2631 PAPER AND PAPERBOARD-----	32,502		72			32,430
2691 PULP AND PAPER PRODUCTS, NEC-----	13,176					13,176
2819 BASIC CHEMICALS AND PROD, NEC-----	76,028	74,825			1,203	
2871 NITROGENOUS CHEM FERTILIZERS-----	47,747	6,020	14,805	3,602	21,551	1,769
2911 GASOLINE-----	520,155	197,837	1,856		246,859	73,603
2912 JET FUEL-----	45,376				45,376	
2914 DISTILLATE FUEL OIL-----	721,098	376,106			325,884	19,128
2915 RESIDUAL FUEL OIL-----	27,477	11,114			16,363	
3011 RUBBER AND MISC PLASTIC PROD-----	60				60	
3211 GLASS AND GLASS PRODUCTS-----	46	46				
3511 MACHINERY, EXCEPT ELECTRICAL-----	188	3	79		74	32
4011 IRON AND STEEL SCRAP-----	28		28			
4029 WASTE AND SCRAP, NEC-----	1,042	20	18		4	1,000
4119 EMPTY CONTAINERS-----	11,410	1,456	96		9,640	216
TOTAL TON-MILES, 249,324,730.						

SNAKE RIVER, OREG., WASH., AND IDAHO

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 3.0 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

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	3,852,302		1983-----	4,679,144	63
1979-----	4,356,735		1984-----	4,852,015	4,364
1980-----	5,063,613	865	1985-----	3,518,814	5,730
1981-----	5,335,162	1,779	1986-----	5,042,623	7,106
1982-----	5,065,328	121	1987-----	4,644,925	1,233

WALLA WALLA, WA, DISTRICT

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SNAKE RIVER, OREG., WASH., AND IDAHO--CONTINUED

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL				THROUGH	
		INBOUND	OUTBOUND	UPBOUND		UPBOUND	DOWNBOUND
TOTAL-----	4,644,925	690,255	2,676,269	9,591		111,060	1,157,750
0102 BARLEY AND RYE-----	539,906		393,369				146,531
0107 MEAT-----	2,678,929		1,960,498				714,431
0122 HAY AND FODDER-----	285	22	263				
0129 FIELD CROPS, NEC-----	47,956	258	5,402			23,032	19,228
0141 FRESH AND FROZEN VEGETABLES-----	18,426		18,426				
0161 ANIMALS AND PRODUCTS, NEC-----	90		90				
2034 VEGETABLES AND PREP, NEC-----	12,874		12,874				
2042 ANIMAL FEEDS-----	226		226				
2062 MOLASSES-----	6,608	6,608					
2411 LOGS-----	42,604		30,959				11,645
2412 RAFTED LOGS-----	206,612					88,028	118,584
2413 FUEL WOOD, CHARCOAL, WASTES-----	24,747	4,000					20,747
2416 WOOD CHIPS, STAVES, MOLDINGS-----	186,484	1,600	58,300	1,000			125,584
2421 LUMBER-----	861		861				
2631 PAPER AND PAPERBOARD-----	32,430		32,430				
2691 PULP AND PAPER PRODUCTS, NEC-----	13,176		13,176				
2819 BASIC CHEMICALS AND PROD, NEC-----	1,203	1,203					
2871 NITROGENOUS CHEM FERTILIZERS-----	34,949	32,294	1,769	886			
2911 GASOLINE-----	325,070	246,859	78,211				
2912 JET FUEL-----	45,376	45,376					
2914 DISTILLATE FUEL OIL-----	402,734	325,864	69,165	7,705			
2915 RESIDUAL FUEL OIL-----	16,363	16,363					
3011 RUBBER AND MISC PLASTIC PROD-----	60	60					
3511 MACHINERY, EXCEPT ELECTRICAL-----	106	74	32				
4029 WASTE AND SCRAP, NEC-----	1,004	4					1,000
4119 EMPTY CONTAINERS-----	9,858	9,640	218				
TOTAL TON-MILES, 400,737,880.							

Waterborne Commerce of the United States, 1987

PORTLAND, OR, DISTRICT

TOTAL WATERBORNE COMMERCE, COLUMBIA RIVER BASIN, OREG., WASH., AND IDAHO

CALENDAR YEAR 1987

(SHORT TONS)

LOCALITY	FOREIGN		DOMESTIC				TOTAL	PERCENT	THROUGH TRAFFIC*
	IMPORTS	EXPORTS	COASTWISE		INTERNAL RECEIPTS AND SHIPMENTS	LOCAL			
			RECEIPTS	SHIPMENTS					
SNAKE RIVER, OREG., WASH., AND IDAHO	-----	-----	-----	-----	3, 66,524	9,591	3,376,115	5.72	1,268,810
COLUMBIA RIVER, ALNATCHEE TO KETTLE FALLS, WASH.	-----	-----	-----	-----	206,612	-----	206,612	.35	-----
COLUMBIA RIVER AND TRIBUTARIES ABOVE MCNARY LOCK AND DAM TO KENNEWICK, WASH.	-----	-----	-----	-----	1,052,236	3,602	1,055,838	3.15	4,567,729
COLUMBIA RIVER AND TRIBUTARIES ABOVE THE DALLES DAM, WASH., AND OREG., TO MCNARY LOCK AND DAM, OREG., AND WASH.	-----	-----	-----	-----	826,398	-----	826,398	1.40	6,145,666
COLUMBIA RIVER BETWEEN VANCOUVER, WASH. AND THE DALLES, OREG.	-----	-----	5,500	11,204	1,550,312	769,046	2,336,062	3.96	6,899,924
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.	-----	-----	-----	-----	1,800,419	819,556	2,619,975	4.44	-----
OREGON SLOUGH (NORTH PORTLAND HARBOR), OREG.	597,808	612,810	26,155	228,451	550,939	-----	2,016,163	3.42	-----
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.	3,776,085	25,346,581	2,488,893	648,788	9,926,308	2,062,524	44,249,179	75.00	1,412,904
MULTNOMAH CHANNEL, OREG.	-----	-----	-----	-----	1,182,378	-----	1,182,378	2.00	-----
LAKE RIVER, WASH.	-----	-----	-----	-----	8,200	-----	8,200	.01	-----
LEWIS RIVER, WASH.	-----	-----	-----	-----	21,887	-----	21,887	.04	-----
COLLITZ RIVER, WASH.	-----	-----	-----	-----	493	-----	493	.01	-----
CLATSkanie RIVER, OREG.	-----	-----	-----	-----	-----	-----	-----	-----	-----
WESTPORT SLOUGH, OREG.	-----	-----	-----	-----	30,909	-----	30,909	.05	-----
ELOKJIN SLOUGH, WASH.	-----	-----	-----	-----	-----	-----	-----	-----	-----
SKAMOKAWA (STEAMBOAT) SLOUGH, WASH.	-----	-----	-----	-----	1	-----	1	.01	-----
SKAMOKAWA CREEK, WASH.	-----	-----	-----	-----	-----	-----	-----	-----	-----
GRAYS RIVER, WASH.	-----	-----	-----	-----	-----	-----	-----	-----	-----
DEEP RIVER, WASH.	-----	-----	-----	-----	78,301	-----	78,301	.13	-----
YOUNGS BAY AND YOUNGS RIVER, OREG.	-----	-----	-----	-----	71,563	10,817	82,380	.14	-----
SKIPANON CHANNEL, OREG.	-----	-----	-----	-----	88,285	-----	88,285	.15	-----
CHINOOK CHANNEL, WASH.	-----	-----	-----	-----	4,335	-----	4,335	.01	-----
COLUMBIA RIVER AT BAKERS BAY, WASH.	-----	-----	-----	-----	6,654	-----	6,654	.01	-----
TOTAL (UNADJUSTED)	4,373,893	25,959,391	2,520,548	888,443	21,572,754	3,675,136	58,990,165	-----	20,295,033
PERCENT (UNADJUSTED)	7.41	44.01	4.27	1.51	36.57	6.23	-----	100.00	-----
NET VOLUME OF TONNAGE FOR THE BASIN	4,373,893	25,959,391	2,520,548	888,443	10,793,250	3,675,136	48,210,661	-----	-----
PERCENT (ADJUSTED)	9.07	53.85	5.23	1.84	22.39	7.62	-----	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 ONE-HALF OF INTERNAL TRAFFIC MOVED BETWEEN THE SEPARATE WATERWAYS OF THE BASIN.

COLUMBIA RIVER ENTRANCE, OREG. AND WASH.

SECTION INCLUDED: COLUMBIA RIVER AT MOUTH, OREG. AND WASH. CONTROLLING DEPTHS: 47 FEET LEFT OUTSIDE, 45 FEET LEFT INSIDE, 43 FEET RIGHT INSIDE, AND 40 FEET RIGHT OUTSIDE, AT MEAN LOW WATER. AT CLATSOP SPIT, 44 FEET FOR LEFT QUARTER, 45 FEET CENTER OF CHANNEL, AND 42 FEET RIGHT QUARTER. PROJECT DEPTHS: 48 FEET OVER BAR.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	FOREIGN THROUGH		DOMESTIC THROUGH		TOTAL	YEAR	FOREIGN THROUGH		DOMESTIC THROUGH		TOTAL
	UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND	
1978	4,323,696	16,510,367	5,122,785	909,658	26,866,509	1983	3,655,059	20,695,740	3,513,978	1,941,579	29,806,356
1979	4,755,280	17,893,640	6,008,252	1,019,041	29,676,213	1984	3,957,792	24,515,241	3,498,755	1,459,300	33,421,088
1980	4,452,226	19,667,507	5,224,056	862,464	30,206,253	1985	3,939,639	21,312,885	2,656,424	659,655	28,568,603
1981	3,721,723	19,463,821	4,369,793	447,875	28,603,212	1986	3,758,170	20,741,258	2,932,355	655,703	28,087,486
1982	3,050,799	16,648,610	3,770,603	507,124	25,977,136	1987	2,000,801	12,372,755	3,899,740	2,420,757	21,094,053

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY
(CONSOLIDATED REPORT)

SECTION INCLUDED: MOUTH TO INTERNATIONAL BOUNDARY, A DISTANCE OF 745 MILES. CONTROLLING DEPTHS: 38 FEET OR BETTER BETWEEN MOUTH OF COLUMBIA RIVER AND MOUTH OF WILLAMETTE RIVER; 38 FEET TO LOWER TURNING BASIN, VANCOUVER, WASH.; JENEN CHANNEL DEPTHS RANGE FROM 15 TO 4 FEET. PROJECT DEPTHS: 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

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1978	37,872,172	5,852,629	43,724,801	91,601	1983	41,488,095	4,070,207	45,558,302	105,161
1979	41,189,227	5,869,843	47,059,070	117,301	1984	45,329,836	4,051,701	49,381,537	431,679
1980	42,924,434	6,254,550	49,178,984	81,363	1985	39,046,918	3,380,448	42,427,366	190,223
1981	40,995,167	4,870,819	45,865,986	81,647	1986	39,011,831	3,143,357	42,155,188	234,944
1982	37,296,858	4,568,429	41,865,287	60,851	1987	43,501,151	2,225,029	45,726,180	210,817

PORTLAND, OR, DISTRICT

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COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY
(CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1987

OCEANGUING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL-----	32,533,782	1,775,284	12,973,826	2,000,801	12,312,155	45,436	370,421	2,425,112	520,147
0101 COTTON, RAW-----	790		63		127				
0102 BARLEY AND RYE-----	1,872,123		347,113	147	1,524,863				
0103 CORN-----	4,322,249		3,423,896		398,353				
0105 RICE-----	707			143	564				
0106 SORGHUM GRAINS-----	295,127		294,507		620				
0107 WHEAT-----	10,212,981		2,018,654		8,194,317				
0111 SOYBEANS-----	373,151		371,216		1,945				
0119 OILSEEDS, NEC-----	8,618			13	8,605				
0122 HAY AND FODDER-----	164								164
0129 FIELD CROPS, NEC-----	21,555	559	1,854	563	18,574				
0131 FRESH FRUITS-----	6,449		18		3,658			2,266	507
0132 BANANAS AND PLANTAINS-----	23			23					
0133 COFFEE-----	632	277		335				20	
0141 FRESH AND FROZEN VEGETABLES-----	86,125	107	11,427	575	58,356			16	15,844
0151 LIVE ANIMALS-----	1,951		1,951						
0161 ANIMALS AND PRODUCTS, NEC-----	1,202	566	28	19	289				
0191 MISCELLANEOUS FARM PRODUCTS-----	963			956	7				
0841 CRUDE RUBBER AND ALLIED GUMS-----	705			650	55				
0861 FOREST PRODUCTS, NEC-----	977	77		31	24			152	693
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,777		10	198	1,569				
0912 SHELLFISH, EXCEPT PREPARED-----	261			11	168				82
0931 MARINE SHELLS, UNMANUFACTURED-----	29			29					
1021 COPPER ORE AND CONCENTRATES-----	87,608		74,204		8,404				
1031 ALUMINUM ORES, CONCENTRATES-----	1,360,082	1,303,506	5	56,561	10				
1091 NONFERRUGINOUS ORES, CONCENT, NEC-----	6,820			6,820					
1311 CRUDE PETROLEUM-----	247,369							221,849	25,520
1411 LIMESTONE-----	180,581			180,581					
1442 SAND, GRAVEL, CRUSHED ROCK-----	200,765			200,542					223
1451 CLAY, GRAVEL, CRUSHED ROCK-----	133,932		4,443		129,539				
1491 SALT-----	436,567	243,328		227,239					
1494 GYPSUM, CRUDE AND PLASTERS-----	22		22						
1499 NONMETALLIC MINERALS, NEC-----	56,114		20,131		35,988				
1911 ORDNANCE AND ACCESSORIES-----	34	12		32					
2011 MEAT, FRESH, CHILLED, FROZEN-----	2,952		132	608	1,865			48	297
2012 MEAT AND PRODUCTS, NEC-----	18				18				
2014 TALLOW, ANIMAL FATS AND OILS-----	6,650		551		6,109				
2015 ANIMAL BY-PRODUCTS, NEC-----	10,870		351		10,519				
2021 DAIRY PRODUCTS, NEC-----	208			201				6	1
2022 DRIED MILK AND CREAM-----	374			18	361				
2031 FISH AND SHELLFISH, PREPARED-----	8,232	19	162	270	729	7,052			
2034 VEGETABLES AND PREP, NEC-----	8,299		254	779	5,304			118	1,444
2039 PREP FRUIT AND VEG JUICE, NEC-----	17,791	204	222	934	3,134			13,187	110
2041 WHEAT FLOUR AND SEMOLINA-----	23								23
2042 ANIMAL FEEDS-----	258,027	6,138	211,044	37	24,724				16,084
2049 GRAIN MILL PRODUCTS, NEC-----	12,323		22	169	11,699				663
2061 SUGAR-----	191							181	
2062 MOLASSES-----	6,363							6,363	
2081 ALCOHOLIC BEVERAGES-----	11,889	90	20	5,754	68				5,957
2091 VEGETABLE OILS, MARK, SHORT-----	124,863	547	7	118,692	5,583				34
2094 GROCERIES-----	1,195							29	1,166
2095 ICE-----	8			8					
2099 MISCELLANEOUS FOOD PRODUCTS-----	110,486	99	72,443	1,215	35,391			39	1,249
2211 BASIC TEXTILE PRODUCTS-----	1,499	129	214	847	291				18
2311 APPAREL-----	606	11		587	10				
2411 LOGS-----	3,873,857		3,445,200		428,657				
2412 RAFTED LOGS-----	3,150					2,700	450		
2413 FUEL WOOD, CHANICAL, WASTES-----	2,447				7				2,440
2414 TIMBER, POSTS, POLES, PILING-----	4,940		2,846		230				1,864
2416 WOOD CHIPS, STAVES, MOLINGS-----	854,276		208,600		645,676				
2421 LUMBER-----	635,047	15,623	147,753	1,993	155,094			433,174	53
2431 VENEER, PLYWOOD, WORKED WOOD-----	152,615	27,963	46,389	7,513	38,363			12,965	69,752
2491 WOOD MANUFACTURES, NEC-----	28,274	3,444	2,285	1,086	16,712				21,022
2511 FURNITURE AND FIXTURES-----	2,592	67	2	1,175	40			481	4,747
2611 PULP-----	97,916		39,188		58,728				827
2621 STANDARD WEIGHMINT PAPER-----	212,126		198,012	1,569	12,229				316
2631 PAPER AND PAPERBOARD-----	145,856	13,274	46,876	4,052	62,045				19,611
2691 PULP AND PAPER PRODUCTS, NEC-----	19,074	3,254	113	102	358			9	15,258
2711 PRINTED MATTER-----	213	5		105	6				97
2810 SODIUM HYDROXIDE-----	103,028							36,512	66,516
2811 CRUDE TAN, OIL, GAS PRODUCTS-----	1,480		7	788	578			307	
2812 DYES, PIGMENT, TANNING MATS-----	1				1				
2913 ALCOHOLS-----	109,359			93,411	21	15,927			
2916 RADIOACTIVE MATERIALS, WASTES-----	78							78	
2917 BENZENE AND TOLUENE-----	63,835	58,413		5,422					
2919 BASIC CHEMICALS AND PROD, NEC-----	1,504,558	20,849	961,454	8,107	174,610	4,724	66,900	223,874	44,040
2921 PLASTIC MATERIALS-----	4,442	342	198	1,892	994				1,016
2922 SYNTHETIC RUBBER-----	52				52				
2931 DRUGS-----	283		24	18	230				6
2941 SOAP-----	4,888	1	3,307	49	1,273				258
2951 PAINTS-----	530	3	20	399	68				40
2971 VITROGENOUS CHEM FERTILIZERS-----	153,436			23,033				112,001	18,402
2972 POTASSIC CHEM FERTILIZERS-----	1,057		1,057						
2976 INSECTICIDES, DISINFECTANTS-----	819	282	3	24					510
2979 FERTILIZER AND MATERIALS, NEC-----	198			40					158
2991 MISCELLANEOUS CHEMICAL PROD-----	30,412	223	29	2,738	697			8,039	18,886
2911 GASOLINE-----	710,929	35,583		149,443		4,614	9,253	510,166	1,870
2912 JET FUEL-----	81,293			9,884				71,399	
2914 DISTILLATE FUEL OIL-----	412,051			32,762				326,895	54,394
2915 RESIDUAL FUEL OIL-----	349,390			24,713		21,068		248,322	5,291

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY
(CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

OCEANGUING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
2916 LUBRICATING OILS AND GREASES----	171,979	-----	36	-----	3	176	-----	171,764	-----
2917 NAPHTHA, PETROLEUM SOLVENTS----	6,253	-----	-----	-----	-----	-----	-----	6,253	-----
2918 ASPHALT, TARM, AND PITCHES----	224,586	14,596	-----	61,624	-----	-----	-----	148,142	224
2920 COKE, PETROLEUM COKE----	491,016	-----	461,379	-----	23,637	-----	-----	-----	-----
2921 LIQUEFIED GASES----	8,560	-----	-----	-----	28	-----	-----	-----	8,560
2951 ASPHALT BUILDING MATERIALS----	292,484	-----	-----	-----	-----	28,116	7,440	250,275	6,653
2991 PETROLEUM AND COAL PROD, NEC----	9,098	121	42	8,233	599	-----	-----	22	281
3011 RUBBER AND MISC PLASTIC PROD----	1,916	20	-----	1,461	435	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS----	10,261	-----	9,598	362	281	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS----	134,614	-----	-----	134,796	16	-----	-----	-----	-----
3241 BUILDING CEMENT----	846	18	-----	751	77	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS----	937	5	-----	759	-----	-----	-----	-----	173
3281 CUT STONE AND STONE PRODUCTS----	8,622	407	3	1,117	220	-----	-----	-----	6,875
3291 MISC NONMETALLIC MINERAL PROD----	3,703	-----	-----	-----	-----	-----	-----	-----	3,703
3312 SLAG----	14,489	-----	-----	14,478	11	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS----	217,946	27,602	1	190,248	-----	-----	-----	-----	95
3315 IRON, STEEL SHAPES, EXC SHEET----	13,222	-----	2	11,875	-----	-----	-----	-----	1,345
3316 IRON AND STEEL PLATES, SHEETS----	66,086	18,087	16	43,606	-----	-----	-----	-----	4,377
3317 IRON AND STEEL PIPE AND TUBE----	14,054	2,059	-----	11,987	8	-----	-----	-----	-----
3318 FERROALLOYS----	3,287	45	-----	3,232	10	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC----	245	22	166	101	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC----	4,984	4	4,574	294	112	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED----	2,386	-----	-----	2,206	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED----	10,709	5,873	89	319	4,428	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED----	60,582	4,913	370	45,191	944	-----	-----	102	9,062
3411 FABRICATED METAL PRODUCTS----	22,547	616	4,372	12,371	3,242	500	-----	168	1,278
3511 MACHINERY, EXCEPT ELECTRICAL----	9,375	138	259	6,873	1,996	-----	-----	-----	109
3611 ELECTRICAL MACH AND EQUIP----	280,261	4,703	300	268,712	312	-----	-----	1,798	4,436
3711 MOTOR VEHICLES, PARTS, EQUIP----	5	-----	-----	-----	5	-----	-----	-----	-----
3721 AIRCRAFT AND PARTS----	881	122	-----	552	187	-----	-----	6	14
3731 SHIPS AND BOATS----	1,161	-----	28	827	102	-----	-----	-----	204
3791 MISC TRANSPORTATION EQUIPMENT----	622	123	16	424	59	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS----	4,052	94	23	2,349	344	-----	-----	179	1,063
3911 MISC MANUFACTURED PRODUCTS----	205,557	-----	107	205,127	-----	-----	-----	323	-----
4011 IRON AND STEEL SCRAP----	30,894	-----	21,516	10	9,366	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP----	193	-----	11	-----	182	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP----	30,992	-----	1,165	-----	29,827	-----	-----	-----	-----
4023 PAPER WASTE AND SCRAP----	6	-----	-----	-----	-----	-----	-----	6	-----
4029 WASTE AND SCRAP, NEC----	113,224	18	350	310	3,104	11,235	39,734	15,235	43,238
4112 COMMODITIES, NEC----	409	-----	-----	-----	-----	-----	-----	409	-----
4119 EMPTY CONTAINERS----	156	-----	3	-----	153	-----	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI----	-----	-----	-----	-----	-----	-----	-----	-----	-----

TON-MILES, OCEANGUING, 3,054,895,431.

INTERNAL
(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
TOTAL-----	13,192,398	3,581,502	2,454,614	909,879	2,471,165	1,474,628	2,300,610
0102 BARLEY AND RYE-----	689,297	121,833	107,604	-----	36,500	-----	423,360
0103 CORN-----	8,962	44	3,246	-----	5,670	-----	-----
0107 WHEAT-----	4,125,443	1,079,447	808,630	-----	635,699	-----	1,601,267
0111 SOYBEANS-----	216	-----	216	-----	-----	-----	-----
0122 HAY AND FODDER-----	23,084	398	22,401	-----	-----	22	263
0129 FIELD CROPS, NEC-----	52,463	312	7,693	-----	-----	20,140	24,318
0141 FRESH AND FROZEN VEGETABLES-----	22,144	4,755	3,659	-----	-----	-----	13,730
0161 ANIMALS AND PRODUCTS, NEC-----	2,216	-----	2,126	-----	-----	-----	90
0911 FRESH FISH, EXCEPT SHELLFISH-----	8,474	1,926	-----	-----	-----	6,548	-----
0912 SHELLFISH, EXCEPT PREPARED-----	5,272	357	-----	-----	-----	4,935	-----
1411 LIMESTONE-----	330,000	-----	330,000	-----	-----	-----	-----
1482 SAND, GRAVEL, CRUSHED ROCK-----	635,899	124,313	8,999	-----	-----	643,561	54,026
1491 CLAY-----	5,003	5,003	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	1,000	-----	1,000	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	11,080	-----	11,080	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	13,069	2,273	195	-----	-----	-----	10,601
2042 ANIMAL FEEDS-----	3,113	-----	2,897	-----	-----	-----	226
2049 GRAIN MILL PRODUCTS, NEC-----	3,226	2,917	309	-----	-----	-----	-----
2062 MOLASSES-----	15,453	-----	-----	-----	-----	6,608	8,845
2411 LOGS-----	46,744	37,913	1,863	-----	277	-----	6,691
2412 RAFTED LOGS-----	2,221,879	392,932	248,752	794,443	715,432	69,820	-----
2413 FUEL WOOD, LUMBER, WASTE-----	87,756	31,665	4,000	3,066	47,605	-----	1,400
2416 WOOD CHIPS, STAVES, MULDINGS-----	1,620,860	579,644	5,241	63,739	967,836	-----	4,400
2421 LUMBER-----	9,833	166	266	134	-----	8,402	861
2491 WOOD MANUFACTURES, NEC-----	565	166	266	133	-----	-----	-----
2611 PULP-----	264,738	233,516	29,706	1,516	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	32,502	429	72	-----	-----	-----	32,001
2691 PULP AND PAPER PRODUCTS, NEC-----	800,450	3,269	755,867	19,176	3,770	-----	13,176
2819 BASIC CHEMICALS AND PROD, NEC-----	83,831	74,825	15,006	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	76,486	4,206	20,172	14,395	20,591	12,122	-----
2876 INSECTICIDES, DISINFECTANTS-----	82	-----	82	-----	-----	-----	-----
2911 GASOLINE-----	552,834	196,593	21,609	-----	22,711	239,618	72,303
2912 JET FUEL-----	45,376	-----	-----	-----	-----	45,376	-----
2914 DISTILLATE FUEL OIL-----	748,722	389,756	15,861	-----	13,974	310,003	14,126
2915 RESIDUAL FUEL OIL-----	389,978	276,816	595	7,735	595	96,502	7,735

PORTLAND, OR, DISTRICT

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COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY
(CONSOLIDATED REPORT)--CONTINUED

FREIGHT TRAFFIC, 1967--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
2916 LUBRICATING OILS AND GREASES-----	5,749	4,681	-----	397	5	657	9
2991 PETROLEUM AND COAL PROD, NEC-----	24,672	-----	24,672	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	107	47	-----	-----	-----	60	-----
3211 GLASS AND GLASS PRODUCTS-----	46	46	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	565	166	266	153	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	208	3	99	-----	-----	74	32
4011 IRON AND STEEL SCRAP-----	26	-----	26	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	2,442	1,020	16	-----	-----	404	1,000
4119 EMPTY CONTAINERS-----	14,123	4,663	124	12	-----	9,776	140
TON-MILES, INTERNAL, 1,813,422,522.							
TONS, ALL TRAFFIC, 45,726,180.							
TON-MILES, ALL TRAFFIC, 4,868,317,953.							

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW
VANCOUVER, WASH., AND PORTLAND, OREG.

SECTION INCLUDED: COLUMBIA RIVER FROM MOUTH TO THE MOUTH OF WILLAMETTE RIVER; WILLAMETTE RIVER FROM MOUTH TO BROADWAY BRIDGE AT PORTLAND, OREG., A DISTANCE OF 113 MILES; COLUMBIA RIVER FROM MOUTH OF WILLAMETTE RIVER TO INTERSTATE BRIDGE, VANCOUVER, WASH., 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, WASH., 38 FEET. PROJECT DEPTH: 40 FEET IN MAIN CHANNEL FROM MOUTH OF COLUMBIA RIVER TO BROADWAY BRIDGE AT PORTLAND, OREG.; 40 FEET IN COLUMBIA RIVER FROM MOUTH OF WILLAMETTE RIVER TO RAILROAD BRIDGE, VANCOUVER, WASH.; 35 FEET FROM RAILROAD BRIDGE TO INTERSTATE BRIDGE, VANCOUVER, WASH.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1976-----	59,962,712	5,091,549	45,054,261	48,878	1983-----	42,037,361	3,544,210	45,581,571	35,104
1977-----	42,124,171	5,264,395	47,388,566	69,075	1984-----	45,901,562	3,489,124	49,390,686	443,056
1980-----	43,251,649	5,694,866	48,946,515	49,531	1985-----	39,516,176	3,087,380	42,603,556	106,848
1981-----	41,779,923	4,136,724	45,916,647	41,246	1986-----	39,583,151	2,752,114	42,335,270	134,624
1982-----	37,515,291	3,908,164	41,423,455	24,394	1987-----	44,121,824	1,540,259	45,662,083	117,619

FREIGHT TRAFFIC, 1987

OCEANGUING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	THROUGH	
						UPBOUND	DOWNBOUND
TOTAL-----	32,531,657	3,776,085	25,346,581	2,488,893	648,788	31,655	239,655
0101 COTTON, RAW-----	790	-----	790	-----	-----	-----	-----
0102 BARLEY AND RYE-----	1,872,123	147	1,871,976	-----	-----	-----	-----
0103 CORN-----	4,322,249	-----	4,322,249	-----	-----	-----	-----
0105 RICE-----	707	143	564	-----	-----	-----	-----
0106 SORGHUM GRAINS-----	295,127	-----	295,127	-----	-----	-----	-----
0107 WHEAT-----	10,212,981	-----	10,212,981	-----	-----	-----	-----
0111 SOYBEANS-----	573,161	-----	573,161	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	8,618	13	8,605	-----	-----	-----	-----
0122 HAY AND FODDER-----	169	-----	-----	-----	169	-----	-----
0129 FIELD CROPS, NEC-----	21,555	1,122	20,433	-----	-----	-----	-----
0131 FRESH FRUITS-----	6,449	-----	3,676	-----	-----	2,266	507
0132 BANANAS AND PLANTAINS-----	23	23	-----	-----	-----	-----	-----
0133 COFFEE-----	632	612	-----	-----	-----	20	-----
0141 FRESH AND FROZEN VEGETABLES-----	86,125	682	64,783	-----	-----	16	15,644
0151 LIVE ANIMALS-----	1,951	-----	1,951	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	1,202	885	317	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	963	956	7	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	705	650	55	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	977	108	24	-----	-----	152	693
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,777	198	1,579	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	261	11	166	-----	-----	-----	82
0931 MARINE SHELLS, MANUFACTURED-----	29	29	-----	-----	-----	-----	-----
1021 COPPER ORE AND CONCENTRATES-----	87,608	-----	87,608	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	1,360,062	1,360,067	15	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	6,620	-----	6,620	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	247,369	-----	-----	221,849	25,520	-----	-----
1411 LIMESTONE-----	180,581	180,581	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	200,765	200,542	-----	-----	223	-----	-----
1451 CLAY-----	133,982	-----	133,982	-----	-----	-----	-----
1491 SALT-----	430,567	430,567	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	22	-----	22	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	56,119	-----	56,119	-----	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	44	44	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	2,952	608	1,997	-----	-----	88	249
2012 MEAT AND PRODUCTS, NEC-----	18	-----	-----	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	6,660	-----	6,660	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	10,870	-----	10,870	-----	-----	-----	-----

COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW
VANCOUVER, WASH., AND PORTLAND, OREG.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	THROUGH	
						UPBOUND	DOWNBOUND
2021 DAIRY PRODUCTS, NEC	208	201				6	1
2022 DRIED MILK AND CREAM	579	18	561				
2031 FISH AND SHELLFISH, PREPARED	8,252	289	891	7,052			
2034 VEGETABLES AND PREP, NEC	8,299	779	5,558			118	1,844
2039 PREP FRUIT AND VEG JUICE, NEC	17,791	1,136	3,356			13,187	110
2041 WHEAT FLOUR AND SEMOLINA	25						23
2042 ANIMAL FEEDS	258,027	6,175	255,768				16,084
2049 GRAIN MILL PRODUCTS, NEC	12,523	169	11,671		683		
2061 SUGAR	181					181	
2062 MOLASSES	6,383					6,383	
2081 ALCOHOLIC BEVERAGES	11,889	5,844	88		284		5,673
2091 VEGETABLE OILS, MARG, SHORT	124,863	119,239	5,590				34
2094 GROCERIES	1,195					29	1,166
2095 ICE	8	8					
2099 MISCELLANEOUS FOOD PRODUCTS	110,486	1,314	107,834			39	1,299
2211 BASIC TEXTILE PRODUCTS	1,499	976	505		6		12
2311 APPAREL	608	598	10				
2411 LUGS	3,673,857		3,673,857				
2412 RAFTED LUGS	3,150				450	2,700	
2413 FUEL WOOD, CHARCOAL, WASTES	2,447		7				2,440
2414 TIMBER, PULPS, POLES, PILING	4,940		3,076		1,864		
2416 WOOD CHIPS, STAVES, MOLDINGS	854,276		854,276				
2421 LUMBER	632,922	17,616	303,447		242,767	53	69,034
2431 VENEER, PLYWOOD, WORKED WOOD	152,615	35,476	83,152		14,441		19,546
2491 WOOD MANUFACTURES, NEC	28,274	4,530	18,497		1,958		2,764
2511 FURNITURE AND FIXTURES	2,592	1,242	42		36	481	791
2611 PULP	97,916		97,916				
2621 STANDARD NEWSPRINT PAPER	212,126	1,569	210,241		316		
2631 PAPER AND PAPERBOARD	143,858	17,326	108,921		1,688		17,443
2691 PULP AND PAPER PRODUCTS, NEC	19,074	3,356	471		887	9	14,351
2711 PRINTED MATTER	215	110	6				97
2810 SODIUM HYDROXIDE	103,028			36,512	66,516		
2811 CRUDE TAN, OIL, GAS PRODUCTS	1,480	788	383	307			
2812 DYES, PIGMENT, TANNING MATS	1		1				
2813 ALCOHOLS	109,359	93,411	21	15,927			
2816 RADIOACTIVE MATERIALS, WASTES	78					75	
2817 BENZENE AND TOLUENE	63,835	63,835					
2819 BASIC CHEMICALS AND PROD, NEC	1,504,558	25,956	1,136,064	225,480	105,809	3,118	5,131
2821 PLASTIC MATERIALS	4,442	2,254	1,192				1,016
2822 SYNTHETIC RUBBER	52		52				
2831 DRUGS	283	18	259				6
2841 SOAP	4,888	50	4,580				258
2851 PAINTS	330	402	88				40
2871 NITROGENOUS CHEM FERTILIZERS	153,436	23,033		112,001			18,402
2872 POTASSIC CHEM FERTILIZERS	1,057		1,057				
2876 INSECTICIDES, DISINFECTANTS	619	308	3				510
2879 FERTILIZER AND MATERIALS, NEC	198	40			158		
2891 MISCELLANEOUS CHEMICAL PROD	30,412	2,461	726	8,039	18,686		
2911 GASOLINE	710,929	185,026		514,780	11,123		
2912 JET FUEL	81,283	9,864		71,399			
2914 DISTILLATE FUEL OIL	412,051	32,762		324,895	54,394		
2915 RESIDUAL FUEL OIL	349,394	24,713		319,390	5,291		
2916 LUBRICATING OILS AND GREASES	171,474	3	212	171,764			
2917 NAPHTHA, PETROLEUM SOLVENTS	6,253			6,253			
2918 ASPHALT, TAN, AND BITUMENS	224,586	76,220		148,142			224
2920 CRUDE, PETROLEUM COKE	491,016		491,016				
2921 LIQUEFIED GASES	28		28				
2951 ASPHALT BUILDING MATERIALS	8,560				1,702		6,858
2991 PETROLEUM AND COAL PROD, NEC	292,484			278,391	14,093		
3011 RUBBER AND MISC PLASTIC PROD	9,096	3,354	441		169	22	112
3111 LEATHER AND LEATHER PRODUCTS	1,416	1,481	435				
3211 GLASS AND GLASS PRODUCTS	10,261	382	9,879				
3241 BUILDING CEMENT	134,514	134,796	16				
3251 STRUCTURAL CLAY PRODUCTS	546	769	77				
3261 CUT STONE AND STONE PRODUCTS	937	764					173
3291 MISC NONMETALLIC MINERAL PROD	6,622	1,524	223		5		6,870
3312 SLAG	3,703				240		3,463
3314 IRON AND STEEL PRIMARY FORMS	14,489	14,478	11				
3315 IRON, STEEL SHAPES, EXC SHEET	217,946	217,850	1		95		
3316 IRON AND STEEL PLATES, SHEETS	13,222	11,875	2				1,345
3317 IRON AND STEEL PIPE AND TUBE	66,056	61,693	10		597		5,780
3318 FERROALLOYS	14,054	14,046	8				
3319 IRON AND STEEL PRODUCTS, NEC	3,287	3,277	10				
3321 NONFERROUS METALS, NEC	474	351	123				
3322 COPPER ALLOYS, UNWORKED	4,984	298	4,686				
3323 LEAD AND ZINC, UNWORKED	2,366	2,366					
3324 ALUMINUM AND ALLOYS, UNWORKED	10,709	6,192	4,517				
3411 FABRICATED METAL PRODUCTS	60,582	50,104	1,314		161	102	6,901
3511 MACHINERY, EXCEPT ELECTRICAL	22,547	12,907	7,614		768		1,610
3611 ELECTRICAL MACH AND EQUIP	4,375	7,011	2,255		2		107
3711 MOTOR VEHICLES, PARTS, EQUIP	260,261	273,415	612	425	102	1,373	4,334
3721 AIRCRAFT AND PARTS	5		5				
3731 SHIPS AND BOATS	881	674	187			6	14
3791 MISC TRANSPORTATION EQUIPMENT	1,161	827	150		190		8
3811 INSTR, TIME, PHOTO, OPT GOODS	622	547	75				
3911 MISC MANUFACTURED PRODUCTS	4,052	2,443	367		6	173	1,063
4011 IRON AND STEEL SCRAP	205,357		205,234			323	
4012 NONFERROUS METAL SCRAP	30,694	10	50,684				
4022 TEXTILE WASTE, SCRAP, SHEEP	193		193				
4024 PAPER WASTE AND SCRAP	30,992		30,992				
4029 WASTE AND SCRAP, NEC	6					6	

PORTLAND, OR, DISTRICT

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COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW
VANCOUVER, WASH., AND PORTLAND, OREG.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

OCEANGUING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	UPBOUND	THROUGH DOWNBOUND
4112 COMMODITIES, VEC-----	113,224	328	3,454	26,281	77,409	169	5,563
4119 EMPTY CONTAINERS-----	409					409	
9999 DEPARTMENT OF DEFENSE AND SCI-----	156		156				
TON-MILES, OCEANGUING, 3,054,691,975.							

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	UPBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
TOTAL-----	13,130,426	8,108,469	1,817,839	1,436,655	625,869	890,159	251,435
0102 BARLEY AND RYE-----	689,297	679,344			9,953		
0103 CORN-----	8,962	5,670				44	3,248
0107 WHEAT-----	4,126,534	4,097,833		17,925	5,224		5,552
0111 SOYBEANS-----	216						216
0122 HAY AND FODDER-----	23,084					420	22,664
0129 FIELD CROPS, VEC-----	51,575	3,167	3,156			19,384	25,884
0141 FRESH AND FROZEN VEGETABLES-----	22,144	6,854				59	15,231
0161 ANIMALS AND PRODUCTS, VEC-----	2,216						2,216
0911 FRESH FISH, EXCEPT SHELLFISH-----	8,474	1,156				7,318	
0912 SHELLFISH, EXCEPT PREPARED-----	5,272	333				4,939	
1411 Limestone-----	330,000			330,000			
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,309,249	530,295	59,700			679,029	60,225
1451 CLAY-----	11,522		11,522				
1499 NONMETALLIC MINERALS, VEC-----	1,000		1,000				
2015 ANIMAL BY-PRODUCTS, VEC-----	11,080						11,080
2034 VEGETABLES AND PREP, VEC-----	13,069	12,028					1,041
2042 ANIMAL FEEDS-----	3,113						3,113
2049 GRAIN MILL PRODUCTS, VEC-----	14,467		14,468				309
2062 MOLASSES-----	13,453	3,843				6,608	
2411 LOGS-----	33,767	30,762	1,500		500		1,205
2412 RAFTED LOGS-----	1,537,109	547,756	114,507	429,581	556,124	37,087	52,054
2413 FUEL WOOD, CHARCOAL, WASTES-----	76,476	71,246	2,845			2,587	
2416 WOOD CHIPS, STAVES, WOODINGS-----	1,430,845	1,250,076	35,411	29,328		117,029	
2421 LUMBER-----	9,699	8,430				168	1,101
2491 WOOD MANUFACTURES, VEC-----	432					166	266
2611 PULP-----	336,979	225,194	111,326	459			
2631 PAPER AND PAPERBOARD-----	32,502	429					32,073
2691 PULP AND PAPER PRODUCTS, VEC-----	913,731	530,461	62,788	302,205	4,730	371	13,176
2819 BASIC CHEMICALS AND PROD, VEC-----	88,628		74,825	13,803			
2871 NITROGENOUS CHEM FERTILIZERS-----	49,121	3,001	23,420	10,947	11,703		
2876 INSECTICIDES, DISINFECTANTS-----	52						82
2911 GASOLINE-----	599,036	75,459	440,088	70,977	12,512		
2912 JET FUEL-----	47,025		45,376	1,647			
2914 DISTILLATE FUEL OIL-----	726,597	19,126	653,667	53,506	20,488		
2915 RESIDUAL FUEL OIL-----	487,044		115,446	170,613	201,685		
2916 LUBRICATING OILS AND GREASES-----	6,358		666	2,742	2,950		
2991 PETROLEUM AND COAL PROD, VEC-----	24,672			24,672			
3011 RUBBER AND MISC PLASTIC PROD-----	107					107	
3211 GLASS AND GLASS PRODUCTS-----	46					46	
3291 MISC NONMETALLIC MINERAL PROD-----	432					166	266
3511 MACHINERY, EXCEPT ELECTRICAL-----	208					77	131
4011 IRON AND STEEL SCRAP-----	28						28
4029 WASTE AND SCRAP, VEC-----	67,242	1,000	64,800			1,424	16
4119 EMPTY CONTAINERS-----	14,641		1,038			13,331	272
TON-MILES, INTERNAL, 275,800,331.							
TONS, ALL TRAFFIC, 45,662,083.							
TON-MILES, ALL TRAFFIC, 3,330,506,306.							

PORT OF ASTORIA, OREG.

SECTION INCLUDED: (STATISTICS FOR THAT SECTION OF THE PORT WITH FRONTAGE ON THE COLUMBIA RIVER ARE ALSO INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG., AND STATISTICS FOR PORTION OF PORT WITH FRONTAGE ON YOUNGS BAY ARE ALSO INCLUDED IN STATISTICS FOR YOUNGS BAY AND YOUNGS RIVER, OREG.) CONTROLLING DEPTH: 38 FEET IN COLUMBIA RIVER AND 9 FEET IN YOUNGS BAY. PROJECT DEPTH: 40 FEET IN COLUMBIA RIVER AND 14 FEET IN YOUNGS BAY.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1978-----	1,379,259	951,403	2,330,662	-----	1983-----	1,122,757	538,195	1,660,952	-----
1979-----	1,507,280	929,857	2,437,137	752	1984-----	1,625,278	506,587	2,131,865	3,369
1980-----	1,585,869	871,316	2,457,185	370	1985-----	1,178,786	492,046	1,670,832	3,961
1981-----	1,434,549	598,963	2,033,492	468	1986-----	936,455	200,870	1,137,325	3,298
1982-----	1,272,911	634,601	1,907,512	178	1987-----	1,082,155	157,675	1,239,830	3,654

PORT OF ASTORIA, OREG.-CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL SHIPMENTS	
TOTAL-----	1,239,830	20,124	492,374	12,013	55,338	216,557
0103 CORN-----	76,969		76,969			
0107 WHEAT-----	22,045		22,045			
0129 FIELD CROPS, NEC-----	126		126			
0133 COFFEE-----	220	220				
0141 FRESH AND FROZEN VEGETABLES-----	19		19			
1411 LIMESTONE-----	330,000					330,000
1442 SAND, GRAVEL, CRUSHED ROCK-----	24,060					24,060
2031 FISH AND SHELLFISH, PREPARED-----	7,052			7,052		
2039 PREP FRUIT AND VEG JUICE, NEC-----	56		56			
2099 MISCELLANEOUS FOOD PRODUCTS-----	74		74			
2311 APPAREL-----	3	3				
2411 LOGS-----	388,313		388,217			2,096
2412 RAFTED LOGS-----	157,675					99,797
2421 LUMBER-----	34,056		2,232			31,824
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,902					1,902
2611 PULP-----	1,516					1,516
2621 STANDARD NEWSPRINT PAPER-----	539		539			
2631 PAPER AND PAPERBOARD-----	12,100	11,583	517			
2691 PULP AND PAPER PRODUCTS, NEC-----	17,346	3,235				14,111
2819 BASIC CHEMICALS AND PROD, NEC-----	14,931		150			998
2821 PLASTIC MATERIALS-----	90		90			
2831 DRUGS-----	16		16			
2841 SOAP-----	3,307		3,307			
2871 NITROGENOUS CHEM FERTILIZERS-----	9,498					9,498
2914 DISTILLATE FUEL OIL-----	20,468					20,468
2915 RESIDUAL FUEL OIL-----	73,257			4,961		59,966
2916 LUBRICATING OILS AND GREASES-----	652					652
2991 PETROLEUM AND LUAL PROD, NEC-----	17,786					17,786
3011 RUBBER AND MISC PLASTIC PROD-----	22		22			
3291 MISC NONMETALLIC MINERAL PROD-----	353	353				
3315 IRON, STEEL SHAPES, EXC SHEET-----	110		110			
3317 IRON AND STEEL PIPE AND TUBE-----	93		93			
3324 ALUMINUM AND ALLOYS, UNWORKED-----	4,526	4,526				
3411 FABRICATED METAL PRODUCTS-----	1		1			
3511 MACHINERY, EXCEPT ELECTRICAL-----	500					500
3611 ELECTRICAL MACH AND EQUIP-----	15		15			
4112 COMMODITIES, NEC-----	20,114				20,114	

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

SECTION INCLUDED: (INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.)
PORTS INCLUDED: BRADABODD, KAUNA, BEAVER POINT, HAINIER AND PRESCOTT, OREG. AND Knappton, WASH. CONTROLLING DEPTH: 38 FEET. PROJECT
DEPTH: 40 FEET AT LOW WATER IN MAIN CHANNEL.

LUMPNATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	1,065,682	223,410	1,289,092	1983-----	930,629	224,167	1,154,796
1979-----	1,332,426	220,773	1,553,199	1984-----	807,425	183,274	990,304
1980-----	923,095	425,052	1,248,147	1985-----	821,638	125,288	946,926
1981-----	961,164	225,314	1,186,478	1986-----	824,396	96,954	921,350
1982-----	887,524	278,278	1,165,802	1987-----	840,560	34,962	880,522

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	880,522	1,645	517,706	361,171	
1442 SAND, GRAVEL, CRUSHED ROCK-----	22,906		22,906		
2411 LOGS-----	1,300		1,300		
2412 RAFTED LOGS-----	34,962		26,061		13,901
2413 FUEL WOOD, COMMERCIAL, WASTES-----	34,525		34,525		
2416 WOOD CHIPS, STAVES, MULDINGS-----	402,705		402,705		
2611 PULP-----	5,971		459		5,512
2691 PULP AND PAPER PRODUCTS, NEC-----	357,741		15,983		341,758
2915 RESIDUAL FUEL OIL-----	15,131	1,645	13,486		
2916 LUBRICATING OILS AND GREASES-----	281		281		

PORTLAND, OR, DISTRICT

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PORT OF LONGVIEW, WASH.

SECTION INCLUDED: (INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OR.)
 CONTROLLING DEPTH: 37 FEET IN CHANNEL AND 38 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

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1978-----	7,423,913	948,782	8,372,695	-----	1983-----	8,407,786	1,036,185	9,443,971	-----
1979-----	8,959,661	1,540,409	8,500,070	-----	1984-----	8,366,676	1,035,182	9,401,858	1,230
1980-----	8,543,000	1,413,229	9,956,229	-----	1985-----	7,548,410	900,745	8,449,155	335
1981-----	8,515,266	1,140,750	9,656,016	-----	1986-----	9,173,659	1,134,163	10,312,822	-----
1982-----	7,525,139	1,234,991	8,760,130	-----	1987-----	7,443,451	638,821	8,082,272	583

* PASSENGERS--583.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	8,082,272	698,155	5,096,849	53,813	193,730	1,428,744	348,094	62,837
0101 COTTON, RAW-----	63			63				
0103 CORN-----	181,837		181,837					
0106 SOYBEAN GRAINS-----	58,368		58,368					
0107 WHEAT-----	177,105		17,857			159,248		
0129 FIELD CROPS, NEC-----	3,550	356	482			312	2,400	
0141 FRESH AND FROZEN VEGETABLES-----	335		335					
0161 ANIMALS AND PRODUCTS, NEC-----	28		28					
0911 FRESH FISH, EXCEPT SHELLFISH-----	166		10			176		
0912 SHELLFISH, EXCEPT PREPARED-----	1					1		
1021 COPPER ORE AND CONCENTRATES-----	12,125		12,125					
1051 ALUMINUM ORES, CONCENTRATES-----	652,918	652,918						
1451 CLAY-----	4,443		4,443					
1491 SALT-----	203,328	203,328						
1499 GYPSUM, CRUDE AND PLASTERS-----	22		22					
1499 NONMETALLIC MINERALS, NEC-----	20,007		20,007					
1911 ADVANCE AND ACCESSORIES-----	12	12						
2011 MEAT, FRESH, CHILLED, FROZEN-----	132		132					
2015 ANIMAL BY-PRODUCTS, NEC-----	351		351					
2031 FISH AND SHELLFISH, PREPARED-----	142		142					
2034 VEGETABLES AND PREP, NEC-----	51		51					
2039 PREP FRUIT AND VEG JUICE, NEC-----	100		100					
2042 ANIMAL FEEDS-----	184,699		184,699					
2081 ALCOHOLIC BEVERAGES-----	100		20					
2099 MISCELLANEOUS FOOD PRODUCTS-----	72,257		80	72,177				
2211 BASIC TEXTILE PRODUCTS-----	44		44					
2411 LOGS-----	2,742,710		2,735,080			7,630		
2412 RAFTED LOGS-----	638,821					239,168	337,816	61,837
2413 FUEL OIL, CHARCOAL, WASTES-----	35,721					35,721		
2414 TIMBER, POSTS, POLES, PILING-----	1,246		1,246					
2416 WOOD CHIPS, STAVES, MOLDINGS-----	1,076,260		208,600			866,660		1,000
2421 LUMBER-----	147,849		57,969		89,880			
2431 VENEER, PLYWOOD, WORKED WOOD-----	40,360	263	29,034		11,063			
2491 WOOD MANUFACTURES, NEC-----	126	106	20					
2511 FURNITURE AND FIXTURES-----	3	1	2					
2611 PULP-----	31,624		31,624					
2621 STANDARD NEWSPRINT PAPER-----	128,717		128,717					
2631 PAPER AND PAPERBOARD-----	34,574		34,574					
2691 PULP AND PAPER PRODUCTS, NEC-----	16	2	14					
2711 PRINTED MATTER-----	3	3						
2819 BASIC CHEMICALS AND PROD, NEC-----	942,270	16,702	909,666		65,902			
2821 PLASTIC MATERIALS-----	335	275	60					
2831 DRUGS-----	10		10					
2841 SOAP-----	1	1						
2851 PAINTS-----	3	3						
2871 NITROGENOUS CHEM FERTILIZERS-----	5,206					5,206		
2872 POTASSIC CHEM FERTILIZERS-----	1,002		1,002					
2876 INSECTICIDES, DISINFECTANTS-----	283	282	1					
2891 MISCELLANEOUS CHEMICAL PROD-----	227	223	4					
2915 RESIDUAL FUEL OIL-----	128,211			14,462		113,154	595	
2916 LUBRICATING OILS AND GREASES-----	1,915					1,518	397	
2918 ASPHALT, TAR, AND BITUMENS-----	14,596	14,596						
2920 COKE, PETROLEUM COKE-----	395,524		395,524					
2991 PETROLEUM AND COAL PROD, NEC-----	42,442			28,116	7,440		6,886	
3011 RUBBER AND MISC PLASTIC PROD-----	103	103						
3111 LEATHER AND LEATHER PRODUCTS-----	19	19						
3211 GLASS AND GLASS PRODUCTS-----	9,538		9,538					
3291 MISC NONMETALLIC MINERAL PROD-----	54	54						
3315 IRON, STEEL SHAPES, EXC SHEET-----	3,371	3,371						
3317 IRON AND STEEL PIPE AND TUBE-----	1,648	1,648						
3318 FERROALLOYS-----	2,000	2,000						
3319 IRON AND STEEL PRODUCTS, NEC-----	20	20						
3321 NONFERROUS METALS, NEC-----	102	102						
3322 COPPER ALLOYS, UNWORKED-----	4	4						
3323 LEAD AND ZINC, UNWORKED-----	180	180						
3324 ALUMINUM AND ALLOYS, UNWORKED-----	15		15					
3411 FABRICATED METAL PRODUCTS-----	543	533	10					
3511 MACHINERY, EXCEPT ELECTRICAL-----	473	274	199					
3611 ELECTRICAL MACH AND EQUIP-----	283	130	153					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	292	233	59					
3731 SHIPS AND BOATS-----	9	9						
3791 MISC TRANSPORTATION EQUIPMENT-----	22		22					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	130	123	7					

Waterborne Commerce of the United States, 1987

PORT OF LONGVIEW, WASH.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3911 MISC MANUFACTURED PRODUCTS-----	73	73	-----	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	20	-----	20	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	42	-----	42	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	271	-----	271	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	30,781	4	97	11,235	19,445	-----	-----	-----

PORT OF KALAMA, WASH.

SECTION INCLUDED: (INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.)
CONTROLLING DEPTH: 38 FEET. PROJECT DEPTH: 40 FEET AT LOW WATER.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	854,474	167,749	1,013,223	1983-----	1,599,823	90,934	1,690,757
1979-----	977,274	164,573	1,141,851	1984-----	5,370,724	59,688	5,430,412
1980-----	1,311,370	154,322	1,465,692	1985-----	4,401,401	50,303	4,451,704
1981-----	1,521,654	136,792	1,658,446	1986-----	2,007,042	36,821	2,043,863
1982-----	1,382,369	106,403	1,488,792	1987-----	6,291,732	34,435	6,326,167

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	6,326,167	59,075	5,804,971	85,071	339,910	37,140
0102 BARLEY AND RYE-----	494,616	-----	347,113	-----	147,503	-----
0103 CORN-----	3,670,698	-----	3,665,028	-----	5,670	-----
0106 SORGHUM GRAINS-----	236,119	-----	236,119	-----	-----	-----
0107 WHEAT-----	838,618	-----	657,178	-----	172,251	9,189
0111 SOYBEANS-----	371,216	-----	371,216	-----	-----	-----
0129 FIELD CROPS, NEC-----	15	-----	15	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	107	107	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	551	-----	551	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	10	-----	10	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	547	547	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	30	-----	30	-----	-----	-----
2311 APPAREL-----	8	8	-----	-----	-----	-----
2411 LOGS-----	323,194	-----	323,194	-----	-----	-----
2412 RAFTED LOGS-----	34,435	-----	-----	-----	6,484	27,951
2414 TIMBER, POSTS, POLES, PILING-----	1,102	-----	1,102	-----	-----	-----
2421 LUMBER-----	100,175	-----	15,104	85,071	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	7,051	-----	7,051	-----	-----	-----
2611 PULP-----	3,494	-----	3,494	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	68,664	-----	68,664	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	576	-----	576	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	16	-----	16	-----	-----	-----
2817 BENZENE AND TOLUENE-----	58,413	58,413	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	50,074	-----	50,074	-----	-----	-----
2821 PLASTIC MATERIALS-----	45	-----	45	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	7,156	-----	-----	-----	7,156	-----
2916 LUBRICATING OILS AND GREASES-----	844	-----	-----	-----	844	-----
2920 COKE, PETROLEUM COKE-----	57,964	-----	57,964	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	5	-----	5	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	228	-----	228	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	2	-----	2	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	69	-----	69	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	4	-----	4	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	6	-----	6	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	87	-----	87	-----	-----	-----
4112 COMMODITIES, NEC-----	26	-----	26	-----	-----	-----

PORTLAND, OR, DISTRICT

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MULTNOMAH CHANNEL, OREG.

SECTION INCLUDED: A SIDE CHANNEL FROM THE WILLAMETTE RIVER NEAR PORTLAND, OREG., TO THE COLUMBIA RIVER NEAR ST. HELENS, OREG., A DISTANCE OF ABOUT 22 MILES. CONTROLLING DEPTH: 18 FEET IN A 300-FOOT CHANNEL AT NORTH END; 14.5 TO 21 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 7,500 FEET LONG AT THE WILLAMETTE RIVER END.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	1,556,217	584,880	2,241,097	1983-----	1,422,424	528,676	1,951,100
1979-----	1,346,658	756,553	2,103,211	1984-----	1,444,756	375,793	1,820,549
1980-----	1,120,079	770,197	1,890,276	1985-----	1,173,828	373,846	1,547,674
1981-----	1,251,192	435,267	1,686,459	1986-----	1,036,915	353,003	1,389,918
1982-----	1,079,191	521,972	1,601,163	1987-----	966,356	216,022	1,182,378

* PASSENGERS--6,031.

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL	
		INBOUND	OUTBOUND
TOTAL-----	1,182,378	134,079	1,048,299
1442 SAND, GRAVEL, CRUSHED ROCK-----	124,577		124,577
1499 NONMETALLIC MINERALS, NEC-----	500	500	
2411 LOGS-----	2,005	1,205	800
2412 RAFTED LOGS-----	216,022	123,635	92,387
2413 FUEL WOOD, CHARCOAL, WASTES-----	2,400	400	2,000
2416 WOOD CHIPS, STAVES, MULDINGS-----	27,535		27,535
2611 PULP-----	201,600		201,600
2915 RESIDUAL FUEL OIL-----	8,330	8,330	
2916 LUBRICATING OILS AND GREASES-----	9	9	
TOTAL TON-MILES, 7,342,054.			

OREGON SLOUGH (NORTH PORTLAND HARBOR), OREG.

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: 11 FEET. PROJECT DEPTH: 20 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	312,064	202,311	514,375	1983-----	861,292	1,435	862,727
1979-----	329,216	60,913	390,129	1984-----	880,179	2,720	882,899
1980-----	306,665	20,805	327,470	1985-----	730,519	3,084	733,603
1981-----	692,650	17,726	710,376	1986-----	631,713		631,713
1982-----	667,232	1,966	669,198	1987-----	2,016,163		2,016,163

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND
TOTAL-----	2,016,163	597,808	612,810	26,155	228,451	471,227	79,712
0101 COTTON, RAW-----	1,549		1,549				
0102 BARLEY AND RYE-----	16		16				
0103 CORN-----	5,411		2,119			3,298	44
0105 RICE-----	481	481					
0107 MEAT-----	5,571		19			5,552	
0111 SOYBEANS-----	1,594		1,378			216	
0119 OILSEEDS, NEC-----	4,615		4,615				
0122 HAY AND FODDER-----	23,084					22,664	420
0129 FIELD CROPS, NEC-----	60,006	22	15,424			25,976	19,384
0131 FRESH FRUITS-----	8,566		5,793	2,266	507		
0133 COFFEE-----	247	226	1	20			
0141 FRESH AND FROZEN VEGETABLES-----	97,107	1,406	64,751	16	15,644	15,231	59
0151 LIVE ANIMALS-----	656		656				
0161 ANIMALS AND PRODUCTS, NEC-----	3,139	89	834			2,216	
0191 MISCELLANEOUS FARM PRODUCTS-----	256	240	16				
0841 CRUDE RUBBER AND ALLIED GUMS-----	550	524	26				
0861 FOREST PRODUCTS, NEC-----	1,062	172	45	152	643		
0911 FRESH FISH, EXCEPT SHELLFISH-----	2,184	267	1,917				
0912 SHELLFISH, EXCEPT PRAWNS-----	116	6	28		82		
0911 MARINE SHELLS, UNMANUFACTURED-----	101	12	89				
1011 IRON ORE AND CONCENTRATES-----	25,040	25,040					
1091 NONFERROUS ORES, CONCENT, NEC-----	2,756	2,756					
1311 CRUDE PETROLEUM-----	261,949	261,949					

OREGON SLOUGH (NORTH PORTLAND HARBOR), OREG.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND
1442 SAND, GRAVEL, CRUSHED ROCK-----	282,607	97	1,007	-----	-----	252,236	29,267
1451 CLAY-----	198	20	178	-----	-----	-----	-----
1491 SALT-----	49	49	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	120	-----	120	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	625	1	622	-----	-----	-----	-----
1911 OMDNANCE AND ACCESSORIES-----	13	13	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	5,338	-----	5,191	48	299	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	61	4	57	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	32,323	-----	21,243	-----	-----	11,080	-----
2021 DAIRY PRODUCTS, NEC-----	95	32	58	6	1	-----	-----
2022 DRIED MILK AND CREAM-----	338	-----	338	-----	-----	-----	-----
2031 FISH AND SMELFISH, PREPARED-----	1,032	225	807	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	15,097	900	11,194	118	1,844	1,041	-----
2039 PHEP FRUIT AND VEG JUICE, NEC-----	18,697	750	4,670	13,187	110	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	23	-----	-----	-----	23	-----	-----
2042 ANIMAL FEEDS-----	79,805	5	60,603	-----	16,084	3,113	-----
2049 GRAIN MILL PRODUCTS, NEC-----	8,995	235	8,451	-----	-----	309	-----
2061 SUGAR-----	181	-----	-----	181	-----	-----	-----
2062 MOLLASSES-----	21,836	-----	-----	6,383	-----	-----	15,453
2081 ALCOHOLIC BEVERAGES-----	8,863	1,762	1,428	-----	5,673	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	291	68	189	-----	34	-----	-----
2094 GROCERIES-----	1,195	-----	-----	29	1,166	-----	-----
2095 ICE-----	84	84	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	32,280	935	30,007	39	1,299	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	1,952	1,866	74	-----	12	-----	-----
2212 TEXTILE FIBERS, NEC-----	135	135	-----	-----	-----	-----	-----
2311 APPAREL-----	1,768	1,624	144	-----	-----	-----	-----
2411 LOGS-----	4,871	-----	4,871	-----	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	2,306	66	-----	-----	2,440	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	39	-----	39	-----	-----	-----	-----
2421 LUMBER-----	190,471	146	151,168	53	57,835	1,101	168
2431 VENEER, PLYWOOD, WORKED WOOD-----	24,584	867	4,171	-----	19,546	-----	-----
2491 WOOD MANUFACTURES, NEC-----	20,624	812	16,591	-----	2,789	266	166
2511 FURNITURE AND FIXTURES-----	4,294	2,965	57	481	571	-----	-----
2611 PULP-----	6,520	-----	6,520	-----	-----	-----	-----
2621 STAYBOARD NEWSPRINT PAPER-----	801	-----	801	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	162,327	3,319	108,492	-----	17,943	32,073	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	28,246	248	462	4	14,351	13,176	-----
2711 PRINTED MATTER-----	689	318	274	-----	97	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	2,329	262	2,067	-----	-----	-----	-----
2813 ALCOHOLS-----	26	4	22	-----	-----	-----	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	78	-----	-----	78	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	13,297	1,612	6,236	318	5,151	-----	-----
2821 PLASTIC MATERIALS-----	8,089	4,955	2,118	-----	1,016	-----	-----
2822 SYNTHETIC RUBBER-----	25	1	24	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	72	67	5	-----	-----	-----	-----
2831 DRUGS-----	201	7	188	-----	6	-----	-----
2841 SOAP-----	561	56	247	-----	258	-----	-----
2851 PAINTS-----	961	659	262	-----	40	-----	-----
2861 GUM AND WOOD CHEMICALS-----	2	-----	2	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	18,402	-----	-----	-----	18,402	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	592	-----	-----	-----	510	82	-----
2879 FERTILIZER AND MATERIALS, NEC-----	19	19	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	709	140	569	-----	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	80,139	-----	-----	-----	-----	80,139	-----
2916 LUBRICATING OILS AND GREASES-----	980	1	322	-----	-----	657	-----
2918 ASPHALT, TAR, AND PITCHES-----	11,247	11,023	-----	-----	224	-----	-----
2921 LIQUEFIED GASES-----	28	-----	28	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	6,902	-----	48	-----	6,858	-----	-----
3011 RUBBER AND MISL PLASTIC PROD-----	15,343	14,443	659	22	112	-----	107
3111 LEATHER AND LEATHER PRODUCTS-----	4,023	3,301	642	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	8,588	788	7,754	-----	-----	-----	46
3241 BUILDING CEMENT-----	5	-----	5	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	1,837	596	1,241	-----	-----	-----	-----
3261 CUT STONE AND STONE PRODUCTS-----	307	131	3	-----	173	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	9,094	1,090	702	-----	6,870	266	166
3312 SLAG-----	3,463	-----	-----	-----	3,463	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	8,181	8,171	10	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	1,414	-----	69	-----	1,345	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	4,176	284	112	-----	3,780	-----	-----
3318 FERROALLOYS-----	2	-----	2	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	3,025	2,995	30	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	81	47	34	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	400	68	332	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	573	571	2	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,526	7	2,519	-----	8,901	-----	-----
3411 FABRICATED METAL PRODUCTS-----	31,511	21,286	1,222	102	8,901	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	17,825	13,443	2,996	168	1,010	151	77
3611 ELECTRICAL MACH AND EQUIP-----	16,465	10,503	5,855	-----	107	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	188,369	182,095	767	1,373	4,334	-----	-----
3721 AIRCRAFT AND PARTS-----	3	1	2	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	1,051	815	216	6	14	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	84	-----	76	-----	6	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	891	771	120	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	8,147	6,428	483	173	1,063	-----	-----
4011 IRON AND STEEL SCRAP-----	4,951	-----	4,580	323	-----	28	-----
4012 NONFERROUS METAL SCRAP-----	9,861	-----	9,861	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, WEEP-----	59	20	49	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	40,279	-----	40,279	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	1,048	-----	-----	6	-----	18	1,024
4112 COMMODITIES, NEC-----	8,532	358	2,422	189	5,563	-----	-----
4119 EMPTY CONTAINERS-----	14,148	-----	-----	409	-----	408	13,331
9999 DEPARTMENT OF DEFENSE AND SCI-----	25	-----	25	-----	-----	-----	-----

PORTLAND, OR, DISTRICT

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PORT OF VANCOUVER, WASH.

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, WASH., AND PORTLAND, OREG., AND STATISTICS FOR SECTION ABOVE INTERSTATE BRIDGE ARE ALSO INCLUDED IN STATISTICS FOR COLUMBIA RIVER FROM VANCOUVER, WASH., TO THE JALLES, OREG.) CONTROLLING DEPTH: 26 FEET AT LOW WATER FOR THAT SECTION OF THE PORT BELOW RAILROAD BRIDGE AND 15 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

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	2,941,674	273,103	3,214,782	1983-----	2,960,929	47,642	3,008,571
1979-----	3,041,547	184,985	3,226,532	1984-----	3,389,375	66,594	3,455,974
1980-----	2,779,893	151,559	2,931,452	1985-----	5,279,180	50,675	5,329,855
1981-----	2,640,455	115,153	2,755,608	1986-----	2,802,061	50,594	2,852,655
1982-----	2,668,608	63,967	2,732,575	1987-----	4,246,720	26,409	4,273,129

* PASSENGERS--12,259.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	4,273,129	797,930	1,579,652	25,265	24,628	1,731,120	116,554
0102 BARLEY AND RYE-----	15,490					10,850	4,660
0103 CORN-----	62		62				
0107 MEAT-----	2,709,395		1,321,564			1,382,587	3,224
0129 FIELD CROPS, NEC-----	1,434	203	1,231				
0131 FRESH FRUITS-----	18		18				
0133 COFFEE-----	57		57				
0141 FRESH AND FROZEN VEGETABLES-----	15,769		11,073			4,696	
0151 LIVE ANIMALS-----	1,951		1,951				
0161 ANIMALS AND PRODUCTS, NEC-----	666	666					
0861 FOREST PRODUCTS, NEC-----	77	77					
0911 FRESH FISH, EXCEPT SHELLFISH-----	814					814	
0912 SHELLFISH, EXCEPT PREPARED-----	332					332	
1021 COPPER ORE AND CONCENTRATES-----	67,079		67,079				
1051 ALUMINUM ORES, CONCENTRATES-----	650,593	650,588	5				
1499 NONMETALLIC MINERALS, NEC-----	124		124				
2031 FISH AND SHELLFISH, PREPARED-----	39	19	20				
2034 VEGETABLES AND PREP, NEC-----	2,466		193			2,273	
2039 PREP FRUIT AND VEG JUICE, NEC-----	270	204	66				
2042 ANIMAL FEEDS-----	32,483	6,136	26,345				
2049 GRAIN MILL PRODUCTS, NEC-----	22		22				
2081 ALCOHOLIC BEVERAGES-----	10	10					
2091 VEGETABLE OILS, MARG, SHORT-----	7		7				
2099 MISCELLANEOUS FOOD PRODUCTS-----	181	19	162				
2211 BASIC TEXTILE PRODUCTS-----	294	85	214				
2411 LOGS-----	9,677		709			8,968	
2412 RAFTED LOGS-----	28,409					5,436	22,973
2414 TIMBER, POSTS, POLES, PILING-----	498		498				
2421 LUMBER-----	103,271	15,623	72,448		15,200		
2431 VENEER, PLYWOOD, WORKED WOOD-----	38,204	27,700	10,504				
2491 WOOD MANUFACTURES, NEC-----	5,603	3,338	2,265				
2511 FURNITURE AND FIXTURES-----	66		66				
2611 PULP-----	205,070		4,070			201,000	
2621 STAYDAND NEWSPRINT PAPER-----	92		92				
2631 PAPER AND PAPERBOARD-----	15,329	1,691	11,209			429	
2691 PULP AND PAPER PRODUCTS, NEC-----	100	17	83				
2711 PRINTED MATTER-----	2	2					
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	7		7				
2813 ALCOHOLS-----	15,927		15,927				
2819 BASIC CHEMICALS AND PROD, NEC-----	11,658	4,147	1,584	4,724			1,203
2821 PLASTIC MATERIALS-----	70	67	3				
2851 DRUGS-----	3		3				
2851 PAINTS-----	20		20				
2871 NITROGENOUS CHEM FERTILIZERS-----	30,056					19,866	10,190
2872 POTASSIC CHEM FERTILIZERS-----	55		55				
2876 INSECTICIDES, DISINFECTANTS-----	2		2				
2891 MISCELLANEOUS CHEMICAL PROD-----	25		25				
2911 GASOLINE-----	113,581	35,583		4,614	9,253	21,467	42,464
2914 DISTILLATE FUEL OIL-----	35,909					6,074	29,835
2915 RESIDUAL FUEL OIL-----	64,612					64,612	
2916 LUBRICATING OILS AND GREASES-----	1,777		36			1,736	5
2920 COKE, PETROLEUM COKE-----	15,891		15,891				
3011 RUBBER AND MISC PLASTIC PROD-----	38	18	20				
3111 LEATHER AND LEATHER PRODUCTS-----	1	1					
3211 GLASS AND GLASS PRODUCTS-----	60		60				
3251 STRUCTURAL CLAY PRODUCTS-----	18	18					
3281 CUT STONE AND STONE PRODUCTS-----	5	5					
3291 MISC NONMETALLIC MINERAL PROD-----	3		3				
3315 IRON, STEEL SHAPES, EXC SHEET-----	24,122	24,121	1				
3316 IRON AND STEEL PLATES, SHEETS-----	2		2				
3317 IRON AND STEEL PIPE AND TUBE-----	16,362	16,346	16				
3318 FERROALLOYS-----	59		59				
3319 IRON AND STEEL PRODUCTS, NEC-----	25	25					
3321 NONFERROUS METALS, NEC-----	165	143	22				
3322 COPPER ALLOYS, UNWORKED-----	4,574		4,574				
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,421	1,347	74				
3411 FABRICATED METAL PRODUCTS-----	4,734	4,379	355				
3511 MACHINERY, EXCEPT ELECTRICAL-----	4,257	342	3,915				
3611 ELECTRICAL MACH AND EQUIP-----	97	8	89				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	4,642	4,470	172				

PORT OF VANCOUVER, WASH.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
3731 SHIPS AND BOATS-----	113	113					
3791 MISC TRANSPORTATION EQUIPMENT-----	2		2				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	9		9				
3911 MISC MANUFACTURED PRODUCTS-----	3d	21	17				
4012 NONFERROUS METAL SCRAP-----	21,476		21,476				
4022 TEXTILE WASTE, SCRAP, SHEEP-----	11		11				
4024 PAPER WASTE AND SCRAP-----	894		894				
4112 COMMODITIES, NEC-----	416	14	227		175		
9999 DEPARTMENT OF DEFENSE AND SCI-----	3		3				

COLUMBIA RIVER BETWEEN VANCOUVER, WASH.,
AND THE DALLES, OREG.SECTION INCLUDED: COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG., A DISTANCE OF ABOUT 85 MILES, CONTROLLING DEPTH:
15 FEET BETWEEN VANCOUVER AND THE DALLES. PROJECT DEPTH: 27 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	7,876,232	1,112,512	8,988,744	1983-----	8,036,549	951,000	8,987,549
1979-----	8,194,993	1,111,874	9,306,867	1984-----	9,400,599	730,165	10,130,764
1980-----	9,144,764	1,599,325	10,744,089	1985-----	7,483,841	862,710	8,346,551
1981-----	9,075,438	1,233,697	10,309,135	1986-----	8,176,082	958,286	9,134,368
1982-----	7,750,152	1,016,249	8,766,401	1987-----	8,382,778	653,208	9,035,986

* PASSENGERS--175,279.

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL					
		RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH UPBOUND	DOWNBOUND
TOTAL-----	9,235,986	5,500	11,204	412,000	1,138,512	337,253	431,793	1,303,360	5,596,564
0102 BARLEY AND RYE-----	679,344				6,459				672,885
0103 CORN-----	8,962							44	8,916
0107 WHEAT-----	4,103,385				76,981				4,026,404
0111 SOYBEANS-----	216								216
0122 HAY AND FEED-----	23,084							820	22,064
0129 FIELD CROPS, NEC-----	52,235				768			22,432	29,055
0141 FRESH AND FROZEN VEGETABLES-----	22,144							59	22,085
0161 ANIMALS AND PRODUCTS, NEC-----	2,216								2,216
0911 FRESH FISH, EXCEPT SHELLFISH-----	770			770					
0912 SHELLFISH, EXCEPT SHEPARED-----	4			4					
1442 SAND, GRAVEL, CRUSHED ROCK-----	67,111			65,912	1,199				
1451 CLAY-----	5,003			5,003					
2015 ANIMAL BY-PRODUCTS, NEC-----	11,080								11,080
2034 VEGETABLES AND PREP, NEC-----	13,069								13,069
2042 ANIMAL FEEDS-----	3,113								3,113
2049 GRAIN MILL PRODUCTS, NEC-----	3,226			2,917					309
2062 MOLASSES-----	6,608							6,608	
2411 LOGS-----	43,444			12,977					30,467
2412 RAFTED LOGS-----	853,268	2,700		69,041	167,387	336,853	275,227		
2413 FUEL WOOD, MANUAL, WASTES-----	77,160			4,832	46,206		6,420		24,110
2416 WOOD CHIPS, STAVES, WOLINGS-----	1,509,400			190,308	400,175		150,546		568,371
2421 LUMBER-----	12,635		11,204	168	266	134			861
2491 WOOD MANUFACTURES, NEC-----	565			166	266	133			
2611 PULP-----	57,767			33,573					24,194
2631 PAPER AND PAPERBOARD-----	32,502								32,502
2691 PULP AND PAPER PRODUCTS, NEC-----	451,352			15,232	422,944				13,176
2819 BASIC CHEMICALS AND PROD, NEC-----	78,828	2,800			1,203			74,825	
2871 NITROGENOUS CHEM FERTILIZERS-----	39,441			9,869	10,190			19,611	771
2876 INSECTICIDES, DISINFECTANTS-----	82								82
2911 GASOLINE-----	515,547							440,088	75,459
2912 JET FUEL-----	45,376							45,376	
2913 DISTILLATE FUEL OIL-----	672,123			1,062				651,953	19,120
2915 RESIDUAL FUEL OIL-----	27,477							27,477	
3011 RUBBER AND MISC PLASTIC PROD-----	107							107	
3211 GLASS AND GLASS PRODUCTS-----	46							46	
3291 MISC NONMETALLIC MINERAL PROD-----	565			166	266	133			
3511 MACHINERY, EXCEPT ELECTRICAL-----	208							77	131
4011 IRON AND STEEL SCRAP-----	20								20
4029 WASTE AND SCRAP, NEC-----	2,042			1,000				24	1,016
4119 EMPTY CONTAINERS-----	14,505							14,233	272
TOTAL TON-MILES-----	614,103,845								

COLUMBIA RIVER ABOVE THE DALLES DAM, WASH. AND OREG. TO
MCARY LOCK AND DAM, OREG. AND WASH.

SECTION INCLUDED: COLUMBIA RIVER BETWEEN THE DALLES DAM AND MCARY LOCK AND DAM, A DISTANCE OF ABOUT 91 MILES. CONTROLLING DEPTHS
WITHIN THE DALLES AND JOHN DAY POOLS, 14 FEET. PROJECT DEPTHS: 14 FEET AT ADOPTED LOW WATER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	6,118,003	1983-----	6,934,894
1979-----	6,442,713	1984-----	7,514,806
1980-----	7,725,206	1985-----	5,865,134
1981-----	8,167,034	1986-----	6,412,441
1982-----	7,388,695	1987-----	6,472,064

* PASSENGERS--362.

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL			
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	6,972,064	3,296	823,102	1,316,286	4,824,380
0102 BARLEY AND RYE-----	672,865		30,877		642,000
0103 CORN-----	5,462		5,070	44	3,248
0107 WHEAT-----	4,024,404		402,195		3,621,604
0111 SOYBEANS-----	216				216
0122 HAY AND FODDER-----	23,084	30	21,326	390	1,338
0129 FIELD CROPS, NEC-----	52,235		185	23,200	28,850
0141 FRESH AND FROZEN VEGETABLES-----	22,144		2,774	59	14,311
0161 ANIMALS AND PRODUCTS, NEC-----	2,216				2,216
2015 ANIMAL BY-PRODUCTS, NEC-----	11,080				11,080
2034 VEGETABLES AND PREP, NEC-----	13,069				13,069
2042 ANIMAL FEEDS-----	5,113				5,113
2049 GRAIN MILL PRODUCTS, NEC-----	309		309		
2062 MOLASSES-----	6,608			6,608	
2411 LOGS-----	43,444		840		42,604
2413 FUEL WOOD, CHARCOAL, WASTES-----	24,131			4,621	24,110
2416 WOOD CHIPS, STAVES, MOLDINGS-----	607,840		358,184	1,600	246,056
2421 LUMBER-----	861				861
2611 PULP-----	24,194				24,194
2631 PAPER AND PAPERBOARD-----	32,502				32,502
2691 PULP AND PAPER PRODUCTS, NEC-----	13,176				13,176
2819 BASIC CHEMICALS AND PROD, NEC-----	76,028			76,028	
2871 NITROGENOUS CHEM FERTILIZERS-----	33,402			27,571	5,831
2876 INSECTICIDES, DISINFECTANTS-----	82		82		
2911 GASOLINE-----	515,547			440,088	75,459
2912 JET FUEL-----	45,376			45,376	
2914 DISTILLATE FUEL OIL-----	671,061			651,953	19,128
2915 RESIDUAL FUEL OIL-----	27,477			27,477	
3011 RUBBER AND MISC PLASTIC PROD-----	107	47			60
3211 GLASS AND GLASS PRODUCTS-----	46				46
3511 MACHINERY, EXCEPT ELECTRICAL-----	208		20	77	111
4011 IRON AND STEEL SCRAP-----	26				26
4029 WASTE AND SCRAP, NEC-----	1,042			24	1,018
4111 EMPTY CONTAINERS-----	14,587	3,219	40	11,084	244
TOTAL TON-MILES, 672,317,152.					

PORT OF PORTLAND, OREG.

SECTION INCLUDED: (STATISTICS FOR THAT SECTION OF PORTLAND HARBOR BELOW RUSS ISLAND BRIDGE ARE ALSO INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG., AND STATISTICS FOR SECTION ABOVE RUSS ISLAND BRIDGE ARE ALSO INCLUDED IN STATISTICS FOR WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.) CONTROLLING DEPTHS: 28 FEET FROM MOUTH TO BROADWAY BRIDGE; 20 FEET AT LOW WATER ABOVE RUSS ISLAND BRIDGE TO LAKE USHEWU; 9 FEET TO OREGON CITY. PROJECT DEPTHS: 40 FEET AT LOW WATER BELOW BROADWAY BRIDGE; 30 FEET FROM BROADWAY BRIDGE TO FOOT OF RUSS ISLAND, MAINTAINED BY PORT OF PORTLAND; 6 FEET AT LOW WATER ABOVE FOOT OF RUSS ISLAND.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1978-----	25,905,104	668,239	26,573,343		1983-----	25,398,242	350,782	25,749,024	
1979-----	28,327,795	818,666	29,146,461	10,610	1984-----	26,853,192	649,472	27,302,664	42,606
1980-----	28,633,335	680,724	29,314,059	6,178	1985-----	21,099,073	745,770	21,844,843	81,385
1981-----	27,233,073	391,656	27,624,729	5,790	1986-----	24,817,001	772,683	25,589,684	102,093
1982-----	24,641,713	487,565	25,129,278	474	1987-----	26,328,146	484,401	26,812,547	87,198

PORT OF PORTLAND, OREG.--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	26,812,547	2,598,609	12,985,565	2,425,112	518,022	5,467,606	1,822,581	995,052
0101 CUTTON, RAW-----	2,276		2,276					
0102 BARLEY AND RYE-----	2,061,283	147	1,524,879			530,964	5,293	
0103 CORN-----	403,764		400,472			3,248	40	
0105 RICE-----	1,188	624	564					
0106 SURGUM GRAINS-----	620		620					
0107 WHEAT-----	10,612,969		8,194,336			2,409,897	6,185	4,551
0111 SOYBEANS-----	3,539		3,323			216		
0119 OILSEEDS, NEC-----	13,233	13	13,220					
0122 HAY AND FODDER-----	23,253				169	22,664	420	
0129 FIELD CROPS, NEC-----	83,451	585	34,003			28,725	20,032	108
0131 FRESH FRUITS-----	12,224		9,451	2,266	507			
0132 BANANAS AND PLANTAINS-----	23	23						
0133 COFFEE-----	582	561	1	20				
0141 FRESH AND FROZEN VEGETABLES-----	158,196	1,981	123,107	16	15,644	17,389	59	
0151 LIVE ANIMALS-----	656		656					
0161 ANIMALS AND PRODUCTS, NEC-----	3,447	108	1,123			2,216		
0191 MISCELLANEOUS FARM PRODUCTS-----	1,219	1,196	23					
0841 CRUDE RUBBER AND ALLIED GUMS-----	1,255	1,174	81					
0861 FOREST PRODUCTS, NEC-----	1,117	203	69	152	693			
0911 FRESH FISH, EXCEPT SHELLFISH-----	3,951	465	3,486					
0912 SHELLFISH, EXCEPT PREPARED-----	295	17	196		82			
0931 MARINE SHELLS, UNMANUFACTURED-----	130	41	89					
1011 IRON ORE AND CONCENTRATES-----	25,040	25,040						
1021 COPPER ORE AND CONCENTRATES-----	8,404		8,404					
1051 ALUMINUM ORES, CONCENTRATES-----	56,571	56,561	10					
1091 NONFERROUS ORES, CONCLNT, NEC-----	9,376	9,376						
1311 CRUDE PETROLEUM-----	509,318	261,949		221,849	25,520			
1411 LIMESTONE-----	510,581	180,581				330,000		
1482 SAND, GRAVEL, CRUSHED ROCK-----	1,516,947	200,639	1,007		223	746,061	31,900	539,117
1451 CLAY-----	141,059	20	129,717				11,322	
1491 SALT-----	227,288	227,288						
1494 GYPSUM, CRUDE AND PLASTERS-----	120		120					
1499 NONMETALLIC MINERALS, NEC-----	36,611	1	36,610					
1911 DROPS AND ACCESSORIES-----	45	45						
2011 MEAT, FRESH, CHILLED, FROZEN-----	6,011	608	5,056	48	299			
2012 MEAT AND PRODUCTS, NEC-----	79	4	75					
2014 TALLOW, ANIMAL FATS AND OILS-----	6,109		6,109					
2015 ANIMAL BY-PRODUCTS, NEC-----	42,842	31,762				11,080		
2021 DAIRY PRODUCTS, NEC-----	296	233	56		1			
2022 DRIED MILK AND CREAM-----	917	18	899					
2031 FISH AND SHELLFISH, PREPARED-----	2,031	495	1,536					
2034 VEGETABLES AND PREP, NEC-----	30,935	16,498	118	1,844	10,796			
2039 PREP FRUIT AND VEG JUICE, NEC-----	22,765	1,664	7,804	13,187	110			
2041 WHEAT FLOUR AND SEMOLINA-----	23				23			
2042 ANIMAL FEEDS-----	104,566	42	85,527		16,084	3,113		
2049 GRAIN MILL PRODUCTS, NEC-----	36,154	404	20,100		683	309	14,658	
2061 SUGAR-----	181		181					
2062 MOLASSES-----	21,836		6,383				6,608	8,845
2081 ALCOHOLIC BEVERAGES-----	14,969	7,516	1,496		5,957			
2091 VEGETABLE OILS, MARG, SHORT-----	124,566	116,780	5,772		34			
2094 GROCERIES-----	1,195			29	1,166			
2095 ICE-----	92	92						
2099 MISCELLANEOUS FOOD PRODUCTS-----	68,886	2,150	65,398	39	1,299			
2211 BASIC TEXTILE PRODUCTS-----	3,096	2,713	365		18			
2212 TEXTILE FIBERS, NEC-----	135	135						
2311 APPAREL-----	2,365	2,211	154					
2411 LOGS-----	440,677		433,528			6,049	500	
2412 RAFFED LOGS-----	484,401					294,165	76,650	13,586
2413 FUEL WOOD, CHARCOAL, WASTES-----	3,913	66	7		2,440	1,000	400	
2414 TIMBER, POSTS, POLES, PILING-----	2,133		269		1,864			
2416 WOOD CHIPS, STAVES, MULDINGS-----	653,717		645,676			8,041		
2421 LUMBER-----	377,380	2,139	286,862	53	78,627	9,531	168	
2431 VENEER, PLYWOOD, WORKED WOOD-----	70,136	8,380	40,734		21,022			
2491 WOOD MANUFACTURES, NEC-----	40,380	1,896	33,303		4,747	266	166	
2511 FURNITURE AND FIXTURES-----	5,545	4,140	97	481	827			
2611 PULP-----	194,199		65,248			24,194	104,757	
2621 STANDARD NEWSPRINT PAPER-----	14,915	1,564	13,030		316			
2631 PAPER AND PAPERBOARD-----	230,092	7,371	171,037		19,611	32,073		
2691 PULP AND PAPER PRODUCTS, NEC-----	857,711	350	820	4	15,238	827,440	6,705	7,149
2711 PRINTED MATTER-----	800	423	280		47			
2810 SODIUM HYDROXIDE-----	143,028		56,512		66,516			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	3,802	1,050	2,445	307				
2812 DYES, PIGMENT, TANNING MATS-----	1		1					
2813 ALCOHOLS-----	93,458	93,413	43					
2816 RADIOACTIVE MATERIALS, WASTES-----	78		78					
2817 BENZENE AND TOLUENE-----	5,422	5,422						
2819 BASIC CHEMICALS AND PROD, NEC-----	547,107	9,714	180,846	223,874	44,040	13,803	74,825	
2821 PLASTIC MATERIALS-----	10,975	8,847	3,112		1,016			
2822 SYNTHETIC RUBBER-----	77	1	76					
2823 SYNTHETIC (MAN-MADE) FIBERS-----	72	67	5					
2831 DRUGS-----	449	25	418					
2841 SOAP-----	1,863	105	1,520		258			
2851 PAINTS-----	1,428	1,050	330		40			
2861 GUM AND ADHESIVE CHEMICALS-----	2		2					
2871 NITROGENOUS CHEM FERTILIZERS-----	167,995	23,035		112,001	18,402		14,559	
2876 INSECTICIDES, DISINFECTANTS-----	616	24			510	62		
2879 FERTILIZER AND MATERIALS, NEC-----	217	59			158			
2891 MISCELLANEOUS CHEMICAL PROD-----	30,869	2,878	1,266	8,034	18,688			
2911 GASOLINE-----	1,229,263	149,443		510,166	1,870	86,671	430,303	50,810
2912 JET FUEL-----	128,306	9,884		71,399			45,376	1,647
2918 DISTILLATE FUEL OIL-----	1,108,805	32,762		324,895	54,394	19,128	650,394	27,232
2915 RESIDUAL FUEL OIL-----	807,045	24,713		298,322	5,291		300,914	177,805

PORT OF PORTLAND, OREG.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2916 LUBRICATING OILS AND GREASES-----	178,222	4	498	171,764	-----	-----	4,690	1,266
2917 NAPHTHA, PETROLEUM SOLVENTS-----	6,253	-----	-----	6,253	-----	-----	-----	-----
2918 ASPHALT, TAN, AND BITUMENS-----	221,013	72,647	-----	148,142	224	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	23,637	-----	23,637	-----	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	56	-----	56	-----	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	8,604	-----	44	-----	8,560	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	281,600	-----	-----	250,275	6,653	24,672	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	24,144	22,676	1,058	22	281	-----	107	-----
3111 LEATHER AND LEATHER PRODUCTS-----	5,919	4,842	1,077	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	9,251	1,170	8,035	-----	-----	-----	46	-----
3241 BUILDING CEMENT-----	134,814	134,796	23	-----	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	2,665	1,341	1,324	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	1,066	890	3	-----	173	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	10,436	2,207	922	-----	6,875	266	166	-----
3312 SLAG-----	3,703	-----	-----	-----	3,703	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	14,469	14,478	11	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	198,524	198,419	10	-----	95	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	13,289	11,675	69	-----	1,345	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	48,379	43,896	112	-----	4,377	-----	-----	-----
3318 FERRALLIOTS-----	11,997	11,987	10	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	6,267	6,227	40	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	288	153	135	-----	-----	-----	-----	-----
3322 COPPER ALLOYS, UNKNOWN-----	806	362	444	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNKNOWN-----	2,779	2,177	2	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNKNOWN-----	7,273	326	6,947	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	77,807	66,477	2,166	102	9,062	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	33,706	25,614	6,238	166	1,278	131	77	-----
3611 ELECTRICAL MACH AND EQUIP-----	25,336	17,376	7,851	-----	109	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	458,120	450,807	1,079	1,796	4,436	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	8	1	7	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	1,790	1,367	403	6	14	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,209	827	178	-----	204	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,374	1,195	179	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	10,846	8,177	827	179	1,063	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	210,658	-----	209,707	523	-----	28	-----	-----
4012 NONFERROUS METAL SCRAP-----	19,237	10	19,227	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SUEEP-----	251	20	231	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	70,106	-----	70,106	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	68,948	-----	-----	8	-----	3,118	1,024	64,600
4112 COMMODITIES, NEC-----	64,667	668	5,526	15,235	43,238	-----	-----	-----
4119 EMPTY CONTAINERS-----	15,050	-----	-----	409	-----	272	14,233	136
9999 DEPARTMENT OF DEFENSE AND SCI-----	178	-----	178	-----	-----	-----	-----	-----

WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.

SECTION INCLUDED: WILLAMETTE RIVER FROM PORTLAND TO HARRISBURG, OREG., A DISTANCE OF 15.9 MILES, AND YAMHILL RIVER FROM MOUTH TO MILE 9.0. CONTROLLING DEPTH: 9 FEET FROM PORTLAND TO OREGON CITY; 3 FEET TO CORVALLIS; 4 FEET ON YAMHILL RIVER FROM MOUTH TO MILE 9.0. PROJECT DEPTH: WILLAMETTE RIVER, 8 FEET FROM PORTLAND TO OREGON CITY; 6 FEET FROM OREGON CITY TO MOUTH OF SAVANNAH RIVER; 5 FEET FROM MOUTH OF SAVANNAH 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

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	5,400,834	339,891	5,740,725	1983-----	2,310,753	147,085	2,457,838
1979-----	4,475,295	524,437	4,999,732	1984-----	3,263,156	327,295	3,590,451
1980-----	5,082,568	404,274	5,486,842	1985-----	3,070,902	455,275	3,526,177
1981-----	3,577,405	298,997	3,876,402	1986-----	3,098,129	645,820	3,743,949
1982-----	2,464,937	398,176	2,863,113	1987-----	2,206,055	413,920	2,619,975

* PASSENGERS--43,693.

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL			
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	2,619,975	639,272	1,161,147	125,175	694,381
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,486,498	423,247	509,850	110,700	442,701
1451 CLAY-----	51,619	6,319	-----	3,600	41,700
2049 GRAIN MILL PRODUCTS, NEC-----	11,741	11,741	-----	-----	-----
2412 RAFTED LOGS-----	413,920	6,413	222,502	8,625	176,380
2413 FUEL WOOD, CHALKOAL, WASTES-----	7,551	-----	7,551	-----	-----
2416 WOOD CHIPS, SLAVES, WOLVINGS-----	313,556	-----	313,556	-----	-----
2611 PULP-----	77,753	7,753	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	155,815	47,927	107,888	-----	-----
2914 DISTILLATE FUEL OIL-----	672	672	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	101,050	65,200	-----	2,250	33,600
TOTAL TON-MILES, 12,765,054.					

COOS BAY, OREG.

SECTION INCLUDED: FROM SEA TO MILLINGTON, A DISTANCE OF 17 MILES. (SAME SECTION AND STATISTICS APPLY TO PORT OF COOS BAY.) CONTROLLING DEPTH: 30 FEET IN ENTRANCE CHANNEL; 30 FEET IN INNER CHANNEL TO MILE 15; 20 FEET IN ISTHMUS SLOUGH TO MILLINGTON. PROJECT DEPTH: 45/35 FEET ON BAR AND 35 FEET FROM ENTRANCE TO MILE 15; TURNING BASINS OF SAME DEPTH OPPOSITE COALBANK SLOUGH AND AT THE CITY OF NORTH BEND; ANCHORAGE BASINS 27 FEET AT MILE 3.5 AND NEAR MILE 7; A CHANNEL; 22 FEET DEEP FROM SMITH'S HILL (MILE 15) TO MILLINGTON; MOORING BASIN FOR SMALL BOATS AT CHARLESTON, WITH A CONNECTING CHANNEL 10 FEET DEEP TO DEEP WATER IN COOS BAY.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	5,872,721	1,191,570	7,064,291	1983-----	3,941,003	778,903	4,719,906
1979-----	5,905,174	1,145,699	7,050,873	1984-----	4,283,768	1,626,461	5,910,229
1980-----	5,517,082	1,288,884	6,805,966	1985-----	5,370,322	2,264,323	7,634,645
1981-----	4,177,782	1,602,201	5,779,983	1986-----	4,573,582	1,481,021	6,054,603
1982-----	4,515,440	2,265,946	6,781,386	1987-----	6,414,937	1,346,644	7,761,581

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	7,761,681	11,917	4,381,684	343,113	192,183	980,536	1,535,940	366,308
0129 FIELD CROPS, NEC-----	9		9					
0141 FRESH AND FROZEN VEGETABLES-----	62	7	55					
0191 MISCELLANEOUS FARM PRODUCTS-----	3	3						
0911 FRESH FISH, EXCEPT SHELLFISH-----	20		20					
1091 NONFERRUS ORES, CONCENT, NEC-----	3,200	3,200						
1402 SAND, GRAVEL, CRUSHED ROCK-----	124,813			124,813				
2011 MEAT, FRESH, CHILLED, FROZEN-----	280	280						
2031 FISH AND SHELLFISH, PREPARED-----	21		21					
2039 PREP FRUIT AND VEG JUICE, NEC-----	20	20						
2049 GRAIN MILL PRODUCTS, NEC-----	42	42						
2081 ALCOHOLIC BEVERAGES-----	55	55						
2099 MISCELLANEOUS FOOD PRODUCTS-----	68		68					
2211 BASIC TEXTILE PRODUCTS-----	127	120	7					
2411 LOGS-----	1,010,752		1,010,752					
2412 RAFTED LOGS-----	1,346,844					980,536		366,308
2419 TIMBER, POLES, PILING-----	129		129					
2416 WOOD CHIPS, STAVES, WOLINGS-----	2,925,483		2,925,483					
2421 LUMBER-----	453,430	553	365,020		87,857			
2431 VENEER, PLYWOOD, WORKED WOOD-----	61,585	647	53,715		7,223			
2491 WOOD MANUFACTURES, NEC-----	986	595	391					
2511 FURNITURE AND FIXTURES-----	43	32	11					
2611 PULP-----	2,449		2,449					
2631 PAPER AND PAPERBOARD-----	21,861	38	21,823					
2711 PRINTED MATTER-----	2		2					
2819 BASIC CHEMICALS AND PROD, NEC-----	23,372	40	25		25,507			
2821 PLASTIC MATERIALS-----	23	21	2					
2841 SOAP-----	1		1					
2851 PAINTS-----	68	66	2					
2876 INSECTICIDES, DISINFECTANTS-----	14		14					
2911 GASOLINE-----	45,233			45,233				
2912 JET FUEL-----	1,019			1,019				
2914 DISTILLATE FUEL OIL-----	77,741			77,741				
2991 PETROLEUM AND OIL PROD, NEC-----	99,353			94,507	5,026			
3011 RUBBER AND MISC PLASTIC PROD-----	7	4	3					
3211 GLASS AND GLASS PRODUCTS-----	8	8						
3251 STRUCTURAL CLAY PRODUCTS-----	47	47						
3281 CUT STONE AND STONE PRODUCTS-----	56	56						
3291 MISC NONMETALLIC MINERAL PROD-----	80	80	34					
3315 IRON, STEEL SHAPES, EXC SHEET-----	21	21						
3317 IRON AND STEEL PIPE AND TUBE-----	5,020	5,019	1					
3318 FERROALLOYS-----	1,653	1,653						
3321 NONFERROUS METALS, NEC-----	269	265	4					
3324 ALUMINUM AND ALLOYS, UNWORKED-----	464	464						
3411 FABRICATED METAL PRODUCTS-----	192	134	58					
3511 MACHINERY, EXCEPT ELECTRICAL-----	281	85	121		75			
3611 ELECTRICAL MACH AND EQUIP-----	28		28					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	168	159	9					
3721 AIRCRAFT AND PARTS-----	1	1						
3731 SHIPS AND BOATS-----	136	136						
3791 MISC TRANSPORTATION EQUIPMENT-----	2		2					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	4		4					
3911 MISC MANUFACTURED PRODUCTS-----	97	97						
4029 WASTE AND SCRAP, NEC-----	1,535,940						1,535,940	
4112 COMMODITIES, NEC-----	20,119	3	1,421		18,695			
TOTAL TON-MILES, 97,155,292.								

COOS AND MILLICOMA RIVERS, OREG.

SECTION INCLUDED: MOUTH OF COOS RIVER TO ALLEGANY ON MILLICOMA RIVER (NORTH FORK), MILE 13.8 AND TO MILE 14 ON SOUTH FORK. CONTROLLING AND PROJECT DEPTHS: 5 FEET FROM MOUTH OF COOS RIVER TO ALLEGANY ON MILLICOMA RIVER AND DELLWOOD ON SOUTH FORK; THENCE 3 FEET TO MILE 14.7 ON SOUTH FORK.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978-----	2,312,221	1983-----	811,028
1979-----	1,413,070	1984-----	1,401,450
1980-----	1,530,746	1985-----	1,849,875
1981-----	1,457,788	1986-----	1,144,348
1982-----	1,956,600	1987-----	980,536

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	INTERNAL
	OUTBOUND
2412 RAFTED LOGS-----	980,536
TOTAL TON-MILES, 7,989,372.	

UMPUJA RIVER, OREG.

SECTION INCLUDED: ENTRANCE TO REEDSPORT, A DISTANCE OF ABOUT 12 MILES. (SAME SECTION AND STATISTICS APPLY TO PORT OF UMPQUA.) CONTROLLING DEPTH: 23 FEET ON THE BAR, 20 FEET FROM ENTRANCE TO MILE 3, 19 FEET MILE 3 TO 8, 18 FEET MILE 8 TO 12 AND 22 FEET IN TURNING BASIN. PROJECT DEPTH: ENTRANCE 26 FEET AND 22 FEET FROM MOUTH TO REEDSPORT WITH A TURNING BASIN AT REEDSPORT; A SIDE CHANNEL AND MOORING AND TURNING BASIN 12 FEET DEEP AT WINCHESTER BAY; A CHANNEL 22 FEET DEEP WITH TURNING BASIN AT JARDIVEN.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	586,341	19,269	605,610	1983-----	155,122	14,400	147,522
1979-----	820,595	219	820,814	1984-----	193,232	88,630	281,862
1980-----	969,964	40,662	1,010,646	1985-----	225,639	19,725	245,364
1981-----	340,900	35,456	376,356	1986-----	241,450	27,900	269,350
1982-----	665,567	-----	665,567	1987-----	365,736	2,700	368,436

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		RECEIPTS	SHIPMENTS	THROUGH UMPQUA	INTERNAL
TOTAL-----	568,438	6,228	160,022	5,291	3,800
1442 SAND, GRAVEL, CRUSHED ROCK-----	315,210	-----	124,813	-----	-----
2412 RAFTED LOGS-----	2,700	-----	-----	-----	2,700
2421 LUMBER-----	39,009	-----	35,209	-----	-----
2915 RESIDUAL FUEL OIL-----	5,291	-----	-----	5,291	-----
2991 PETROLEUM AND COAL PROD, NEC-----	6,228	6,228	-----	-----	-----
TOTAL TON-MILES, 5,352,346.					

YAGUINA BAY AND HARBOR, OREG.

SECTION INCLUDED: ENTRANCE AND BAY TO TOWN OF YAGUINA, OREG., A DISTANCE OF ABOUT 4.5 MILES. CONTROLLING DEPTH: 37 FEET AT ENTRANCE, THENCE 28 FEET TO AND IN THE TURNING BASIN. PROJECT DEPTH: 40/30 FEET THROUGH ENTRANCE CHANNEL, 30 FEET FROM END OF ENTRANCE CHANNEL TO MCLEAN POINT, 30 FEET IN TURNING BASIN, AND 18 FEET FROM TURNING BASIN TO TOWN OF YAGUINA.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	263,113	-----	263,113	1983-----	802,154	-----	802,154
1979-----	158,792	-----	158,792	1984-----	2,269,377	-----	2,269,377
1980-----	126,513	-----	126,513	1985-----	211,142	-----	211,142
1981-----	69,007	-----	69,007	1986-----	301,340	-----	301,340
1982-----	404,336	-----	404,336	1987-----	849,013	-----	849,013

Waterborne Commerce of the United States, 1987

YACUINA BAY AND HARBOR, OREG.--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC	
		EXPORTS	COASTWISE	INTERNAL
			SHIPMENTS	OUTBOUND
TOTAL-----	849,013	188,438	71,175	589,400
2411 LOGS-----	188,388	188,388	-----	-----
2421 LUMBER-----	71,225	50	71,175	-----
4029 WASTE AND SCRAP, NEC-----	589,400	-----	-----	589,400
TOTAL TON-MILES, 1,108,626.				

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
ALSEA BAY AND RIVER, OREG.	NO COMMERCE REPORTED			
CHETCO RIVER, OREG.	2421 LUMBER	4,215	4,215	
CHINOOK CHANNEL, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	2,867		
	0912 SHELLFISH, EXCEPT PREPARED	1,466		
	TOTAL	4,335	4,335	
CLATSKANIE RIVER, OREG.	NO COMMERCE REPORTED			
COLUMBIA RIVER AT BAKERS BAY, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	3,167		
	0912 SHELLFISH, EXCEPT PREPARED	3,467		
	TOTAL	6,634	6,634	
COLUMBIA SLOUGH, OREG.	NO COMMERCE REPORTED			
COQUILLE RIVER, OREG.	NO COMMERCE REPORTED			
CORLITZ RIVER, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	493	493	
DEEP RIVER, WASH.	2411 LOGS	1,356		
	2412 RAFTED LOGS	76,951		
	TOTAL	78,301	312,654	
DEPOE BAY, OREG.	NO COMMERCE REPORTED			
ELOKOMIN SLOUGH, WASH.	NO COMMERCE REPORTED			
GRAYS RIVER, WASH.	NO COMMERCE REPORTED			
LAKE RIVER, WASH.	1442 SAND, GRAVEL, CRUSHED ROCK	7,800		
	4029 WASTE AND SCRAP, NEC	400		
	TOTAL	8,200	8,200	
LEWIS RIVER, WASH.	1442 SAND, GRAVEL, CRUSHED ROCK	4,206		
	2412 RAFTED LOGS	16,263		
	2416 WOOD CHIPS, STAVES, MOLDINGS	1,394		
	TOTAL	21,867	127,973	
PORT OF ST. HELENS, OREG.	1442 SAND, GRAVEL, CRUSHED ROCK	4,206		
PORT ORFORD, OREG.	NO COMMERCE REPORTED			
TOGUE RIVER, OREG.				71,602
SIUSLAN RIVER, OREG.	2412 RAFTED LOGS	85,752		
	2421 LUMBER	8,293		
	TOTAL	94,045	675,069	
SKAMOKAWA (STEAMBOAT) SLOUGH, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	1	1	
SKAMOKAWA CREEK, WASH.	NO COMMERCE REPORTED			
SKIPANON CHANNEL, OREG.	1442 SAND, GRAVEL, CRUSHED ROCK	450		
	2412 RAFTED LOGS	19,175		
	2413 FUEL WOOD, CHARCOAL, WASTES	2,367		
	2416 WOOD CHIPS, STAVES, MOLDINGS	57,871		
	2421 LUMBER	8,402		
	TOTAL	88,285	83,285	
SMITH RIVER, OREG.	2412 RAFTED LOGS	2,700		
	2421 LUMBER	3,800		
	2915 RESIDUAL FUEL OIL	5,291		
	TOTAL	11,791	63,091	
TILLAMOOK BAY AND BAR, OREG.	NO COMMERCE REPORTED			
WESTPORT SLOUGH, OREG.	1442 SAND, GRAVEL, CRUSHED ROCK	29,759		
	1499 NONFERROUS MINERALS, NEC	500		
	2411 LOGS	650		
	TOTAL	30,909	30,909	25,386
YAGUINA RIVER, OREG.	NO COMMERCE REPORTED			
YOUNGS BAY AND YOUNGS RIVER, OREG.	2412 RAFTED LOGS	82,380	218,653	

Waterborne Commerce of the United States, 1987

SEATTLE, WA, DISTRICT

GRAYS HARBOR AND CHEHALIS RIVER, WASH.

SECTION INCLUDED: GRAYS HARBOR BAR CHANNEL AND CHEHALIS RIVER TO COSMOPOLIS AND EXTENDING TO SIMPSON AVENUE BRIDGE ON THE MOQUIAM RIVER AND THE SCHAFER BRUS, WHARF AT MONTESANO ON THE CHEHALIS RIVER. CONTROLLING DEPTHS: BAR CHANNEL, 37.1 FEET; 28.7 FEET FROM DEEP WATER IN LOWER HARBOR TO UPPER CROSS-OVER; 29.1 FEET FROM UPPER CROSS-OVER TO COM POINT; 27.2 FEET FROM COM POINT TO COSMOPOLIS; TURNING BASIN JUST DOWNSTREAM OF COM POINT, 29.4 FEET; TURNING BASIN NEAR ELLIOTT SLUICEL, 30.2 FEET, 5.5 FEET FROM COSMOPOLIS TO MONTESANO; BAY CITY CHANNEL, 9.1 FEET; WESTHAVEN CHANNEL, 13.9 FEET NORTH ENTRANCE, 15.0 FEET SOUTH ENTRANCE. PROJECT DEPTHS: 30 FEET EXTENDING THROUGH THE BAR CHANNEL TO COSMOPOLIS; BAY 16 FEET TO MONTESANO; BAY CITY CHANNEL, 14 FEET; WESTHAVEN CHANNEL, 16 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	3,081,953	-----	3,081,953	1983-----	3,552,799	11,903	3,564,702
1979-----	5,005,916	124,827	5,130,743	1984-----	3,378,268	-----	3,378,268
1980-----	3,240,061	8,899	3,248,960	1985-----	6,355,861	-----	6,355,861
1981-----	3,160,804	-----	3,160,804	1986-----	4,578,513	1,100	4,579,613
1982-----	3,267,640	4,995	3,272,635	1987-----	4,338,934	450	4,339,384

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	4,339,384	2,468	3,584,581	33,374	132,125	13,790	481,600	91,446
3911 FRESH FISH, EXCEPT SHELLFISH-----	9,218	-----	-----	-----	-----	9,218	-----	-----
3912 SHELLFISH, EXCEPT PREPARED-----	4,572	-----	-----	-----	-----	4,572	-----	-----
1311 CRUDE PETROLEUM-----	5,800	-----	5,800	-----	-----	-----	-----	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	47,000	-----	-----	-----	-----	-----	-----	47,000
1451 CLAY-----	170	-----	170	-----	-----	-----	-----	-----
2411 LOGS-----	3,557,439	-----	3,557,439	-----	-----	-----	-----	-----
2412 RAFTED LOGS-----	450	-----	-----	450	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, WOODINGS-----	8,468	-----	8,468	-----	-----	-----	-----	-----
2421 LUMBER-----	127,881	-----	9,205	-----	118,676	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	435	435	-----	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	9	9	-----	-----	-----	-----	-----	-----
2611 PULP-----	2,699	-----	2,699	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	2	2	-----	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	831	31	800	-----	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	13,449	-----	-----	-----	13,449	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	2,558	-----	-----	-----	-----	-----	-----	2,558
2915 RESIDUAL FUEL OIL-----	59,197	-----	-----	17,309	-----	-----	-----	41,888
2991 PETROLEUM AND COAL PROD, NEC-----	15,615	-----	-----	15,615	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	23	23	-----	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	918	918	-----	-----	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	694	694	-----	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	245	245	-----	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	21	21	-----	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	77	77	-----	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	6	6	-----	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	6	6	-----	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3	3	-----	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	481,600	-----	-----	-----	-----	-----	481,600	-----
TOTAL TON-MILES, 61,811,866.								

PORT ANGELES HARBOR, WASH.

SECTION INCLUDED: ENTIRE HARBOR FROM RAYONIER, INC. WHARF WESTWARD. CONTROLLING DEPTHS: UNLIMITED EXCEPT FOR 25 FEET NEAR RAYONIER, INC. WHARF. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	4,029,194	838,891	4,868,085	1983-----	1,928,533	157,325	2,085,858
1979-----	3,969,021	1,875,249	5,844,270	1984-----	2,521,980	120,752	2,642,732
1980-----	3,572,160	705,537	4,277,697	1985-----	2,679,288	227,519	2,906,807
1981-----	1,795,088	179,915	1,974,983	1986-----	3,092,434	217,410	3,309,844
1982-----	1,738,660	72,825	1,811,485	1987-----	2,656,729	216,482	2,873,211

SEATTLE, WA, DISTRICT

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PORT ANGELES HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	2,873,211	199,428	1,851,208	12,102	15,831	330,215	264,055	200,372
0119 OILSEEDS, NEC-----	7	7						
0129 FIELD CROPS, NEC-----	42		42					
0131 FRESH FRUITS-----	945		945					
0132 BANANAS AND PLANTAINS-----	516		516					
0141 FRESH AND FROZEN VEGETABLES-----	1,780		1,780					
0161 ANIMALS AND PRODUCTS, NEC-----	4	4						
0191 MISCELLANEOUS FARM PRODUCTS-----	8		8					
0861 FOREST PRODUCTS, NEC-----	3		3					
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,739	38	17			1,684		
0912 SHELLFISH, EXCEPT PREPARED-----	783	6				177		
1311 CRUDE PETROLEUM-----	594	594						
1411 LIMESTONE-----	2,000	2,000						
1442 SAND, GRAVEL, CRUSHED ROCK-----	55		55					
1499 NONMETALLIC MINERALS, NEC-----	246		246					
2031 FISH AND SHELLFISH, PREPARED-----	132	132						
2034 VEGETABLES AND PREP, NEC-----	74		74					
2039 PREP FRUIT AND VEG JUICE, NEC-----	275		275					
2042 ANIMAL FEEDS-----	385		385					
2049 GRAIN MILL PRODUCTS, NEC-----	2		2					
2081 ALCOHOLIC BEVERAGES-----	22	22						
2091 VEGETABLE OILS, MARG, SHORT-----	2		2					
2099 MISCELLANEOUS FOOD PRODUCTS-----	2		2					
2211 BASIC TEXTILE PRODUCTS-----	13	18						
2511 APPAREL-----	227	227						
2411 LOGS-----	1,473,465	32,317	1,441,148					
2412 RAFTED LOGS-----	216,482					92,920	173,562	
2413 FUEL WOOD, CHARCOAL, WASTES-----	6,350	6,350						
2415 PULPWOOD, LOG-----	23,948	23,948						
2416 WOOD CHIPS, STAVES, MULDINGS-----	376,695	86,366	229,372				22,465	39,692
2421 LUMBER-----	22,373		22,373					
2431 VENEER, PLYWOOD, WORKED WOOD-----	2,648		2,648					
2491 WOOD MANUFACTURES, NEC-----	673	27	646					
2511 FURNITURE AND FIXTURES-----	56	53	3					
2611 PULP-----	126,744	4,666	54,056				68,028	
2621 STANDARD NEWSPRINT PAPER-----	2,979	970	2,009					
2631 PAPER AND PAPERBOARD-----	182	7	175					
2691 PULP AND PAPER PRODUCTS, NEC-----	47	27	20					
2711 PRINTED MATTER-----	39	39						
2810 SODIUM HYDROXIDE-----	37,919					37,919		
2821 PLASTIC MATERIALS-----	269	115	154					
2851 PAINTS-----	29	29						
2871 NITROGENOUS CHEM FERTILIZERS-----	2,247		2,247					
2891 MISCELLANEOUS CHEMICAL PRD-----	18,272		5,617			12,655		
2911 GASOLINE-----	27,818	20,774				7,044		
2914 DISTILLATE FUEL OIL-----	28,253	1,195	9,893	3,835		13,153		177
2915 RESIDUAL FUEL OIL-----	375,040	15,845	53,697	8,267	15,831	122,908		160,492
2916 LUBRICATING OILS AND GREASES-----	160		43			166		11
2918 ASPHALT, TAR, AND BITUMENS-----	15,913	3,968	11,945					
2991 PETROLEUM AND COAL PRD, NEC-----	91,049					91,049		
3011 RUBBER AND MISC PLASTIC PRD-----	73	73						
3111 LEATHER AND LEATHER PRODUCTS-----	84	83	1					
3211 GLASS AND GLASS PRODUCTS-----	24	1	23					
3291 MISC NONMETALLIC MINERAL PRD-----	24	24						
3315 IRON, STEEL SHAPES, EXC SHEET-----	11	11						
3324 ALUMINUM AND ALLOYS, UNWORKED-----	9,292		9,292					
3411 FABRICATED METAL PRODUCTS-----	230	230						
3511 MACHINERY, EXCEPT ELECTRICAL-----	275	143	132					
3611 ELECTRICAL MACH AND EQUIP-----	504	504						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	80	43	37					
3731 SHIPS AND BOATS-----	18	15	3					
3791 MISC TRANSPORTATION EQUIPMENT-----	9		9					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	19	19						
3911 MISC MANUFACTURED PRODUCTS-----	529	524	5					
4012 NONFERROUS METAL SCRAP-----	59		59					
4112 COMMODITIES, NEC-----	2,269	14	2,255					

PORT TOWNSEND HARBOR, WASH.

SECTION INCLUDED: POINT WILSON ON THE NORTH TO INCHWALE ON THE SOUTH. CONTROLLING DEPTH: CHANNEL FROM DEEP WATER TO BOAT BASIN, 8.9 FEET; OUTER PORTION OF ENTRANCE CHANNEL IN BOAT BASIN, 11.3 FEET; INNER PORTION OF ENTRANCE CHANNEL IN BOAT BASIN, 11.8 FEET; PROJECT DEPTH: 10 AND 12 FEET ALOW IN THE INNER AND OUTER SECTIONS OF THE DOCKING BASIN, RESPECTIVELY.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1978-----	680,737		680,737	200,734	1983-----	558,213	1,050	559,263	303,165
1979-----	534,061		534,061	739,362	1984-----	689,160		689,160	320,165
1980-----	701,267		701,267	254,672	1985-----	498,869		498,869	316,465
1981-----	663,937		663,937	296,302	1986-----	526,339	8,387	534,746	384,244
1982-----	764,139		764,139	468,286	1987-----	491,271	21,854	513,125	343,211

PORT TOWNSEND HARBOR, WASH.--CONTINUED

ADDITIONAL TRAFFIC

YEAR	TONS	CAR FERRY- RAILROAD CARS			GENERAL FERRY		YEAR	TONS	CAR FERRY- RAILROAD CARS			GENERAL FERRY	
		EMPTY	LOADED	TOTAL	VEHICLES	PASSENGERS			EMPTY	LOADED	TOTAL	VEHICLES	PASSENGERS
1978-----	**	*****	*****	*	150,666	200,734	1983-----	**	*****	*****	*	211,015	303,165
1979-----	**	*****	*****	*	555,443	739,362	1984-----	**	*****	*****	*	219,371	520,195
1980-----	**	*****	*****	*	200,764	254,672	1985-----	**	*****	*****	*	225,486	516,465
1981-----	**	*****	*****	*	216,952	296,302	1986-----	**	*****	*****	*	252,942	331,302
1982-----	**	*****	*****	*	202,248	488,286	1987-----	**	*****	*****	*	233,555	343,211

* CARGO REPORTED AS FREIGHT TRAFFIC.
** NOT REPORTED.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC INTERNAL	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	513,125	213,912	37,692	228,989	32,532
0101 COTTON, RAW-----	20	-----	20	-----	-----
0129 FIELD CROPS, NEC-----	124	-----	124	-----	-----
0131 FRESH FRUITS-----	14	-----	14	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	76	-----	76	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	34	16	18	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	183	-----	-----	183	-----
0912 SHELLFISH, EXCEPT PREPARED-----	193	-----	-----	193	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	21,966	20,560	-----	-----	1,400
2011 MEAT, FRESH, CHILLED, FROZEN-----	40	-----	40	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	279	-----	279	-----	-----
2022 DRIED MILK AND CREAM-----	109	-----	109	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	24	-----	24	-----	-----
2042 ANIMAL FEEDS-----	1,670	-----	1,670	-----	-----
2081 ALCOHOLIC BEVERAGES-----	79	-----	79	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	38	-----	38	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	3	-----	3	-----	-----
2412 RAFTED LOGS-----	21,854	-----	-----	11,562	10,292
2413 FUEL WOOD, CHARCOAL, WASTES-----	82,446	40,351	-----	42,095	-----
2416 WOOD CHIPS, STAVES, MULCHINGS-----	254,892	125,721	-----	129,171	-----
2421 LUMBER-----	1,999	-----	1,999	-----	-----
2491 WOOD MANUFACTURES, NEC-----	159	-----	159	-----	-----
2511 FURNITURE AND FIXTURES-----	20	12	8	-----	-----
2611 PULP-----	41,407	-----	20,567	-----	20,840
2621 STANDARD NEWSPRINT PAPER-----	557	-----	557	-----	-----
2631 PAPER AND PAPERBOARD-----	36	-----	36	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	69	-----	69	-----	-----
2821 PLASTIC MATERIALS-----	156	-----	156	-----	-----
2831 DRUGS-----	11	11	-----	-----	-----
2841 SOAP-----	9,814	-----	9,814	-----	-----
2861 GUM AND WOOD CHEMICALS-----	37,691	-----	-----	37,691	-----
2911 GASOLINE-----	1,942	-----	-----	1,942	-----
2914 DISTILLATE FUEL OIL-----	4,021	-----	-----	4,021	-----
2915 RESIDUAL FUEL OIL-----	2,113	-----	-----	2,113	-----
2916 LUBRICATING OILS AND GREASES-----	36	-----	18	18	-----
3011 RUBBER AND MISC PLASTIC PROD-----	35	-----	35	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	8	7	1	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	5	-----	5	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	20	-----	20	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	40	-----	40	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	72	-----	72	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	101	-----	101	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	146	-----	146	-----	-----
3411 FABRICATED METAL PRODUCTS-----	616	595	21	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	13	1	12	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	74	22	52	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	19	-----	19	-----	-----
3731 SHIPS AND BOATS-----	1	-----	1	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3	-----	3	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	24	-----	24	-----	-----
4011 IRON AND STEEL SCRAP-----	26,613	26,613	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	54	-----	54	-----	-----
4024 PAPER WASTE AND SCRAP-----	1,154	-----	1,154	-----	-----
4112 COMMODITIES, NEC-----	4	3	1	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	54	-----	54	-----	-----

PORT GAMBLE HARBOR, WASH.

SECTION INCLUDED: ENTRANCE CHANNEL AND PORT GAMBLE HARBOR, CONTROLLING DEPTH: 25.1 FEET AT MLLW, PROJECT DEPTH: 26 FEET AT MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	293,550	208,968	502,518	1983-----	328,370	247,457	575,827
1979-----	190,235	221,292	411,527	1984-----	358,066	419,391	777,457
1980-----	363,684	251,360	615,044	1985-----	390,183	273,129	663,312
1981-----	373,476	279,277	652,753	1986-----	307,470	343,174	650,644
1982-----	303,856	228,420	532,276	1987-----	270,176	371,721	641,897

PORT GAMBLE HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC		
		EXPORTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS	INTERNAL SHIPMENTS
TOTAL-----	641,897	2,040	95,894	320,717	223,246
2812 RAFTED LOGS-----	571,721	-----	-----	320,717	51,004
2813 FUEL OIL, CHANCOAL, WASTES-----	42,677	-----	-----	-----	42,677
2816 WOOD CHIPS, STAVES, MULDINGS-----	131,605	2,040	-----	-----	129,565
2821 LUMBER-----	95,894	-----	95,894	-----	-----

HAMMERSLEY INLET, WASH.

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 MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	302,539	902,996	1,205,535	1983-----	228,339	847,582	1,075,921
1979-----	149,242	886,802	1,036,044	1984-----	193,706	807,975	1,001,681
1980-----	211,633	935,565	1,147,198	1985-----	148,564	352,694	501,458
1981-----	227,306	681,909	1,109,215	1986-----	133,576	232,274	365,852
1982-----	221,413	769,020	1,010,433	1987-----	151,074	263,874	414,953

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL	
		INBOUND	OUTBOUND
TOTAL-----	414,953	8,804	406,149
0911 FRESH FISH, EXCEPT SHELLFISH-----	394	394	-----
0912 SHELLFISH, EXCEPT PREPARED-----	726	726	-----
2812 RAFTED LOGS-----	263,874	7,684	256,190
2816 WOOD CHIPS, STAVES, MULDINGS-----	149,959	-----	149,959

OLYMPIA HARBOR, WASH.

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 MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	566,001	303,489	869,490	1983-----	236,832	178,499	415,331
1979-----	607,642	186,188	793,830	1984-----	503,192	318,397	821,589
1980-----	589,687	131,312	720,999	1985-----	479,033	126,550	605,583
1981-----	361,974	461,346	823,320	1986-----	312,140	886,370	1,198,510
1982-----	388,241	106,179	494,420	1987-----	492,868	418,616	911,484

* PASSENGERS--1,264.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE	INTERNAL		
				SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	911,484	20,627	405,656	19,365	208,019	254,917	2,900
0841 CRUDE RUBBER AND ALLIED GUMS-----	13,957	13,957	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	526	-----	-----	-----	526	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	367	-----	-----	-----	367	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	1	-----	1	-----	-----	-----	-----
2311 APPAREL-----	4	4	-----	-----	-----	-----	-----
2411 LOGS-----	400,462	-----	400,462	-----	-----	-----	-----
2412 RAFTED LOGS-----	418,616	-----	-----	-----	197,799	217,917	2,900
2421 LUMBER-----	20,994	1,629	-----	19,365	-----	-----	-----
2891 WOOD MANUFACTURES, NEC-----	36	36	-----	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	792	-----	-----	-----	792	-----	-----
2915 RESIDUAL FUEL OIL-----	8,535	-----	-----	-----	8,535	-----	-----

OLYMPIA HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS	INTERNAL SHIPMENTS	
2920 COKE, PETROLEUM COKE-----	4,409	4,409					
3211 GLASS AND GLASS PRODUCTS-----	5,193		5,193				
3311 PIG IRON-----	584	584					
3611 ELECTRICAL MACH AND EQUIP-----	8	8					
4029 WASTE AND SCRAP, NEC-----	37,000					37,000	

TACOMA HARBOR, WASH.

SECTION INCLUDED: ALL OF COMMENCEMENT BAY AND TRIBUTARY WATERWAYS EAST OF A LINE EXTENDING FROM BROWN POINT TO AND INCLUDING THE MARVES OF THE TACOMA SMELTER. CONTROLLING DEPTHS: CITY WATERWAY, 28.9 TO 16.2 FEET; MYLEBOS WATERWAY, 23.4 FEET; LEAST DEPTH IN TURNING BASIN 29.2 FEET; BLAIR (PORT INDUSTRIAL WATERWAY), 32.8 FEET. PROJECT DEPTHS: CITY WATERWAY, 29 TO 19 FEET; MYLEBOS WATERWAY, 30 FEET; BLAIR (PORT INDUSTRIAL WATERWAY), 30 TO 35 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1978-----	12,388,337	695,617	13,083,954	179,265	1983-----	13,270,172	1,188,202	14,458,374	226,406
1979-----	14,280,941	911,609	15,192,550	184,909	1984-----	16,062,681	1,320,544	17,383,225	472,546
1980-----	15,879,548	1,282,662	17,162,210	175,592	1985-----	14,703,611	1,090,921	15,794,532	492,064
1981-----	14,194,501	976,263	15,170,764	193,906	1986-----	14,943,410	1,229,676	16,173,086	257,401
1982-----	12,168,282	1,078,657	13,246,939	432,550	1987-----	16,332,187	797,601	17,129,788	231,336

ADDITIONAL TRAFFIC

YEAR	TONS	CAR FERRY-RAILROAD CARS			GENERAL FERRY		YEAR	TONS	CAR FERRY-RAILROAD CARS			GENERAL FERRY	
		EMPTY	LOADED	TOTAL	VEHICLES	PASSENGERS			EMPTY	LOADED	TOTAL	VEHICLES	PASSENGERS
1978-----	#			**	206,306	179,265	1983-----	#			**	222,278	226,406
1979-----	#			**	221,609	184,909	1984-----	#			**	233,522	472,546
1980-----	#			**	200,840	175,592	1985-----	#			**	262,242	492,064
1981-----	#			**	226,408	193,906	1986-----	#			**	257,619	257,401
1982-----	#			**	877,440	432,550	1987-----	#	298		298	238,776	231,336

* INCLUDES AUTOMOBILES, TRUCKS, AND TRAILERS.

** CARGO REPORTED AS FREIGHT TRAFFIC.

NOT REPORTED.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS	INTERNAL SHIPMENTS	
TOTAL-----	17,129,788	3,684,415	7,737,710	1,675,775	1,324,550	1,613,157	478,317	415,886
0101 CUTOFF, RAM-----	33,039		33,039					
0102 BARLEY AND RYE-----	691,722	34	691,688					
0103 CURRY-----	1,501,788	486	1,501,302					
0104 OATS-----	128		128					
0105 RICE-----	1,168	821	3		344			
0107 MEAT-----	46,574	10	46,574					
0111 SOYBEANS-----	202,654		202,654					
0112 FLAXSEED-----	100				100			
0119 JILSEEDS, NEC-----	1,215	663	549		1			
0121 TOBACCO, LEAF-----	4,447	1,201	3,246					
0129 FIELD CROPS, NEC-----	4,365	2,226	2,139					
0131 FRESH FRUITS-----	49,469	7,626	41,843					
0133 COFFEE-----	5,170	4,732	37		431			
0141 FRESH AND FROZEN VEGETABLES-----	36,261	4,027	32,118		116			
0151 LIVE ANIMALS-----	20	14			6			
0161 ANIMALS AND PRODUCTS, NEC-----	1,964	1,753	211					
0191 MISCELLANEOUS FARM PRODUCTS-----	499	498	1					
0841 CRUDE RUBBER AND ALLIED GUMS-----	108,598	108,027	571					
0861 FOREST PRODUCTS, NEC-----	1,991	1,740	251					
0911 FRESH FISH, EXCEPT SHELLFISH-----	38,461	3,724	26,816	5,493	1,724	724		
0912 SHELLFISH, EXCEPT PREPARED-----	6,578	2,126	2,696	46	62	1,648		
0951 MARINE SHELLS, UNMANUFACTURED-----	107	30	67					
1011 IRON ORE AND CONCENTRATES-----	1	1						
1021 COPPER ORE AND CONCENTRATES-----	62	62						
1051 ALUMINUM ORES, CONCENTRATES-----	475,099	475,094	4					
1091 NONFERROUS METALS, CONCENT, NEC-----	45,377	45,371	6					
1121 COAL AND LIGNITE-----	28,425		107		29,518			
1111 CRUDE PETROLEUM-----	1,670,158	173,536		1,496,622				
1411 LIMESTONE-----	117,443	117,443						
1412 BUILDING STONE, UNWORKED-----	25		25					
1442 SAND, GRAVEL, CRUSHED ROCK-----	440,041	36,147	15,003			438,091	800	
1451 CLAY-----	6,879	266	6,593					
1471 PHOSPHATE ROCK-----	40		40					
1479 NATURAL FERTILIZER MATS, NEC-----	20	20						

SEATTLE, WA, DISTRICT

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TACOMA HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1967--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL RECEIPTS SHIPMENTS	
1491 SALT-----	554,929	441,866	110,728		2,335	
1492 SULPHUR, DRY-----	237		237			
1494 GYPSUM, CRUDE AND PLASTERS-----	469,529	469,162	367			
1499 NONMETALLIC MINERALS, NEC-----	12,377	622	11,755			
1911 DRYVANCE AND ACCESSORIES-----	303	295	12		6	
2011 MEAT, FRESH, CHILLED, FROZEN-----	63,992	36,711	27,259	22		
2012 MEAT AND PRODUCTS, NEC-----	2,285	1,982	303			
2014 TALLOW, ANIMAL FATS AND OILS-----	36,980		36,980			
2015 ANIMAL BY-PRODUCTS, NEC-----	1,370	56	1,314			
2021 DAIRY PRODUCTS, NEC-----	2,274	1,350	944			
2022 DRIED MILK AND CREAM-----	25,467	431	25,036			
2031 FISH AND SHELLFISH, PREPARED-----	56,050	15,010	9,791	31,446	803	
2034 VEGETABLES AND PREP, NEC-----	7,307	3,009	3,438		60	
2039 PREP FRUIT AND VEG JUICE, NEC-----	34,332	27,481	5,648	38	1,165	
2041 WHEAT FLOUR AND SEMOLINA-----	742		742			
2042 ANIMAL FEEDS-----	56,515	7,683	50,604	166		
2049 GRAIN MILL PRODUCTS, NEC-----	21,297	2,537	18,760			
2061 SUGAR-----	134		117			
2081 ALCOHOLIC BEVERAGES-----	12,556	10,928	717	10	901	
2091 VEGETABLE OILS, MARG, SHORT-----	562	174	315	73		
2094 GROCERIES-----	288,157				288,157	
2095 ICE-----	338	222	98	18		
2099 MISCELLANEOUS FOOD PRODUCTS-----	58,236	13,674	51,398	49	13,115	
2111 TOBACCO MANUFACTURES-----	16,949	14	16,932		3	
2211 BASIC TEXTILE PRODUCTS-----	58,442	36,875	1,409	5	153	
2212 TEXTILE FIBERS, NEC-----	216				5	
2311 APPAREL-----	132,561	131,103	134	389	935	
2411 LOGS-----	2,300,322	7,104	2,293,218			
2412 RAFTED LOGS-----	797,601					
2413 FUEL OIL, CHARCOAL, WASTES-----	2,389	1,625	182		496,988	149,259
2414 TIMBER, POLES, POLES, PILING-----	290	55	81		562	151,354
2416 WOOD CHIPS, STAVES, MULDINGS-----	1,629,127	79,042	720,845		40	114
2421 LUMBER-----	629,452	7,675	579,055		227,663	1,577
2431 VENEER, PLYWOOD, WORKED WOOD-----	10,260	7,529	2,731			
2491 WOOD MANUFACTURES, NEC-----	59,737	15,755	5,485		18,497	
2511 FURNITURE AND FIXTURES-----	52,334	30,073	2,049	11,160	9,050	
2611 PULP-----	136,975	705	136,270			
2621 STANDARD NEWSPRINT PAPER-----	66,698	13,816	53,082			
2631 PAPER AND PAPERBOARD-----	101,118	5,072	96,036	1	9	
2691 PULP AND PAPER PRODUCTS, NEC-----	22,102	3,304	1,944		16,854	
2711 PRINTED MATTER-----	16,566	14,673	1,471		422	
2810 SODIUM HYDROXIDE-----	159,708				68,162	91,546
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	3,251	2,365	824		64	
2812 DYES, PIGMENT, TANNING MATS-----	141		141			
2813 ALCOHOLS-----	26,177	19,913	264			
2817 BENZENE AND TOLUENE-----	5,463		4,410		1,053	
2819 BASIC CHEMICALS AND PROD, NEC-----	162,130	6,898	138,696		16,556	
2821 PLASTIC MATERIALS-----	105,383	25,054	79,685		59	
2822 SYNTHETIC RUBBER-----	9,732	1	9,731			
2823 SYNTHETIC (MAN-MADE) FIBERS-----	2,685	845	1,840			
2831 DRUGS-----	3,073	1,080	1,993			
2841 SOAP-----	31,480	995	30,477		8	
2851 PAINTS-----	8,347	7,740	607			
2861 GUM AND WOOD CHEMICALS-----	48,774	23	49		47,090	1,562
2871 NITROGENOUS CHEM FERTILIZERS-----	334	1	333			
2872 POTASSIC CHEM FERTILIZERS-----	41		41			
2876 INSECTICIDES, DISINFECTANTS-----	2,701	573	2,128			
2879 FERTILIZER AND MATERIALS, NEC-----	69	40	29			
2891 MISCELLANEOUS CHEMICAL PROD-----	42,685	4,167	6,366		9,763	22,375
2911 GASOLINE-----	154,797	82,050	9,043	45,882	45	17,777
2912 JET FUEL-----	33,956	1,441	6,808	5,012		7,394
2914 DISTILLATE FUEL OIL-----	131,855	12,767	25,944	4,509	28,264	34,419
2915 RESIDUAL FUEL OIL-----	821,860	49,001	4,452		19,719	280,234
2916 LUBRICATING OILS AND GREASES-----	10,876	33	1,480		9,009	285
2917 NAT. GAS, PETROLEUM SOLVENTS-----	2		2			
2918 ASPHALT, TAR, AND BITUMENS-----	10,773	10,163			610	
2920 COKE, PETROLEUM COKE-----	242		242			
2921 LIQUEFIED GASES-----	395		217		178	
2951 ASPHALT BUILDING MATERIALS-----	18		18			
2991 PETROLEUM AND COAL PROD, NEC-----	51,241	5	67	9	3,001	27,009
3011 RUBBER AND MISC PLASTIC PROD-----	83,849	72,726	3,423	6,236	1,462	
3111 LEATHER AND LEATHER PRODUCTS-----	64,969	63,721	899		369	
3211 GLASS AND GLASS PRODUCTS-----	13,782	11,659	2,091		2	
3241 BUILDING CEMENT-----	21,948	21,881	67			
3251 STRUCTURAL CLAY PRODUCTS-----	5,922	5,415	457		50	
3271 LIME-----	348		348			
3281 CUT STONE AND STONE PRODUCTS-----	1,426	1,356	44		26	
3291 MISC NONMETALLIC MINERAL PROD-----	51,848	30,447	1,480		18,356	75
3311 PIG IRON-----	2,756		2,756			390
3314 IRON AND STEEL PRIMARY FORMS-----	1,539	1,534	5			
3315 IRON, STEEL SHAPES, EXC SHEET-----	35,637	35,245	392			
3316 IRON AND STEEL PLATES, SHEETS-----	6,222		6,204		18	
3317 IRON AND STEEL PIPE AND TUBE-----	14,009	13,812	161		36	
3318 FERRALLLOTS-----	5,636	4,526	1,304			
3319 IRON AND STEEL PRODUCTS, NEC-----	2,379	2,214	158		7	
3321 NONFERROUS METALS, NEC-----	3,597	1,813	1,784			
3322 COPPER ALLOYS, UNWORKED-----	13,359	12,521	829		9	
3323 LEAD AND ZINC, UNWORKED-----	13,476	2,273	11,203			
3324 ALUMINUM AND ALLOYS, UNWORKED-----	110,445	3,079	107,366			
3411 FABRICATED METAL PRODUCTS-----	164,571	102,653	7,893	4,012	50,013	
3511 MACHINERY, EXCEPT ELECTRICAL-----	170,148	150,767	13,852	610	2,839	1,080
3611 ELECTRICAL MACH AND EQUIP-----	234,244	217,076	13,725	4	3,439	1,000
3711 MOTOR VEHICLES, PARTS, EQUIP-----	360,984	313,430	4,832	16,644	25,578	249,996
3721 AIRCRAFT AND PARTS-----	149	69	75		5	17

TACOMA HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
3731 SHIPS AND BOATS-----	4,484	4,030	370	-----	84	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,291	944	346	-----	1	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	24,539	14,937	9,592	-----	10	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	120,995	113,277	2,916	-----	4,802	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	346,495	56,047	289,048	-----	-----	1,400	-----	-----
4012 NONFERROUS METAL SCRAP-----	22,172	64	22,108	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	1,155	-----	1,155	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	39,615	-----	39,615	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	34,858	-----	-----	-----	-----	30,658	-----	4,200
4112 COMMODITIES, NEC-----	642,791	26,458	5,903	32,741	574,679	-----	-----	-----
4119 EMPTY CONTAINERS-----	14,574	-----	-----	14,574	-----	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	96	-----	96	-----	-----	-----	-----	-----

SEATTLE HARBOR, WASH.

SECTION INCLUDED: FROM UNION OIL DOCK NEAR EDMONDS ON THE NORTH TO FAULTIEROY FERRY SLIP ON THE SOUTH, INCLUDING ELLIOTT BAY, EAST, WEST, AND DUNAMISH 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; DUNAMISH WATERWAY, 18.2 FEET FROM HEAD OF WEST WATERWAY TO 1ST AVENUE SO., 11.0 FEET FROM 1ST AVENUE SO. TO 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 28.1 FEET; KENMORE NAVIGATION CHANNEL, 13.7 FEET. PROJECT DEPTHS: ELLIOTT BAY, UNLIMITED; EAST AND WEST WATERWAYS, 34 FEET; DUNAMISH 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

YEAR	VESSEL TRAFFIC (TUNS)	RAFTED (TUNS)	TOTAL (TUNS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TUNS)	RAFTED (TUNS)	TOTAL (TUNS)	PASSENGERS
1978-----	22,137,870	343,795	22,481,665	6,540,219	1983-----	17,467,937	115,873	17,583,810	6,577,348
1979-----	19,791,540	246,890	20,038,430	6,290,453	1984-----	20,269,324	58,550	20,327,874	12,545,418
1980-----	21,106,410	182,428	21,288,838	6,899,602	1985-----	16,026,992	203,021	16,230,013	14,706,012
1981-----	20,320,142	194,412	20,514,554	6,944,579	1986-----	16,320,133	771,805	17,097,938	9,575,907
1982-----	17,688,117	117,051	17,805,168	10,071,587	1987-----	17,952,966	599,784	18,552,750	8,378,848

ADDITIONAL TRAFFIC

YEAR	TUNS	CAN FERRY-RAILROAD CARS			GENERAL FERRY		YEAR	TUNS	CAN FERRY-RAILROAD CARS			GENERAL FERRY	
		EMPTY	LOADED	TOTAL	#VEHICLES	PASSENGERS			EMPTY	LOADED	TOTAL	#VEHICLES	PASSENGERS
1978-----	**	-----	-----	-----	3,704,037	6,540,219	1983-----	**	133	-----	133	3,473,165	6,577,348
1979-----	**	-----	-----	-----	4,566,263	6,290,453	1984-----	**	-----	-----	-----	4,727,421	12,545,418
1980-----	**	-----	-----	-----	3,771,474	6,899,602	1985-----	**	-----	-----	-----	5,909,144	14,706,012
1981-----	**	-----	-----	-----	3,485,863	6,944,579	1986-----	**	-----	-----	-----	6,120,764	9,575,907
1982-----	**	-----	-----	-----	3,431,350	10,071,587	1987-----	**	-----	-----	-----	6,041,463	8,378,848

* INCLUDES AUTOMOBILES, TRUCKS, AND TRAILERS.
 ** NOT REPORTED.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	18,552,750	5,323,270	5,767,502	1,342,727	916,161	3,260,556	992,217	946,317
0101 COTTON, RAW-----	100,110	41	100,036	-----	33	-----	-----	-----
0102 BARLEY AND RYE-----	60,693	1,513	59,069	-----	111	-----	-----	-----
0103 CORN-----	1,330,888	94	1,327,276	-----	3,518	-----	-----	-----
0104 OATS-----	2,044	-----	2,044	-----	-----	-----	-----	-----
0105 RICE-----	9,117	9,035	82	-----	-----	-----	-----	-----
0106 SUGARHJM GRAINS-----	9,245	-----	9,245	-----	-----	-----	-----	-----
0107 WHEAT-----	129,812	-----	129,812	-----	-----	-----	-----	-----
0111 SOYBEANS-----	107,977	-----	107,547	-----	430	-----	-----	-----
0119 OILSEEDS, NEC-----	2,016	94	1,984	-----	338	-----	-----	-----
0121 TOBACCO, LEAF-----	1,614	1,523	91	-----	-----	-----	-----	-----
0122 HAY AND FODDER-----	204	-----	-----	-----	204	-----	-----	-----
0129 FIELD CROPS, NEC-----	30,815	2,659	27,771	-----	385	-----	-----	-----
0131 FRESH FRUITS-----	151,491	26,413	119,460	264	5,349	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	95	95	-----	-----	-----	-----	-----	-----
0133 COFFEE-----	4,148	3,472	148	28	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	174,227	3,554	157,611	547	12,715	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	11,606	2,192	6,642	2,772	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	2,727	1,448	269	21	990	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	3,330	1,613	465	14	1,258	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	122,001	19,853	63,702	25,820	1,302	11,324	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	16,280	4,342	6,464	2,274	1,924	1,271	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	2,620	64	1,614	937	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	380	-----	-----	-----	380	-----	-----	-----
1021 COPPER ORE AND CONCENTRATES-----	98	-----	98	-----	-----	-----	-----	-----

SEATTLE, WA, DISTRICT

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SEATTLE HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1967--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
1051 ALUMINUM ORES, CONCENTRATES-----	665	765	100	-----	-----	-----	-----	-----
1091 NONFERRUGIOUS ORES, CONCENT, NEC-----	9,167	7,033	1,966	-----	106	-----	-----	-----
1121 COAL AND LIGNITE-----	2,065	-----	1,833	252	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	42,904	-----	-----	42,146	158	-----	-----	-----
1411 LIMESTONE-----	180,123	179,897	117	-----	159	-----	-----	-----
1412 BUILDING STONE, UNADORNED-----	5,604	-----	5,604	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,556,652	702,000	6,281	-----	2,610	1,785,422	43,955	17,024
1451 CLAY-----	150,549	916	36,704	652	644	111,653	-----	-----
1471 PHOSPHATE ROCK-----	148	-----	148	-----	-----	-----	-----	-----
1479 NATURAL FERTILIZER MATS, NEC-----	165	165	-----	-----	-----	-----	-----	-----
1491 SALT-----	24,824	553	12,029	185	12,257	-----	-----	-----
1492 SULPHUR, OXY-----	46,392	-----	26,909	40	19,443	-----	-----	-----
1499 GYPSUM, CRUDE AND PLASTERS-----	47,131	33,147	9,647	-----	5,137	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	28,732	480	25,463	-----	2,714	-----	75	-----
1911 ORDNANCE AND ACCESSORIES-----	1,053	775	278	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	56,015	4,995	44,735	57	6,228	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	4,311	1,120	2,563	628	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	32,946	-----	32,946	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	206,908	122	206,786	-----	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	2,345	476	86	26	1,737	-----	-----	-----
2022 DRIED MILK AND CREAM-----	20,158	773	19,385	-----	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	162,054	20,914	12,417	127,480	1,243	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	46,621	24,553	14,151	230	7,887	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	107,748	48,102	12,486	42,145	5,015	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	8,624	-----	453	-----	8,171	-----	-----	-----
2042 ANIMAL FEEDS-----	315,894	1,405	300,622	1	13,666	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	35,043	4,056	27,551	-----	3,436	-----	-----	-----
2061 SUGAR-----	2,471	1,040	215	117	1,091	-----	-----	-----
2062 MOLASSES-----	35,113	-----	-----	18,510	-----	-----	-----	18,603
2081 ALCOHOLIC BEVERAGES-----	112,271	59,189	31,849	25	21,208	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	5,276	2,206	2,755	-----	313	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	650	21	3	626	-----	-----	-----	-----
2094 GROCERIES-----	29,054	-----	-----	83	28,971	-----	-----	-----
2095 ICE-----	2,666	1,036	1,510	140	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	112,727	25,871	57,081	3,545	26,230	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	215	48	167	-----	-----	-----	-----	-----
2111 BASIC TEXTILE PRODUCTS-----	93,699	87,295	6,090	-----	314	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	136	111	-----	-----	25	-----	-----	-----
2311 APPAREL-----	173,111	172,651	358	102	-----	-----	-----	-----
2411 LOGS-----	115,481	44,135	71,310	-----	36	-----	-----	-----
2412 RAFTED LOGS-----	599,884	-----	-----	-----	2,700	23,947	470,078	103,159
2413 FUEL ADDD, CHARCOAL, WASTES-----	5,552	259	1,717	12	3,564	-----	-----	-----
2414 TIMBER, PULPS, MOLES, PILING-----	13,495	74	692	156	3,585	3,344	2,456	3,191
2416 WOOD CHIPS, STAVES, MULDINGS-----	35,149	32,988	2,161	-----	-----	-----	-----	-----
2421 LUMBER-----	757,543	13,204	637,385	22,266	81,822	2,473	768	25
2431 VENEER, PLYWOOD, WORKED WOOD-----	30,745	10,169	11,530	4	9,002	-----	40	-----
2441 WOOD MANUFACTURES, NEC-----	116,779	28,196	64,119	81	24,583	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	106,972	91,569	2,247	5,672	7,484	-----	-----	-----
2611 PULP-----	535,459	171	377,920	68,148	89,220	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	361,483	263,701	88,478	34	9,270	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	486,091	26,454	445,101	-----	13,036	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	46,590	9,117	7,345	2,412	27,716	-----	-----	-----
2711 PRINTED MATTER-----	19,905	16,963	2,626	-----	316	-----	-----	-----
2810 SODIUM HYDROXIDE-----	41,655	-----	-----	-----	378	41,277	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	14,599	6,667	335	7,209	408	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	474	-----	474	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	3,443	1,726	710	-----	1,007	-----	-----	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	238	113	2	123	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	491	495	6	-----	-----	-----	-----	-----
2818 SULPHURIC ACID-----	165	-----	-----	-----	165	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	138,115	46,533	59,868	264	31,450	-----	-----	-----
2821 PLASTIC MATERIALS-----	144,017	47,030	93,201	-----	3,766	-----	-----	-----
2822 SYNTHETIC RUBBER-----	366	187	179	-----	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	5,633	1,594	4,034	-----	-----	-----	-----	-----
2831 DRUGS-----	5,909	2,640	3,065	-----	4	-----	-----	-----
2841 SOAP-----	99,193	5,606	94,672	36	677	-----	-----	-----
2851 PAINTS-----	20,096	17,273	2,511	-----	312	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	235,268	41	1,771	4,700	4,825	113,623	109,131	1,174
2871 NITROGENOUS CHEM FERTILIZERS-----	12,507	1	-----	-----	12,506	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	254	-----	254	-----	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	5,367	1,935	3,432	-----	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	3,628	1,932	404	84	1,206	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	33,966	5,280	8,586	308	19,792	-----	-----	-----
2911 GASOLINE-----	754,501	120,216	65	383,481	16,668	148,648	48,465	36,956
2912 JET FUEL-----	122,468	1,956	5,961	28,797	16,284	69,470	-----	-----
2913 KEROSENE-----	3,338	-----	3,338	-----	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	491,006	5,045	41,809	183,488	55,194	101,733	40,788	84,949
2915 RESIDUAL FUEL OIL-----	1,232,187	3,493	11,915	43,719	17,653	345,523	264,082	545,602
2916 LUBRICATING OILS AND GREASES-----	38,573	2,284	3,956	27,101	4,296	-----	574	360
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1,508	-----	543	965	-----	-----	-----	-----
2918 ASPHALT, TAR, AND BITUMENS-----	168,262	7,304	250	157,048	3,600	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	22,924	-----	555	-----	22,369	-----	-----	-----
2921 LIQUEFIED GASES-----	6,030	80	46	-----	5,904	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	1,060	-----	390	21	649	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	404,963	519	369	10,896	25,875	359,629	7,648	7
3011 RUBBER AND MISC PLASTIC PROD-----	238,153	215,705	20,467	118	1,863	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	117,983	104,327	13,656	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	33,825	21,404	10,730	7	1,184	-----	-----	-----
3241 BUILDING CEMENT-----	457,039	383,448	325	47	40,782	32,342	95	-----
3251 STRUCTURAL CLAY PRODUCTS-----	23,022	19,105	3,126	-----	791	-----	-----	-----
3271 LIME-----	2,420	-----	327	-----	2,093	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	34,439	34,220	117	-----	102	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	102,446	64,742	9,570	43	26,335	906	850	-----
3311 PIG IRON-----	635	-----	469	-----	166	-----	-----	-----

SEATTLE HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3312 SLAG-----	1,654	-----	-----	-----	1,654	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	1,021	78	679	-----	264	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	144,121	134,948	263	4,717	3,699	32	47	415
3316 IRON AND STEEL PLATES, SHEETS-----	11,403	796	5,374	-----	5,233	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	54,316	38,994	846	4,451	10,019	-----	-----	-----
3318 FERROALLOYS-----	1,747	482	1,265	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	11,110	8,708	2,059	-----	343	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	10,123	2,262	7,134	587	20	-----	-----	120
3322 COPPER ALLOYS, UNWORKED-----	14,780	4,721	9,899	-----	160	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	14,647	3,494	11,008	-----	140	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	127,360	33,392	93,968	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	409,965	323,981	22,729	8,286	54,619	30	320	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	463,276	413,642	33,591	10,677	23,618	605	675	466
3611 ELECTRICAL MACH AND EQUIP-----	510,336	486,214	22,710	116	1,281	-----	10	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	402,318	339,870	13,312	25,333	23,803	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	6,333	6,076	205	11	41	-----	-----	-----
3731 SHIPS AND BOATS-----	14,989	8,040	4,540	1,403	1,006	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	4,121	994	1,710	148	1,269	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	45,900	43,313	2,567	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	243,861	220,199	5,705	12,670	5,287	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	47,532	32	27,056	15,805	1,764	1,415	1,460	-----
4012 NONFERROUS METAL SCRAP-----	81,611	339	81,075	197	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	7,932	452	7,480	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	242,675	21	242,608	46	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	127,361	-----	-----	197	-----	200	700	126,264
4111 WATER-----	11	-----	-----	11	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	333,934	134,805	26,157	41,027	124,945	-----	-----	7,000
4119 EMPTY CONTAINERS-----	1,926	-----	-----	1,748	178	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	6,285	-----	6,285	-----	-----	-----	-----	-----

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

SECTION INCLUDED: AS DESCRIBED UNDER SEATTLE HARBOR, WASH.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1978-----	1,733,392	211,265	1,944,657	-----	1983-----	543,657	59,965	603,622	94,178
1979-----	1,793,454	145,891	1,939,345	68,085	1984-----	1,233,876	31,964	1,271,840	95,346
1980-----	1,571,658	102,495	1,674,153	36,397	1985-----	1,632,092	203,021	1,835,113	94,437
1981-----	1,831,263	145,361	1,976,624	65,936	1986-----	1,228,971	531,580	1,760,551	104,496
1982-----	1,226,680	90,027	1,316,707	27,747	1987-----	1,078,926	541,474	1,620,400	116,590

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,620,400	145,665	610	85,675	139,388	698,397	419,202	131,463
0122 HAY AND FODDER-----	204				204			
0131 FRESH FRUITS-----	1				1			
0141 FRESH AND FROZEN VEGETABLES-----	355		353		2			
0861 FOREST PRODUCTS, NEC-----	106				106			
0911 FRESH FISH, EXCEPT SMALL FISH-----	7,141	5,708		135	1,298			
1442 SAND, GRAVEL, CRUSHED ROCK-----	774,294	96,164			416	671,534	2,875	3,300
1451 CLAY-----	15				15			
1491 SALT-----	6,668			185	6,483			
1499 NONMETALLIC MINERALS, NEC-----	219				144		75	
2011 MEAT, FRESH, CHILLED, FROZEN-----	1,191				1,191			
2031 FISH AND SHELLFISH, PREPARED-----	73,976			73,367	53	556		
2034 VEGETABLES AND PREP, NEC-----	43			43				
2039 PREP FRUIT AND VEG JUICE, NEC-----	1,662				1,662			
2041 WHEAT FLOUR AND SEMOLINA-----	257		257					
2042 ANIMAL FEEDS-----	255			1	254			
2049 GRAIN MILL PRODUCTS, NEC-----	10				10			
2061 ALCOHOLIC BEVERAGES-----	2,640				2,640			
2094 GROCERIES-----	16,243				16,243			
2095 ICE-----	140			140				
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,940			6	2,934			
2211 BASIC TEXTILE PRODUCTS-----	9				9			
2212 TEXTILE FIBERS, NEC-----	17				17			
2411 LOGS-----	36				36			
2412 RAFTED LOGS-----	541,474				2,700	14,787	415,828	103,154
2414 TIMBER, PULPS, POLES, PILING-----	567				363		15	184
2421 LUMBER-----	9,135	26		184	5,900			25
2431 VENEER, PLYWOOD, WORKED WOOD-----	198			4	194			
2491 WOOD MANUFACTURES, NEC-----	5,166			58	5,108			
2511 FURNITURE AND FIXTURES-----	2,378			314	2,059			
2611 PULP-----	1,599			1,599				
2621 STANDARD WEASPRINT PAPER-----	34			34				

LAKE WASHINGTON SHIP CANAL, WASH.
(INCLUDED IN TRAFFIC OF SEATTLE HARBOR, WASH.)--CONTINUED

FREIGHT TRAFFIC, 1967--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2831 PAPER AND PAPERBOARD-----	9				9			
2891 PULP AND PAPER PRODUCTS, NEC-----	7,485			185	7,300			
2819 BASIC CHEMICALS AND PROD, NEC-----	390				390			
2821 PLASTIC MATERIALS-----	13				13			
2841 SOAP-----	1				1			
2851 PAINTS-----	198				198			
2861 GUM AND ADH. CHEMICALS-----	2,328			2,328				
2871 NITROGENOUS CHEM. FERTILIZERS-----	251				251			
2891 MISCELLANEOUS CHEMICAL PROD-----	359			11	348			
2911 GASOLINE-----	30,156	16,277			3,343			10,536
2912 JET FUEL-----	420				420			
2914 DISTILLATE FUEL OIL-----	15,404				216	5,584		9,604
2916 LUBRICATING OILS AND GREASES-----	149				59		64	66
2918 ASPHALT, TAR, AND PITCHES-----	475				475			
2921 LIQUEFIED GASES-----	925				925			
2951 ASPHALT BUILDING MATERIALS-----	60				60			
2991 PETROLEUM AND COAL PROD, NEC-----	1,051				1,051			
3011 RUBBER AND MIS. PLASTIC PROD-----	302			3	299			
3211 GLASS AND GLASS PRODUCTS-----	87				87			
3241 BUILDING CEMENT-----	7,688	6,319		94	1,230		95	
3251 STRUCTURAL CLAY PRODUCTS-----	21				21			
3271 LIME-----	9				9			
3281 CUT STONE AND STONE PRODUCTS-----	21,245	21,166			79			
3291 MIS. NONMETALLIC MINERAL PROD-----	6,036			24	5,106	96		
3315 IRON, STEEL SHAPES, EXC. SHEET-----	64				64			
3317 IRON AND STEEL PIPE AND TUBE-----	642				842			
3319 IRON AND STEEL PRODUCTS, NEC-----	343				343			
3321 NONFERROUS METALS, NEC-----	120							120
3322 COPPER ALLOYS, UNWORKED-----	160				160			
3411 FABRICATED METAL PRODUCTS-----	13,811			748	12,853	50	100	
3511 MACHINERY, EXCEPT ELECTRICAL-----	4,641			2,277	2,364			
3611 ELECTRICAL MACH. AND EQUIP-----	183				173		10	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,940			472	1,468			
3721 AIRCRAFT AND PARTS-----	12			11	1			
3731 SHIPS AND BOATS-----	1,088			428	660			
3791 MIS. TRANSPORTATION EQUIPMENT-----	230			66	164			
3911 MIS. MANUFACTURED PRODUCTS-----	18				18			
4011 IRON AND STEEL SCRAP-----	180			112	68		60	
4029 WASTE AND SCRAP, NEC-----	4,464							4,464
4112 COMMODITIES, NEC-----	47,456			2,401	45,057			
4119 EMPTY CONTAINERS-----	531			430	41			

EVERETT HARBOR AND SKYHOLM RIVER, WASH.

SECTION INCLUDED: PORT GARDNER BAY FROM THE ALEYHAEUSEN COMPANY THERMO-MECHANICAL MILL, ON THE SOUTH TO PRESTON POINT ON THE NORTH AND INCLUDING THE SKYHOLM RIVER AND TRIBUTARY RIVERS. 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 JURLINGTON NORTHERN RAILROAD; 4.5 FEET FROM JURLINGTON 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; 5 FEET TO HEAD OF WATERWAY. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	2,824,487	5,239,228	6,063,715	1983-----	2,126,542	1,606,578	3,733,170
1979-----	2,466,941	2,331,705	4,798,646	1984-----	2,139,194	1,628,122	3,767,321
1980-----	2,342,826	2,016,281	4,359,107	1985-----	2,235,514	1,692,754	4,128,268
1981-----	1,879,740	1,421,707	3,301,447	1986-----	2,341,682	3,455,740	5,797,428
1982-----	2,300,986	1,686,001	3,986,987	1987-----	2,846,571	4,353,602	7,200,173

* PASSENGERS--4,246.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	SHIPMENTS	RECEIPTS	SHIPMENTS	RECEIPTS	
TOTAL-----	7,200,173	541,518	2,002,323	672	1,890,183	678,568	2,086,909	
0101 COTTON, WASH-----	57			57				
0103 CORN-----	2			2				
0111 SOYBEANS-----	38			38				
0131 FRESH FRUITS-----	9,304		9,304					
0141 FRESH AND FROZEN VEGETABLES-----	641		641					
0161 ANIMALS AND PRODUCTS, NEC-----	36		36					
0191 MISCELLANEOUS FARM PRODUCTS-----	17	17						
0801 FOREST PRODUCTS, NEC-----	4		4					
0911 FRESH FISH, EXCEPT SHELLFISH-----	117,747		185		117,528			
0912 SHELLFISH, EXCEPT PREPARED-----	20				20			
1051 ALUMINUM ORES, CONCENTRATES-----	385,260	385,260						
1121 COAL AND LIGNITE-----	139		139					

Waterborne Commerce of the United States, 1987

EVERETT HARBOR AND SNOHOMISH RIVER, WASH.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	SHIPMENTS	RECEIPTS	SHIPMENTS		
1442 SAND, GRAVEL, CRUSHED ROCK-----	43,159	8,200	-----	-----	34,959	-----	-----	-----
1451 CLAY-----	203	-----	203	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	53	34	19	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	556	-----	556	-----	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	55	-----	55	-----	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	140	-----	140	-----	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	1,462	-----	1,462	-----	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	370	-----	370	-----	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	340	-----	340	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	136	-----	136	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	18	6	12	-----	-----	-----	-----	-----
2311 APPAREL-----	10	10	-----	-----	-----	-----	-----	-----
2411 LOGS-----	2,107,714	151,230	1,976,484	-----	-----	-----	-----	-----
2412 RAFTED LOGS-----	4,353,602	-----	-----	-----	1,645,350	621,343	2,086,909	-----
2416 WOOD CHIPS, STAVES, MULDINGS-----	53,616	1,290	-----	-----	2,775	49,545	-----	-----
2421 LUMBER-----	2,005	439	1,566	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	68	2	66	-----	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	3	3	-----	-----	-----	-----	-----	-----
2611 PULP-----	1,143	-----	1,143	-----	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	348	-----	348	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	568	-----	568	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	51	6	45	-----	-----	-----	-----	-----
2810 SODIUM HYDROXIDE-----	12,350	-----	-----	-----	12,350	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	67	-----	67	-----	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	104	-----	104	-----	-----	-----	-----	-----
2831 DRUGS-----	35	-----	35	-----	-----	-----	-----	-----
2841 SOAP-----	1,094	-----	1,094	-----	-----	-----	-----	-----
2851 PAINTS-----	23	5	18	-----	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	29,531	-----	-----	-----	29,531	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	8	-----	8	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	9,740	-----	20	-----	9,720	-----	-----	-----
2911 GASOLINE-----	9,384	9,384	-----	-----	-----	-----	-----	-----
2912 JET FUEL-----	3,636	3,636	-----	-----	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	2,243	-----	-----	-----	2,243	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	39,229	-----	4,236	-----	34,993	-----	-----	-----
2916 LUBRICATING OILS AND GREASES-----	98	-----	25	-----	73	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	34	30	4	-----	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	9	9	-----	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	2,840	40	4	-----	345	2,446	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	19	-----	19	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	1	-----	1	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1	-----	1	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	462	340	42	-----	80	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,177	363	142	672	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	153	84	69	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	21	3	18	-----	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	8	-----	8	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	5	1	2	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	12	-----	4	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	81	-----	81	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	602	-----	602	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	4	-----	4	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	1,282	-----	1,282	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	4,872	-----	-----	-----	207	4,665	-----	-----
	1,659	1,082	9	-----	9	569	-----	-----

SNOHOMISH CHANNEL, WASH.

SECTION INCLUDED: ENTIRE CHANNEL. CONTROLLING DEPTH: 10.5 FEET. PROJECT DEPTH: 12 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	1,805	890,097	891,902	1983-----	1,817	723,557	725,374
1979-----	4,403	1,053,450	1,057,853	1984-----	30,726	627,713	658,439
1980-----	17,459	636,112	653,571	1985-----	12,025	693,981	705,006
1981-----	21,372	776,984	798,356	1986-----	31,670	2,077,899	2,109,569
1982-----	5,107	697,024	702,131	1987-----	96,412	1,546,686	1,643,098

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL					THROUGH	
		INBOUND	OUTBOUND	NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND	
TOTAL-----	1,643,098	291,858	841,167	130,843	370,910	7,040	1,280	
0911 FRESH FISH, EXCEPT SHELLFISH-----	263	263						
0912 SHELLFISH, EXCEPT PREPARED-----	149	149						
2412 RAFTED LOGS-----	1,546,686	291,466	745,167	130,843	370,910	7,040	1,280	
4029 WASTE AND SCRAP, NEC-----	96,000		96,000					
TOTAL COMMODITIES-----	4,770,563							

SEATTLE, WA, DISTRICT

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ANACORTES HARBOR, WASH.

SECTION INCLUDED: WATER FRONT OF FIDALGO ISLAND FROM BURHANS BAY TO AND INCLUDING THE JIL REFINERY MARVES ON FIDALGO BAY. CONTROLLING DEPTH: MAIN HARBOR ON GUERRES CHANNEL, 33 FEET; CAPSANTO WATERWAY, OUTER WATERWAY 11.4 FEET, INNER WATERWAY 11.3 FEET; ANACORTES NAVIGATION CHANNEL, 16.2 FEET. PROJECT DEPTH: NO PROJECT FOR MAIN HARBOR; CAPSANTO WATERWAY, 12 FEET ANACORTES NAVIGATION CHANNEL, 16 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1978-----	9,767,419	177,343	9,964,762	742,968	1983-----	8,217,977	142,578	8,360,555	1,049,042
1979-----	9,428,091	170,974	9,599,065	804,318	1984-----	8,614,149	55,927	8,650,076	4,695,156
1980-----	9,043,642	122,170	9,165,812	753,148	1985-----	10,165,791	42,518	10,208,309	4,697,246
1981-----	9,623,049	228,033	9,851,082	846,096	1986-----	12,366,078	380,616	12,746,694	3,320,862
1982-----	9,346,613	92,627	9,439,240	1,417,412	1987-----	13,270,516	416,559	13,687,075	2,939,690

ADDITIONAL TRAFFIC

YEAR	FOREIGN			GENERAL FERRY			TOTAL		
	TONS	VEHICLES	PASSENGERS	DOMESTIC			TONS	VEHICLES	PASSENGERS
				TONS	VEHICLES	PASSENGERS			
1978-----	*	48,492	131,014	*	396,974	611,954	*	445,466	742,968
1979-----	*	44,129	126,671	*	452,699	737,647	*	496,827	864,518
1980-----	*	56,366	100,346	*	377,194	652,802	*	433,560	753,148
1981-----	*	55,552	157,470	*	366,356	682,626	*	441,916	846,096
1982-----	*	64,852	245,678	*	447,040	1,171,754	*	511,892	1,417,412
1983-----	*	61,401	157,310	*	442,942	891,732	*	504,343	1,049,042
1984-----	*	126,568	472,554	*	1,684,948	4,422,582	*	1,811,476	4,695,156
1985-----	*	137,993	472,554	*	1,667,060	4,424,694	*	1,805,050	4,697,246
1986-----	*	158,330	386,316	*	1,421,658	3,320,862	*	2,079,988	3,107,176
1987-----	*	121,924	300,750	*	1,814,464	2,939,690	*	1,936,366	3,240,640

* NOT REPORTED.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	13,687,075	1,713,101	1,030,564	8,127,793	1,512,453	504,716	764,386	54,060
0103 CORN-----	37,552		37,552					
0911 FRESH FISH, EXCEPT SHELLFISH-----	4,255	613				2,422	1,220	
0912 SHELLFISH, EXCEPT PREPARED-----	237					237		
1311 CRUDE PETROLEUM-----	9,042,430	1,448,753		7,593,647				
1411 LIMESTONE-----	13,618	13,618						
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,910					1,550	1,360	
1492 SULPHUR, DMT-----	27,937		27,937					
2042 ANIMAL FEEDS-----	28,090		28,090					
2211 BASIC TEXTILE PRODUCTS-----	7	7						
2411 LOGS-----	292,929	41,104	251,825					
2412 RAFTED LOGS-----	416,559					250,218	165,381	960
2621 LUMBER-----	8,170		283		6,647		1,240	
2511 FURNITURE AND FIXTURES-----	1	1						
2619 BASIC CHEMICALS AND PROD, NEC-----	140,420	125,887	14,533					
2631 DRUGS-----	1	1						
2991 MISCELLANEOUS CHEMICAL PROD-----	3,052				3,052			
2911 GASOLINE-----	786,679	6,905	64,946	53,379	618,687		42,762	
2912 JET FUEL-----	225,358	11,260	52,870	1,447	133,062	11,376	14,843	
2914 DISTILLATE FUEL OIL-----	341,793	59,356	130,275	16,669	57,458		77,835	
2915 RESIDUAL FUEL OIL-----	1,227,696		161,661	461,951	392,531	28,496	149,955	33,100
2916 LUBRICATING OILS AND GREASES-----	3,294				3,150	144		
2917 NAPHTHA, PETROLEUM SOLVENTS-----	70,192				70,192			
2918 ASPHALT, TAR, AND PITCHES-----	310						510	
2920 COKE, PETROLEUM COKE-----	282,568		260,199				22,369	
2921 LIQUEFIED GASES-----	186						186	
2991 PETROLEUM AND COAL PROD, NEC-----	507,450				227,674	7,666	272,090	
3011 RUBBER AND MISC PLASTIC PROD-----	6		6					
3111 LEATHER AND LEATHER PRODUCTS-----	35		35					
3241 BUILDING CEMENT-----	220						220	
3281 CUT STONE AND STONE PRODUCTS-----	22	22						
3291 MISC NONMETALLIC MINERAL PROD-----	1,569	19				1,550		
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,798	2,798						
3317 IRON AND STEEL PIPE AND TUBE-----	155	155						
3319 IRON AND STEEL PRODUCTS, NEC-----	130	130						
3411 FABRICATED METAL PRODUCTS-----	298	158					140	
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,049	13	56				980	
3611 ELECTRICAL MACH AND EQUIP-----	67	67						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,046	1	45				1,000	
3721 AIRCRAFT AND PARTS-----	20						20	
3791 MISC TRANSPORTATION EQUIPMENT-----	760						760	
3911 MISC MANUFACTURED PRODUCTS-----	2	2						
4011 IRON AND STEEL SCRAP-----	2,000	2,000						
4029 WASTE AND SCRAP, NEC-----	212,732					201,035	11,697	
4112 COMMODITIES, NEC-----	272	1	251				20	

BELLINGHAM BAY AND HARBOR, WASH.

SECTION INCLUDED: BELLINGHAM BAY AND CHUCKANUT BAY FROM THE WHARF OF THE OLYMPIC PORTLAND CEMENT COMPANY ON THE NORTH TO AND INCLUDING CHUCKANUT INTERISLAND FERRY SLIP ON THE SOUTH. CONTROLLING DEPTHS: WHATCOM CREEK WATERWAY, 8.9 TO 29.5 FEET; SQUALICUM CREEK WATERWAY, 22.4 FEET, FROM DEEP WATER TO TURNING BASIN, 20.3 FEET IN TURNING BASIN, 15.1 FEET FROM STA. 16 + 00 TO 5 + 40; I & J ST. WATERWAY, 11.0 FT. PROJECT DEPTHS: 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

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978	1,496,037	60,789	1,556,826	1983	1,239,814	92,663	1,332,477
1979	1,839,947	291,707	2,131,654	1984	1,169,505	99,934	1,269,439
1980	1,824,788	222,563	2,047,351	1985	1,289,881	36,997	1,326,878
1981	1,263,819	218,166	1,481,985	1986	1,713,408	62,462	1,775,870
1982	1,790,885	186,868	1,977,753	1987	1,913,265	190,544	2,103,809

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL	2,103,829	571,289	638,875	190,005	305,699	216,372	181,589
102 BARLEY AND RYE	16,648	62	16,586				
105 RICE	111	111					
0119 OILSEEDS, NEC	164	164					
0121 TOBACCO, LEAF	234	234					
0129 FIELD CROPS, NEC	494	167	327				
0131 FRESH FRUITS	18	18					
0133 COFFEE	38	38					
0141 FRESH AND FROZEN VEGETABLES	19		19				
0161 ANIMALS AND PRODUCTS, NEC	47	47					
0191 MISCELLANEOUS FARM PRODUCTS	1	1					
0911 FRESH FISH, EXCEPT SHELLFISH	36,338	12,975	404			22,959	
0912 SHELLFISH, EXCEPT PREPARED	1,058	39				1,019	
1051 ALUMINUM JUNK, CONCENTRATES	221,052	221,052					
1121 COAL AND LIGNITE	172,757	52,664	120,093				
1411 LIMESTONE	481	481					
1442 SAND, GRAVEL, CRUSHED ROCK	24,337	23,200			1,137		
1451 CLAY	61		61				
1491 SALT	71,853			71,853			
1494 GYPSUM, CRUDE AND PLASTERS	12,038	12,038					
1911 ORNAMENT AND ACCESSORIES	3	3					
2011 MEAT, FRESH, CHILLED, FROZEN	21		21				
2015 ANIMAL BY-PRODUCTS, NEC	59		59				
2022 DRIED MILK AND CREAM	3	3					
2031 FISH AND SHELLFISH, PREPARED	439	207	310	422			
2034 VEGETABLES AND PREP, NEC	24	24					
2039 PREP FRUIT AND VEG JUICE, NEC	2,313	446	1,865				
2042 ANIMAL FEEDS	498		498				
2049 GRAIN MILL PRODUCTS, NEC	34	34					
2081 ALCOHOLIC BEVERAGES	544	544					
2091 VEGETABLE OILS, MARG, SHORT	42		42				
2095 ICE	59	59					
2099 MISCELLANEOUS FOOD PRODUCTS	72	72					
2111 TOBACCO MANUFACTURES	1	1					
2211 BASIC TEXTILE PRODUCTS	628	628					
2311 APPAREL	2,192	2,182					
2411 LOGS	7,923	5,910	2,013				
2412 RAFTED LOGS	190,544					168,464	22,080
2413 FUEL WOOD, CHARCOAL, WASTES	40,957	40,957					
2416 WOOD CHIPS, STAVES, MOLDINGS	82,697	82,655				42	
2421 LUMBER	10,822		6,097		4,725		
2431 VENEER, PLYWOOD, WORKED WOOD	107	52	55				
2491 WOOD MANUFACTURES, NEC	301	214	87				
2511 FURNITURE AND FIXTURES	457	457					
2611 PULP	66,692		63,940			1,200	1,552
2631 PAPER AND PAPERBOARD	1,221	198	1,023				
2691 PULP AND PAPER PRODUCTS, NEC	153	35	62		56		
2711 PRINTED MATTER	120	120					
2810 SODIUM HYDROXIDE	110,437				110,487		
2813 ALCOHOLS	2,020		2,020				
2817 BENZENE AND TOLUENE	4,323		4,323				
2818 SULFONIC ACIDS	8,643				8,643		
2819 BASIC CHEMICALS AND PROD, NEC	48,366	46,423	692		1,271		
2821 PLASTIC MATERIALS	433	301	132				
2823 SYNTHETIC (MAN-MADE) FIBERS	22		22				
2831 DRUGS	9	9					
2841 SOAP	44,663	3	44,660				
2851 PAINTS	38	38					
2861 GUM AND WOOD CHEMICALS	170,193	4			52,947		117,242
2891 MISCELLANEOUS CHEMICAL PROD	28,671	1		11,655	17,023		
2911 GASOLINE	122,651	9,400	53,133		58,552	2,546	
2912 JET FUEL	43,483				43,483		
2914 DISTILLATE FUEL OIL	262,196		264,900			1,296	
2915 RESIDUAL FUEL OIL	13,000	11,937				1,072	
2918 ASPHALT, TAR, AND BITUMENS	9,684	9,684					
2921 LIQUEFIED GASES	13,752	13,752					
2991 PETROLEUM AND COAL PROD, NEC	18,893				4,138	6,384	8,373
3011 RUBBER AND MISG PLASTIC PROD	1,473	1,965	8				
3111 LEATHER AND LEATHER PRODUCTS	1,194	1,194	10				
3211 GLASS AND GLASS PRODUCTS	216	216					
3241 BUILDING CEMENT	36,011	3,589			80		32,342

BELLINGHAM BAY AND HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
3251 STRUCTURAL CLAY PRODUCTS-----	60	60					
3281 CUT STONE AND STONE PRODUCTS-----	27	27					
3291 MISC NONMETALLIC MINERAL PROD-----	1,007	937	35		35		
3315 IRON, STEEL SHAPES, EAC SHEET-----	580	580					
3317 IRON AND STEEL PIPE AND TUBE-----	243	243					
3318 FERRUALLUYS-----	976	59	419				
3319 IRON AND STEEL PRODUCTS, NEC-----	166				166		
3321 NONFERROUS METALS, NEC-----	20	20					
3322 COPPER ALLOYS, UNALLOYED-----	16	16					
3324 ALUMINUM AND ALLOYS, UNALLOYED-----	54,402		54,402				
3411 FABRICATED METAL PRODUCTS-----	1,186	1,068	118				
3511 MACHINERY, EXCEPT ELECTRICAL-----	4,645	3,015	23		1,607		
3611 ELECTRICAL MACH AND EQUIP-----	4,446	4,446					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	2,485	2,460	16		9		
3731 SHIPS AND BOATS-----	57	57					
3791 MISC TRANSPORTATION EQUIPMENT-----	14				14		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	293	293					
3911 MISC MANUFACTURED PRODUCTS-----	2,754	1,752			1,001		
4012 NONFERROUS METAL SCRAP-----	692	23	669				
4024 PAPER WASTE AND SCRAP-----	2,708		2,708				
4029 WASTE AND SCRAP, NEC-----	10,990					10,990	
112 COMMODITIES, NEC-----	107,576	871	443	106,095	117		

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
BLAINE HARBOR, WASH.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	12,323	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	304	-----	-----
	TOTAL-----	12,627	-----	11,000
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WASH.,----	2412 RAFTED LOGS-----	206,412	2,066,120	267
FLATHEAD LAKE, MONT.,-----	NO COMMERCE REPORTED			
HOQUIAM RIVER, WASH.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	33	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1	-----	-----
	2861 GUM AND WOOD CHEMICALS-----	6,326	-----	-----
	TOTAL-----	6,362	19,018	-----
KOOTENAI RIVER, IDAHO AND MONT.,-----	NO COMMERCE REPORTED			
NEAH BAY, WASH.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,921	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	2	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	10	-----	-----
	TOTAL-----	1,933	-----	-----
QUILLAYUTE RIVER, WASH.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	547	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	8	-----	-----
	TOTAL-----	555	555	-----
SKAGIT RIVER, WASH.,-----	2412 RAFTED LOGS-----	138,572	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	14	-----	-----
	4029 WASTE AND SCRAP, NEC-----	106,270	-----	-----
	TOTAL-----	244,856	2,931,486	-----
STILLAGUAMISH RIVER, WASH.,-----	NO COMMERCE REPORTED			
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WASH.,----	2412 RAFTED LOGS-----	17,600	-----	-----
	2413 FUEL WOOD, CHARCOAL, WASTES-----	7,470	-----	-----
	2416 WOOD CHIPS, STAVES, MOLDINGS-----	11,682	-----	-----
	TOTAL-----	36,752	36,752	447
WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WASH.,-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	407	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	3,251	-----	-----
	TOTAL-----	3,658	44,430	-----
NONPROJECT				
COEUR D'ALENE LAKE AND ST. JOE RIVER, IDAHO-----	2412 RAFTED LOGS-----	569,470	10,874,984	-----
OTHER PUGET SOUND AREA PORTS, WASH., (NET)-----	0101 COTTON, RAW-----	443	-----	-----
	0129 FIELD CROPS, NEC-----	24	-----	-----
	0131 FRESH FRUITS-----	62	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	132	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	3,647	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	869	-----	-----
	0931 MARINE SHELLS, UNMANUFACTURED-----	2	-----	-----
	1051 ALUMINUM DRES, CONCENTRATES-----	300,708	-----	-----
	1311 CRUDE PETROLEUM-----	12,838,535	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	3,209,075	-----	-----
	1451 CLAY-----	111,653	-----	-----
	1499 NONMETALLIC MINERALS, NEC-----	1,086	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	71	-----	-----
	2015 ANIMAL BY-PRODUCTS, NEC-----	803	-----	-----
	2034 VEGETABLES AND PREP, NEC-----	111	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	107	-----	-----
	2242 ANIMAL FEEDS-----	30	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	2	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	104	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	94	-----	-----
	2311 APPAREL-----	4	-----	-----
	2412 RAFTED LOGS-----	1,455,001	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	6,269	-----	-----
	2416 WOOD CHIPS, STAVES, MOLDINGS-----	12,021	-----	-----
	2421 LUMBER-----	5,814	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	63	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	579	-----	-----
	2511 FURNITURE AND FIXTURES-----	31	-----	-----
	2611 PULP-----	42	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	531	-----	-----
	2631 PAPER AND PAPERBOARD-----	40	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	174	-----	-----
	2821 PLASTIC MATERIALS-----	2	-----	-----
	2841 SOAP-----	23	-----	-----
	2871 MISCELLANEOUS CHEMICAL PROD-----	120	-----	-----
	2911 GYCOLINE-----	474,559	-----	-----
	2912 JET FUEL-----	451,327	-----	-----
	2914 DISTILLATE FUEL OIL-----	349,261	-----	-----
	2915 RESIDUAL FUEL OIL-----	555,145	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	92,945	-----	-----
	2917 NAPHTHA, PETROLEUM SOLVENTS-----	11,315	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	31	-----	-----
	2921 LIQUEFIED GASES-----	184	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	245,363	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	14	-----	-----
	3241 PORTLAND CEMENT-----	315	-----	-----

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
NONPROJECT--CONTINUED				
OTHER PUGET SOUND AREA PORTS, WASH. (NET) (CONTINUED)-----	3291 MISC NONMETALLIC MINERAL PROD-----	980	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	79	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	504	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	4,264	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	9	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,014	-----	-----
	3721 AIRCRAFT AND PARTS-----	20	-----	-----
	3731 SHIPS AND BOATS-----	5	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	760	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	3	-----	-----
	4011 IRON AND STEEL SCRAP-----	1,583	-----	-----
	4012 NONFERROUS METAL SCRAP-----	423	-----	-----
	4024 PAPER WASTE AND SCRAP-----	1,641	-----	-----
	4029 WASTE AND SCRAP, NEC-----	318,268	-----	-----
	4112 COMMODITIES, NEC-----	632	-----	-----
	TOTAL-----	20,459,319	-----	18,235,357

ALASKA DISTRICT

METLAKATLA HARBOR, ALASKA

SECTION INCLUDED: FROM THE BOAT BASIN WEST OF VILLAGE POINT TO AND INCLUDING THE EXITING CHIP MILL DOCK EAST OF THE PRESENT CITY DOCK.
 CONTROLLING DEPTH: 25 FEET AT BASE OF CANNERY WHARF, 10 FEET IN BOAT BASIN, 40 FEET AT CITY DOCK AND 15 FEET AT CHIP MILL DOCK.
 PROJECT DEPTH: 10 FEET IN PRESENT BOAT BASIN AND 15 FEET IN PROPOSED BOAT BASIN. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1978-----	93,511	142,837	236,348	15,739	1983-----	89,431	106,781	196,212	-----
1979-----	250,367	171,789	422,156	7,882	1984-----	313,677	228,938	542,615	11,270
1980-----	281,624	227,130	508,754	17,223	1985-----	135,317	-----	135,317	-----
1981-----	148,220	88,876	237,096	11,459	1986-----	139,747	80,625	220,372	-----
1982-----	73,647	45,938	119,585	15,049	1987-----	162,666	288,375	471,041	5,436

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN EXPORTS	DOMESTIC			
			COASTWISE		INTERNAL	
			RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	471,041	71,462	3,957	10,919	292,561	92,142
0191 MISCELLANEOUS FARM PRODUCTS-----	86	-----	86	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	284	284	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,030	-----	-----	-----	2,030	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,021	-----	1,021	-----	-----	-----
2411 LOGS-----	43,144	42,244	-----	-----	-----	900
2412 RAFTED LOGS-----	288,375	-----	-----	-----	288,375	-----
2416 WOOD CHIPS, STAVES, MULDINGS-----	91,242	-----	-----	-----	-----	91,242
2421 LUMBER-----	40,268	28,934	955	10,379	-----	-----
2491 WOOD MANUFACTURES, NEC-----	2	-----	2	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	32	-----	25	7	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	5	-----	5	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	104	-----	104	-----	-----	-----
2911 GASOLINE-----	857	-----	-----	-----	-----	557
2914 DISTILLATE FUEL OIL-----	1,214	-----	-----	-----	1,214	-----
2991 PETROLEUM AND COAL PROD, NEC-----	20	-----	20	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	22	-----	17	5	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	9	-----	9	-----	-----	-----
3241 BUILDING CEMENT-----	159	-----	159	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	1,110	-----	1,020	90	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	694	-----	208	401	65	-----
3611 ELECTRICAL MACH AND EQUIP-----	78	-----	78	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	226	-----	189	37	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	4	-----	4	-----	-----	-----
4112 COMMODITIES, NEC-----	55	-----	55	-----	-----	-----

KETCHIKAN HARBOR, ALASKA

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 DEPTHS: NO PROJECT DEPTH FOR MAIN HARBOR; SMALL BOAT BASINS, 10 AND 15 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	ADDITIONAL TRAFFIC GENERAL FERRY	
					VEHICLES	PASSENGERS
1978-----	1,293,351	679,483	1,972,834	325,836	40,733	325,836
1979-----	1,700,642	501,375	2,202,017	315,108	58,793	315,108
1980-----	1,875,316	871,857	2,747,173	371,930	80,053	371,930
1981-----	1,455,444	424,051	1,879,495	382,727	82,018	382,727
1982-----	1,473,009	292,010	1,765,019	393,573	82,025	393,573
1983-----	1,442,441	350,510	1,792,951	406,964	90,030	406,964
1984-----	1,516,027	175,669	1,691,696	704,557	153,163	704,557
1985-----	1,794,590	-----	1,794,590	625,161	129,232	625,161
1986-----	1,545,877	520,125	2,072,002	471,073	110,235	471,073
1987-----	1,999,101	444,638	2,443,739	112,734	317,966	112,734

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	2,443,739	104,530	1,372,817	223,125	65,583	342,608	128,892	584
0101 COTTON, RAW-----	224	-----	224	-----	-----	-----	-----	-----
0131 FRESH FRUITS-----	77	-----	77	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	98	-----	98	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	38	-----	-----	-----	19	19	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	788	-----	-----	788	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	4,262	38	4,120	24	-----	-----	100	-----

ALASKA DISTRICT

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KETCHIKAN HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
1091 NONFERROUS ORES, CONCENT, NEC	41		41					
1311 CRUDE PETROLEUM	17,971	17,971						
1442 SAND, GRAVEL, CRUSHED ROCK	16,813	15,883					1,130	
1491 SALT	136			136				
1492 SULPHUR, CR	9,801			9,801				
2011 MEAT, FRESH, CHILLED, FROZEN	3			3				
2031 FISH AND SHELLFISH, PREPARED	3,599		1,499		1,353	610	47	
2039 PREP FRUIT AND VEG JUICE, NEC	5			5				
2042 ANIMAL FEEDS	56		56					
2081 ALCOHOLIC BEVERAGES	240			176	13	1	50	
2092 ANIMAL OILS AND FATS, NEC	19				19			
2094 GROCERIES	6,276			4,282	73	60	1,861	
2099 MISCELLANEOUS FOOD PRODUCTS	14,267		23	10,747	3,309		188	
2211 BASIC TEXTILE PRODUCTS	316		41	265			10	
2311 APPAREL	3		3					
2411 LOGS	1,074,019		1,074,019					
2412 RAFTED LOGS	444,638					442,875	1,763	
2414 TIMBER, POLES, PILINGS	361			48	156	138	19	
2416 WOOD CHIPS, SLABS, MULDINGS	92,580					92,580		
2421 LUMBER	167,360		154,893	5,311	5,796		560	
2431 VENEER, PLYWOOD, WORKED WOOD	129			102			27	
2491 WOOD MANUFACTURES, NEC	615			350			265	
2511 FURNITURE AND FIXTURES	1,244	8		860	343	41	44	
2611 PULP	180,891		154,475		43,293	5,123		
2621 STANDARD NEWSPRINT PAPER	13			13				
2631 PAPER AND PAPERBOARD	2		2					
2691 PULP AND PAPER PRODUCTS, NEC	3,209		7	1,071	2,002		129	
2711 PRINTED MATTER	2	2						
2810 SODIUM HYDROXIDE	31,900			31,900				
2819 BASIC CHEMICALS AND PROD, NEC	2,688		6	2,672	7		3	
2831 DRUGS	25		25					
2841 SOAP	39		1	38				
2851 PAINTS	26			21		2	3	
2871 NITROGENOUS CHEM FERTILIZERS	60			20			40	
2876 INSECTICIDES, DISINFECTANTS	2		2					
2879 FERTILIZER AND MATERIALS, NEC	69			29	11		29	
2891 MISCELLANEOUS CHEMICAL PROD	10,818	20	2	10,494	215	22	65	
2911 GASOLINE	63,763	12,837		16,562	2,429	9	29,926	
2912 JET FUEL	24,920	7,982		6,948		620	9,370	
2914 DISTILLATE FUEL OIL	147,019	27,088	3,027	42,607	1,184		72,944	169
2915 RESIDUAL FUEL OIL	8,314			7,005			509	
2916 LUBRICATING OILS AND GREASES	37,977		1	37,910	3	6	57	
2917 NAPHTHA, PETROLEUM SOLVENTS	27						27	
2921 LIQUEFIED GASES	1,374	1,102		252			20	
2951 ASPHALT BUILDING MATERIALS	7			4			3	
2991 PETROLEUM AND COAL PROD, NEC	1,648			1,712	75		60	
3011 RUBBER AND MISC PLASTIC PROD	795		5	659	76	30	29	
3211 GLASS AND GLASS PRODUCTS	544			540				
3241 BUILDING CEMENT	19,208	16,658		2,514	2		4	
3251 STRUCTURAL CLAY PRODUCTS	5		5					
3291 MISC NONMETALLIC MINERAL PROD	627			336			291	
3314 IRON AND STEEL PRIMARY FORMS	97	97						
3315 IRON, STEEL SHAPES, EXC SHEET	2,497	2,497						
3317 IRON AND STEEL PIPE AND TUBE	5,335	5,099		234			2	
3319 IRON AND STEEL PRODUCTS, NEC	7			7				
3321 NONFERROUS METALS, NEC	41	21		20				
3411 FABRICATED METAL PRODUCTS	12,656	1,455	43	9,888	1,021	23	226	
3511 MACHINERY, EXCEPT ELECTRICAL	14,172	379	19	4,696	1,167	1,777	5,719	215
3611 ELECTRICAL MACH AND EQUIP	659		8	552	96		3	
3711 MOTOR VEHICLES, PARTS, EQUIP	3,364		6	2,363	894	21	80	
3731 SHIPS AND BOATS	61			39			22	
3791 MISC TRANSPORTATION EQUIPMENT	223		1	152	38	8	24	
3811 INSTR, TIME, PHOTO, OPT GOODS	1		1					
3911 MISC MANUFACTURED PRODUCTS	352			347			5	
4011 IRON AND STEEL SCRAP	741				649	92		
4029 WASTE AND SCRAP, NEC	34				17	17		
4112 COMMODITIES, NEC	10,763	363	87	5,674	898	503	3,438	
4119 EMPTY CONTAINERS	655				424	231		

WRANGELL HARBOR, ALASKA

SECTION INCLUDED: SHORELINE OF WRANGELL ISLAND FROM THE AIRPLANE LANDING NEAR THE BASE OF POINT SKEKSTI TO POINT HIGHFIELD ON THE NORTH. CONTROLLING DEPTHS: MAIN AND INNER HARBOR 10 FEET. PROJECT DEPTHS: BOTH MOORING BASINS, 10 FEET AT MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	ADDITIONAL TRAFFIC	
					GENERAL FERRY VEHICLES	PASSENGERS
1978	302,127	204,695	506,822	15,076	3,502	15,076
1979	308,884		308,884	7,701	1,713	7,701
1980	446,795	103,703	550,498	16,793	3,878	16,793
1981	310,966	323,727	634,693	15,381	3,683	15,381
1982	353,765	41,531	395,296	17,014	4,028	17,014
1983	333,173	253,441	586,614	16,261	3,966	16,261
1984	223,368	30,594	253,962	22,024	4,228	22,024
1985	272,934	91,688	364,622	5,044		5,044
1986	380,196	6,095	386,293	29,944	6,436	29,944
1987	410,902	153,047	563,949	8,053	1,773	8,053

WRANGELL HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	563,949	7,592	173,506	7,246	5,791	166,111	203,703
0161 ANIMALS AND PRODUCTS, NEC-----	27	27					
0191 MISCELLANEOUS FARM PRODUCTS-----	54			54			
0911 FRESH FISH, EXCEPT SHELLFISH-----	155	10	145				
1442 SAND, GRAVEL, CRUSHED ROCK-----	15,390					15,390	
1491 SALT-----	43	23		20			
1499 NONMETALLIC MINERALS, NEC-----	101	101					
2012 MEAT AND PRODUCTS, NEC-----	21	21					
2031 FISH AND SHELLFISH, PREPARED-----	1,290				1,290		
2034 VEGETABLES AND PREP, NEC-----	9	9					
2039 PREP FRUIT AND VEG JUICE, NEC-----	41	41					
2049 GRAIN MILL PRODUCTS, NEC-----	13	13					
2081 ALCOHOLIC BEVERAGES-----	836	833		3			
2091 VEGETABLE OILS, MARG, SHORT-----	22	22					
2094 GROCERIES-----	56					56	
2095 ICE-----	132	132					
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,588	347		2,058	176		7
2211 BASIC TEXTILE PRODUCTS-----	384	378		6			
2311 APPAREL-----	44	44					
2411 LOGS-----	80,761		80,761				
2412 RAFTED LOGS-----	153,047					143,918	9,131
2416 WOOD CHIPS, STAVES, MOLINGS-----	193,685						193,685
2421 LUMBER-----	97,022	14	92,593	730	3,652	16	17
2431 VENEER, PLYWOOD, WORKED WOOD-----	7			7			
2491 WOOD MANUFACTURES, NEC-----	92	27		53		15	17
2511 FURNITURE AND FIXTURES-----	193	131		38	12	7	5
2631 PAPER AND PAPERBOARD-----	1,556	1,556					
2691 PULP AND PAPER PRODUCTS, NEC-----	148	90	6	52			
2711 PRINTED MATTER-----	117	117					
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	1	1					
2819 BASIC CHEMICALS AND PROD, NEC-----	543	237		106			
2821 PLASTIC MATERIALS-----	188	188					
2831 DRUGS-----	17	17					
2841 SOAP-----	45	45					
2851 PAINTS-----	137	121		14			2
2861 GUM AND WOOD CHEMICALS-----	2	2					
2876 INSECTICIDES, DISINFECTANTS-----	18	18					
2879 FERTILIZER AND MATERIALS, NEC-----	21					21	
2891 MISCELLANEOUS CHEMICAL PROD-----	177	177					
2911 GASOLINE-----	1,700			10		1,687	5
2912 JET FUEL-----	272					272	
2914 DISTILLATE FUEL OIL-----	4,196					4,196	
2916 LUBRICATING OILS AND GREASES-----	23					23	
2921 LIQUEFIED GASES-----	146			146			
2991 PETROLEUM AND COAL PROD, NEC-----	479	21		418		40	
3011 RUBBER AND MISC PLASTIC PROD-----	413	348		62			3
3111 LEATHER AND LEATHER PRODUCTS-----	4	4					
3211 GLASS AND GLASS PRODUCTS-----	200	60		120			
3241 BUILDING CEMENT-----	745			744	1		
3291 MISC NONMETALLIC MINERAL PROD-----	107	74		1		16	16
3315 IRON, STEEL SHAPES, EXC SHEET-----	49	49					
3317 IRON AND STEEL PIPE AND TUBE-----	3			3			
3319 IRON AND STEEL PRODUCTS, NEC-----	90	66		30			
3322 COPPER ALLOYS, UNWORKED-----	85	85					
3324 ALUMINUM AND ALLOYS, UNWORKED-----	4	4					
3411 FABRICATED METAL PRODUCTS-----	2,365	213		1,694	439	8	11
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,481	1,227		241	46	177	790
3611 ELECTRICAL MACH AND EQUIP-----	187	117		70			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	728	411		256	50	9	2
3731 SHIPS AND BOATS-----	59			35	24		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	42	42					
3911 MISC MANUFACTURED PRODUCTS-----	86	73		13			
4112 COMMODITIES, NEC-----	593	42	1	282	10	255	3
4119 EMPTY CONTAINERS-----	109				91		16

WRANGELL HARBOR, ALASKA

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 107 ALL OTHER, 24 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1978-----	569,631	388,424	958,055	1983-----	543,913		543,913
1979-----	583,939	21,263	605,202	1984-----	687,861	133,534	741,395
1980-----	710,908	299,157	1,010,065	1985-----	666,980	82,218	751,198
1981-----	595,969	148,998	744,967	1986-----	542,956	4,782	547,738
1982-----	545,367	16,426	561,793	1987-----	705,501	169,166	874,667

* PASSENGERS--14,156.

ALASKA DISTRICT

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KANGELL NARRUNS, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	THROUGH		INBOUND	OUTBOUND	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL-----	874,867	4,764	4,888	349,565	43,053	16,356	9,328	322,681	124,032
0122 HAY AND FOODER-----	204			204					
0131 FRESH FRUITS-----	1			1					
0141 FRESH AND FROZEN VEGETABLES-----	2			2					
0161 ANIMALS AND PRODUCTS, NEC-----	19						19		
0191 MISCELLANEOUS FARM PRODUCTS-----	62	62							
0961 FOREST PRODUCTS, NEC-----	105			106					
0911 FRESH FISH, EXCEPT SHELLFISH-----	253	26	65	44	118				
1402 SAND, GRAVEL, CRUSHED ROCK-----	398	35		363					
1451 CLAY-----	15			15					
1491 SALT-----	403	159		216	28				
1492 SULPHUR, DMT-----	9,642			9,642					
2011 MEAT, FRESH, CHILLED, FROZEN-----	7			7					
2031 FISH AND SHELLFISH, PREPARED-----	13,197		5,501	186	8,400		240		370
2039 PREP FRUIT AND VEG JUICE, NEC-----	11			11					
2042 ANIMAL FEEDS-----	254			254					
2049 GRAIN MILL PRODUCTS, NEC-----	10			10					
2061 ALCOHOLIC BEVERAGES-----	1,148			1,094	3	50			1
2094 GROCERIES-----	21,341	1		19,471	4	689	60	1,116	
2095 ICE-----	140				140				
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,057	162		768	6	22		159	
2211 BASIC TEXTILE PRODUCTS-----	31			21		3		7	
2411 LOGS-----	918			18				900	
2412 RAFTED LOGS-----	169,166					375	7,002	27,719	114,070
2414 TIMBER, PULPS, POLES, PILING-----	161			4		19	136		
2416 WOOD CHIPS, STAVES, MULCHINGS-----	195,023						1,336	193,685	
2421 LUMBER-----	4,227	504	753	2,392	221	126		231	
2431 VENEER, PLYWOOD, WORKED WOOD-----	178			140	11	6		21	
2491 WOOD MANUFACTURES, NEC-----	5,075	208	10	2,486	127	40		210	
2511 FURNITURE AND FIXTURES-----	1,126	47	78	402	516	6	13	36	28
2611 PULP-----	27,978				24,855				3,123
2621 STANDARD NEWSPRINT PAPER-----	34				34				
2631 PAPER AND PAPERBOARD-----	51	9		22					
2691 PULP AND PAPER PRODUCTS, NEC-----	2,140	28	142	1,758	83	91		38	
2810 SODIUM HYDROXIDE-----	32,000			32,000					
2819 BASIC CHEMICALS AND PROD, NEC-----	2,235	89		2,137	9				
2821 PLASTIC MATERIALS-----	13			13					
2841 SOAP-----	63	1		62					
2851 PAINTS-----	224	4		191	31	2		1	
2871 NITROGENOUS CHEM FERTILIZERS-----	144			129				20	
2879 FERTILIZER AND MATERIALS, NEC-----	30			22		2		6	
2891 MISCELLANEOUS CHEMICAL PROD-----	15,762			14,006	34	17		1,515	210
2911 GASOLINE-----	60,011	194		34,461	4	3,227		21,137	986
2912 JET FUEL-----	16,994	380		7,927		761		6,948	978
2914 DISTILLATE FUEL OIL-----	140,863	666		81,277		10,234		45,494	3,192
2915 RESIDUAL FUEL OIL-----	9,959			9,517				398	44
2916 LUBRICATING OILS AND GREASES-----	62,130			62,090		19	3	15	3
2917 NAPHTHA, PETROLEUM SOLVENTS-----	54							27	27
2918 ASPHALT, TAR, AND PITCHES-----	22			22					
2921 LIQUEFIED GASES-----	268			176	92				
2951 ASPHALT BUILDING MATERIALS-----	64	36		25		3			
2991 PETROLEUM AND COAL PROD, NEC-----	2,202	17		1,857	308	18		2	
3011 RUBBER AND MISC PLASTIC PROD-----	224	42		65	59	2	8	26	22
3211 GLASS AND GLASS PRODUCTS-----	90			67	3				
3241 BUILDING CEMENT-----	759	348		363	44			4	
3251 STRUCTURAL CLAY PRODUCTS-----	23			23					
3271 LIME-----	1,490			1,490					
3281 CUT STONE AND STONE PRODUCTS-----	33			33					
3291 MISC NONMETALLIC MINERAL PROD-----	3,665	17		3,306	83	31		226	
3315 IRON, STEEL SHAPES, EXC SHEET-----	74	12		62					
3317 IRON AND STEEL PIPE AND TUBE-----	492	2		485	3			2	
3319 IRON AND STEEL PRODUCTS, NEC-----	97			97					
3411 FABRICATED METAL PRODUCTS-----	4,414	1,003	36	2,968	177	116		91	23
3511 MACHINERY, EXCEPT ELECTRICAL-----	6,336	421	155	815	2,150	382	426	1,444	537
3611 ELECTRICAL MACH AND EQUIP-----	161	10		126	20			3	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,640	135	120	749	552	22	6	52	24
3721 AIRCRAFT AND PARTS-----	7								
3731 SHIPS AND BOATS-----	236	3	9	77	125	2		20	
3791 MISC TRANSPORTATION EQUIPMENT-----	431			335	98				8
3911 MISC MANUFACTURED PRODUCTS-----	1,110	31	1	1,073				5	
4011 IRON AND STEEL SCRAP-----	901			8	601				92
4029 WASTE AND SCRAP, NEC-----	17								
4112 COMMODITIES, NEC-----	56,304	112	10	51,888	2,447	91	20	1,131	105
4119 EMPTY CONTAINERS-----	723		5	8	473		38	12	187
TOTAL TON-MILES,-----	20,815,786								

Waterborne Commerce of the United States, 1987

SITKA HARBOR, ALASKA

SECTION INCLUDED: FROM THE ALASKA LUMBER & PULP CO. MILL IN SILVER BAY ON THE SOUTH TO STARRIGAVEN BAY ON THE NORTH INCLUDING THE SITKA CENTRAL WATERFRONT AND JAPONSKI ISLAND. CONTROLLING DEPTHS: 22 FEET AT MLLW IN WESTERN CHANNEL AND 11 FEET IN SMALL BOAT BASIN. PROJECT DEPTHS: 22 FEET IN WESTERN CHANNEL; 10 FEET IN SMALL BOAT BASIN AND APPROACH CHANNEL. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1978-----	504,184	384,143	888,327	20,420	1983-----	508,119	305,556	813,675	35,376
1979-----	520,827	401,146	921,973	11,666	1984-----	594,203	314,788	908,991	36,605
1980-----	653,229	389,835	1,043,064	32,196	1985-----	378,280	133,716	511,996	64,204
1981-----	534,276	399,356	933,632	33,889	1986-----	582,835	362,804	945,639	64,591
1982-----	399,356	399,356	798,712	26,996	1987-----	549,358	362,804	912,162	47,519

ADDITIONAL TRAFFIC

YEAR	CAR FERRY-RAILROAD CARS			GENERAL FERRY		YEAR	CAR FERRY-RAILROAD CARS			GENERAL FERRY	
	EMPTY	LOADED	TOTAL	VEHICLES	PASSENGERS		EMPTY	LOADED	TOTAL	VEHICLES	PASSENGERS
1978-----	-----	-----	*	4,674	20,420	1983-----	-----	-----	*	5,657	35,376
1979-----	-----	-----	*	2,278	11,666	1984-----	-----	-----	*	7,050	36,605
1980-----	-----	-----	*	6,092	32,196	1985-----	-----	-----	*	-----	64,204
1981-----	-----	-----	*	6,455	33,889	1986-----	-----	-----	*	11,940	64,591
1982-----	-----	-----	*	4,702	26,996	1987-----	-----	-----	*	3,823	47,519

* CARGO REPORTED AS FREIGHT TRAFFIC.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERVAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	912,167	18,229	134,378	142,453	30,430	580,767	5,510
0911 FRESH FISH, EXCEPT SHELLFISH-----	2,158	-----	2,158	-----	-----	-----	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	9,700	9,700	-----	5	-----	-----	-----
1451 CLAY-----	3	-----	-----	3	-----	-----	-----
1491 SALT-----	40	-----	-----	40	-----	-----	-----
1492 SULPHUR, OR-----	9,642	-----	-----	9,642	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	3,051	107	-----	20	2,516	-----	418
2042 ANIMAL FEEDS-----	13	-----	-----	13	-----	-----	-----
2094 GROCERIES-----	1,639	-----	-----	523	-----	1,116	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,039	-----	-----	1,860	-----	159	-----
2211 BASIC TEXTILE PRODUCTS-----	7	-----	-----	-----	-----	7	-----
2412 RAFTED LOGS-----	562,809	-----	-----	-----	-----	562,809	-----
2415 PULPMOOD, LOG-----	8,883	8,883	-----	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOULDINGS-----	193,685	-----	-----	-----	-----	193,685	-----
2421 LUMBER-----	1,007	-----	-----	598	7	231	171
2431 VENEER, PLYWOOD, WORKED WOOD-----	21	-----	-----	-----	-----	21	-----
2491 WOOD MANUFACTURES, NEC-----	1,039	-----	-----	839	10	210	-----
2511 FURNITURE AND FIXTURES-----	277	-----	-----	99	127	23	28
2611 PULP-----	159,336	-----	131,358	-----	24,855	-----	5,123
2621 STANDARD NEWSPRINT, PAPER-----	11	-----	-----	11	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	1,039	-----	-----	920	81	38	-----
2810 SODIUM HYDROXIDE-----	32,000	-----	-----	32,000	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	1,444	326	138	1,445	-----	-----	40
2821 PLASTIC MATERIALS-----	2	-----	-----	2	-----	-----	-----
2831 DRUGS-----	4	-----	-----	4	-----	-----	-----
2841 SOAP-----	82	-----	-----	82	-----	-----	-----
2851 PAINTS-----	5	-----	-----	4	-----	1	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	40	-----	-----	-----	-----	20	20
2879 FERTILIZER AND MATERIALS, NEC-----	26	-----	-----	-----	-----	6	20
2891 MISCELLANEOUS CHEMICAL PROD-----	14,020	-----	-----	13,961	23	36	-----
2911 GASOLINE-----	4,498	-----	-----	3	-----	4,912	73
2912 JET FUEL-----	5,144	-----	-----	-----	-----	4,529	620
2914 DISTILLATE FUEL OIL-----	12,517	-----	-----	220	-----	11,980	317
2915 RESIDUAL FUEL OIL-----	9,517	-----	-----	9,517	-----	-----	-----
2916 LUBRICATING OILS AND GREASES-----	61,493	-----	-----	61,425	-----	15	3
2921 LIQUEFIED GASES-----	11	-----	-----	-----	-----	-----	11
2991 PETROLEUM AND COAL PROD, NEC-----	127	-----	-----	125	-----	2	-----
3011 RUBBER AND MISC PLASTIC PROD-----	48	-----	-----	6	-----	23	14
3111 LEATHER AND LEATHER PRODUCTS-----	17	-----	17	-----	-----	-----	-----
3241 BUILDING CEMENT-----	1,345	1,320	-----	-----	-----	4	21
3291 MISC NONMETALLIC MINERAL PROD-----	840	-----	-----	607	7	226	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	1	-----	-----	1	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	62	-----	-----	60	-----	2	-----
3321 NONFERROUS METALS, NEC-----	21	-----	-----	-----	-----	-----	21
3411 FABRICATED METAL PRODUCTS-----	444	-----	-----	420	14	83	52
3511 MACHINERY, EXCEPT ELECTRICAL-----	554	-----	-----	190	170	56	138
3611 ELECTRICAL MACH AND EQUIP-----	4	-----	-----	1	-----	3	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	370	-----	-----	200	86	33	51
3721 AIRCRAFT AND PARTS-----	3	-----	-----	-----	-----	-----	3
3731 SHIPS AND BOATS-----	76	-----	-----	24	31	21	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	317	-----	-----	274	37	-----	0
3911 MISC MANUFACTURED PRODUCTS-----	5	-----	-----	-----	-----	5	-----
4011 IRON AND STEEL SCRAP-----	794	-----	-----	-----	102	-----	92
4111 WATER-----	11	-----	-----	-----	11	-----	-----
4112 COMMODITIES, NEC-----	9,652	-----	-----	7,289	1,747	511	105
4119 EMPTY CONTAINERS-----	142	-----	-----	-----	6	-----	176

ALASKA DISTRICT

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SERGIUS AND WHITESTONE narrows, ALASKA

SECTION INCLUDED: CHANNELS THROUGH SERGIUS AND WHITESTONE narrows. CONTROLLING DEPTH: PROJECT DEPTH AVAILABLE EXCEPT FOR PINNACLES TO 23.5 FEET AT WEST FRANCIS ROCK (SERGIUS narrows). PROJECT DEPTH: 24 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	HAFTED	TOTAL	YEAR	VESSEL TRAFFIC	HAFTED	TOTAL
1978-----	328,883	384,143	713,026	1983-----	248,354	-----	248,354
1979-----	358,119	-----	358,119	1984-----	365,890	281,456	647,346
1980-----	540,678	381,146	921,824	1985-----	297,993	314,788	612,781
1981-----	334,072	221,407	555,479	1986-----	385,689	133,716	519,405
1982-----	261,131	-----	261,131	1987-----	422,822	362,809	785,631

FREIGHT TRAFFIC, 1987

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		THROUGH		THROUGH	
		NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND
TOTAL-----	785,631	36,842	140,647	16,572	591,970
0161 ANIMALS AND PRODUCTS, NEC-----	38	-----	-----	19	19
1462 SAND, GRAVEL, CRUSHED ROCK-----	69	32	37	-----	-----
1491 SALT-----	334	147	187	-----	-----
1492 SULPHUR, OXY-----	9,642	-----	9,642	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	5,470	8,159	259	585	167
2094 GROCERIES-----	1,798	38	524	60	1,178
2099 MISCELLANEOUS FOOD PRODUCTS-----	253	12	82	-----	159
2211 BASIC TEXTILE PRODUCTS-----	7	-----	-----	-----	7
2412 RAFFED LOGS-----	562,809	-----	-----	-----	562,809
2414 TIMBER, POSTS, POLES, PILING-----	100	-----	-----	50	50
2416 WOOD CHIPS, STAVES, MOLDINGS-----	193,685	-----	-----	-----	193,685
2421 LUMBER-----	586	105	122	128	231
2431 VENEER, PLYWOOD, WORKED WOOD-----	43	11	11	-----	21
2491 WOOD MANUFACTURES, NEC-----	783	164	409	-----	210
2511 FURNITURE AND FIXTURES-----	477	195	195	46	41
2611 PULP-----	27,978	24,855	-----	3,123	-----
2621 STANDARD NEWSPRINT PAPER-----	44	22	22	-----	-----
2631 PAPER AND PAPERBOARD-----	18	9	9	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	1,042	88	916	-----	38
2810 SODIUM HYDROXIDE-----	32,000	-----	32,000	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	1,507	18	1,449	40	-----
2821 PLASTIC MATERIALS-----	2	-----	-----	-----	-----
2841 SOAP-----	82	-----	82	-----	-----
2851 PAINTS-----	79	35	43	-----	1
2871 NITROGENOUS CHEM FERTILIZERS-----	40	-----	-----	20	20
2879 FERTILIZER AND MATERIALS, NEC-----	26	-----	-----	20	6
2891 MISCELLANEOUS CHEMICAL PROD-----	14,232	34	13,972	105	141
2911 GASOLINE-----	8,999	4	4	2,076	6,915
2912 JET FUEL-----	5,835	-----	-----	963	4,872
2914 DISTILLATE FUEL OIL-----	29,456	733	220	8,400	20,103
2915 RESIDUAL FUEL OIL-----	9,683	-----	9,517	161	205
2916 LUBRICATING OILS AND GREASES-----	61,449	-----	51,425	6	18
2921 LIQUEFIED GASES-----	93	41	41	11	-----
2951 ASPHALT BUILDING MATERIALS-----	72	36	36	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	598	252	344	-----	2
3011 RUBBER AND MISC PLASTIC PROD-----	142	36	42	30	34
3241 BUILDING CEMENT-----	307	141	141	21	4
3291 MISC NONMETALLIC MINERAL PROD-----	331	37	68	-----	226
3315 IRON, STEEL SHAPES, ETC SHEET-----	25	12	13	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	72	-----	70	-----	2
3321 NONFERROUS METALS, NEC-----	21	-----	-----	21	-----
3411 FABRICATED METAL PRODUCTS-----	1,720	442	1,151	33	94
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,457	1,379	1,374	143	61
3611 ELECTRICAL MACH AND EQUIP-----	12	4	5	-----	3
3711 MOTOR VEHICLES, PARTS, EQUIP-----	933	370	445	68	50
3721 AIRCRAFT AND PARTS-----	4	1	-----	5	-----
3731 SHIPS AND BOATS-----	193	85	87	-----	21
3791 MISC TRANSPORTATION EQUIPMENT-----	395	75	312	8	-----
3911 MISC MANUFACTURED PRODUCTS-----	5	-----	-----	-----	5
4011 IRON AND STEEL SCRAP-----	885	738	55	92	-----
4029 WASTE AND SCRAP, NEC-----	34	-----	-----	17	17
4112 COMMODITIES, NEC-----	7,788	2,118	5,026	119	525
4119 EMPTY CONTAINERS-----	258	14	8	204	32

SKAGWAY HARBOR, ALASKA

SECTION INCLUDED: ENTIRE WATER FRONT OF SKAGWAY HARBOR. CONTROLLING DEPTH: MAIN HARBOR, ADEQUATE. DEPTH ALONGSIDE THE WHITE PASS AND YUKON RAILWAY WHARF, 19.9 FEET; 10.9 FEET IN SMALL BOAT BASIN; 42.5 FEET AT PACIFIC AND ARTIC RAILWAY NAVIGATION COMPANY DRE TERMINAL; 20 FEET AT ALASKA STATE FERRY DOCK. PROJECT DEPTH: MAIN HARBOR, 30 FEET ALONG SOUTHERLY 700 FEET OF FACE OF DOCK AND 20 FEET FOR THE NEXT 100 FEET; SMALL BOAT BASIN, 8 FEET FOR FEDERAL PORTION; 12 FEET MAINTAINED BY LOCAL INTERESTS. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	ADDITIONAL TRAFFIC	
					GENERAL FERRY	
					VEHICLES	PASSENGERS
1978	906,289	-----	906,289	187,637	5,612	187,637
1979	800,207	-----	800,207	101,732	3,891	101,732
1980	1,085,060	-----	1,085,060	153,752	5,362	153,572
1981	1,116,804	-----	1,116,804	52,538	8,652	52,538
1982	510,027	-----	510,027	91,859	10,722	91,859
1983	157,631	-----	157,631	59,514	9,048	59,514
1984	171,529	-----	171,529	132,885	11,396	132,885
1985	101,403	-----	101,403	5,046	-----	5,046
1986	639,897	-----	639,897	98,467	-----	98,467
1987	1,504,747	-----	1,504,747	83,467	6,791	83,467

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
TOTAL	1,504,747	725,243	636,201	141,434	20	1,849
1091 NONFERREROUS ORES, CONCENT, NEC	1,243,511	607,310	636,201	-----	-----	-----
2081 ALCOHOLIC BEVERAGES	4	-----	-----	4	-----	-----
2094 GROCERIES	142	-----	-----	142	-----	-----
2414 TIMBER, POSTS, POLES, PILING	77	77	-----	-----	-----	-----
2421 LUMBER	239	234	-----	4	-----	1
2491 WOOD MANUFACTURES, NEC	5	-----	-----	5	-----	-----
2511 FURNITURE AND FIXTURES	6	-----	-----	-----	6	-----
2813 ALCOHOLS	10	10	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC	474	-----	-----	474	-----	-----
2911 GASOLINE	69,162	59,652	-----	29,310	-----	-----
2912 JET FUEL	11,167	6,236	-----	5,526	-----	1,403
2914 DISTILLATE FUEL OIL	146,703	71,506	-----	75,197	-----	-----
2916 LUBRICATING OILS AND GREASES	474	-----	-----	474	-----	-----
2991 PETROLEUM AND COAL PROD, NEC	1,265	-----	-----	1,265	-----	-----
3241 BUILDING CEMENT	18	18	-----	-----	-----	-----
3271 LIME	1,481	-----	-----	1,481	-----	-----
3291 MISC NONMETALLIC MINERAL PROD	5	-----	-----	5	-----	-----
3411 FABRICATED METAL PRODUCTS	911	9	-----	901	1	-----
3511 MACHINERY, EXCEPT ELECTRICAL	369	-----	-----	18	1	350
3791 MISC TRANSPORTATION EQUIPMENT	20	-----	-----	-----	-----	20
3911 MISC MANUFACTURED PRODUCTS	1,061	-----	-----	1,061	-----	-----
4112 COMMODITIES, NEC	27,633	191	-----	27,365	2	75
4119 EMPTY CONTAINERS	10	-----	-----	-----	10	-----

VALDEZ HARBOR, ALASKA

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 SONIAW & ALASKA HYDROTRAIN FACILITIES. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1978	55,551,933	1983	93,530,163
1979	65,452,418	1984	92,047,493
1980	85,973,086	1985	99,024,406
1981	84,842,803	1986	101,118,167
1982	90,138,462	1987	106,867,415

* PASSENGERS--46,652.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE	
				RECEIPTS	SHIPMENTS
TOTAL	106,867,415	5,303	4,727	26,397,106	80,836,988
0911 FRESH FISH, EXCEPT SMALLFISH	657	-----	657	-----	-----
1311 CRUDE PETROLEUM	106,825,329	-----	-----	-----	106,825,329
2042 ANIMAL FEEDS	16	-----	-----	16	-----
2099 MISCELLANEOUS FOOD PRODUCTS	4	-----	-----	4	-----
2211 BASIC TEXTILE PRODUCTS	2	-----	2	-----	-----
2411 LOGS	3,524	-----	3,524	-----	-----
2421 LUMBER	364	-----	-----	364	-----
2491 WOOD MANUFACTURES, NEC	288	-----	-----	288	-----
2511 FURNITURE AND FIXTURES	26	-----	-----	-----	26

ALASKA DISTRICT

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VALDEZ HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1987--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
2691 PULP AND PAPER PRODUCTS, NEC-----	16	16			
2819 BASIC CHEMICALS AND PROD, NEC-----	317		302		15
2821 PLASTIC MATERIALS-----	161	1	160		
2891 MISCELLANEOUS CHEMICAL PROD-----	1		1		
2911 GASOLINE-----	5,772			4,170	1,602
2912 JET FUEL-----	2,826			2,826	
2914 DISTILLATE FUEL OIL-----	18,276			9,112	9,164
2915 RESIDUAL FUEL OIL-----	629				629
2991 PETROLEUM AND COAL PROD, NEC-----	1,262			1,262	
3011 RUBBER AND MISC PLASTIC PROD-----	1	1			
3291 MISC NONMETALLIC MINERAL PROD-----	2,265	961		1,304	
3317 IRON AND STEEL PIPE AND TUBE-----	4,324	4,324			
3411 FABRICATED METAL PRODUCTS-----	6				1
3511 MACHINERY, EXCEPT ELECTRICAL-----	975		75	900	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	44			38	6
3731 SHIPS AND BOATS-----	15		5	8	2
3791 MISC TRANSPORTATION EQUIPMENT-----	1				1
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1		1		
4029 WASTE AND SCRAP, NEC-----	179				179
4112 COMMODITIES, NEC-----	118			100	18
4119 EMPTY CONTAINERS-----	16				16

SEWARD HARBOR, ALASKA

SECTION INCLUDED: ALASKA RAILROAD DOCK AND THE SEWARD BOAT BASIN INCLUDING THE CITY DOCK. CONTROLLING DEPTH: 35 FEET BELOW MEAN LOWER LOW WATER AT THE RAILROAD DOCK; 15 FEET IN THE 200 FOOT ENTRANCE CHANNEL TO THE BOAT BASIN AND AT THE CITY DOCK; 25 FEET IN THE BOAT DOCKING AREA.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	92,554	8,404	1983-----	40,788	6,256
1979-----	59,754	3,918	1984-----	356,612	9,422
1980-----	137,849	9,177	1985-----	872,823	
1981-----	113,602	9,365	1986-----	811,951	14,960
1982-----	137,118	9,072	1987-----	939,938	4,632

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	939,938	22,997	878,714	33,112	5,115
0911 FRESH FISH, EXCEPT SHELLFISH-----	29,964		29,899	65	
0912 SHELLFISH, EXCEPT PREPARED-----	1,653		1,653		
1121 COAL AND LIGNITE-----	838,645		838,645		
1491 SALT-----	2			2	
2031 FISH AND SHELLFISH, PREPARED-----	760		760		
2042 ANIMAL FEEDS-----	1,294		1,294		
2211 BASIC TEXTILE PRODUCTS-----	21	21			
2421 LUMBER-----	1				1
2491 WOOD MANUFACTURES, NEC-----	1				1
2691 PULP AND PAPER PRODUCTS, NEC-----	1			1	
2819 BASIC CHEMICALS AND PROD, NEC-----	52	52			
2871 NITROGENOUS CHEM FERTILIZERS-----	6,432		6,432		
2914 DISTILLATE FUEL OIL-----	12,870			10,712	2,158
2991 PETROLEUM AND COAL PROD, NEC-----	2				2
3011 RUBBER AND MISC PLASTIC PROD-----	5	5			
3291 MISC NONMETALLIC MINERAL PROD-----	1				1
3317 IRON AND STEEL PIPE AND TUBE-----	22,468	22,468			
3411 FABRICATED METAL PRODUCTS-----	451	448	2	1	
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,485	1		412	1,072
3611 ELECTRICAL MACH AND EQUIP-----	1	1			
3711 MOTOR VEHICLE, PARTS, EQUIP-----	4	1			3
3911 MISC MANUFACTURED PRODUCTS-----	1,014				1,014
4112 COMMODITIES, NEC-----	22,811		29	21,919	863

Waterborne Commerce of the United States, 1987

ANCHORAGE, ALASKA

SECTION INCLUDED: KNIK ARM FROM THE MUNICIPAL TERMINAL ON THE NORTH TO AND INCLUDING TERMINAL FACILITIES ON SHIP CREEK. CONTROLLING DEPTHS: 35 FEET OFF THE FACE OF THE CITY DOCK; THE APPROACH CHANNEL NORTH OF FIRE ISLAND, TO POINT MORONZOF, 28.5 FEET. PROJECT DEPTH: 35 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC		YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC	
			GENERAL	FERRY				GENERAL	FERRY
			VEHICLES	PASSENGERS				VEHICLES	PASSENGERS
1978-----	2,226,158	-----	-----	-----	1983-----	2,424,432	-----	-----	-----
1979-----	1,638,747	-----	-----	-----	1984-----	2,382,726	-----	-----	-----
1980-----	1,751,640	-----	-----	-----	1985-----	1,939,441	-----	-----	-----
1981-----	2,259,941	-----	-----	-----	1986-----	1,331,554	-----	-----	-----
1982-----	1,998,165	-----	-----	-----	1987-----	2,105,157	-----	-----	-----

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	2,105,157	124,075	398,306	946,330	168,041	16,905	451,500
0102 BARLEY AND RYE-----	249	249	-----	-----	-----	-----	-----
0103 CORN-----	397	397	-----	-----	-----	-----	-----
0104 OATS-----	84	84	-----	-----	-----	-----	-----
0107 WHEAT-----	1,181	-----	1,181	-----	-----	-----	-----
0112 FLAXSEED-----	76	-----	-----	76	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	224	-----	-----	-----	224	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	38,562	-----	28,115	187	10,260	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	5,258	-----	5,140	-----	118	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	338	-----	-----	-----	338	-----	-----
1121 COAL AND LIGNITE-----	10,947	-----	-----	10,947	-----	-----	-----
1311 CRUDE PETROLEUM-----	133,750	-----	133,750	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,471	-----	-----	457	1,014	-----	-----
1491 SALT-----	319	-----	-----	319	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	628	-----	-----	-----	626	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	38,165	-----	901	167	37,097	-----	-----
2042 ANIMAL FEEDS-----	4,765	598	4,167	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	205	-----	-----	205	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	35	-----	-----	-----	35	-----	-----
2094 GROCERIES-----	288,161	-----	-----	288,157	4	-----	-----
2095 ICE-----	38	-----	-----	-----	36	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	8,322	-----	-----	6,322	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	5	-----	2	3	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	26	21	-----	5	-----	-----	-----
2411 LOGS-----	50,904	-----	50,904	-----	-----	-----	-----
2421 LUMBER-----	23,947	4,736	-----	19,108	103	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	79	79	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	18,485	140	-----	18,227	118	-----	-----
2511 FURNITURE AND FIXTURES-----	10,967	-----	-----	7,777	11,190	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	5,635	3,635	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	14,854	11	-----	14,843	-----	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	334	270	-----	64	-----	-----	-----
2813 ALCOHOLS-----	1,920	1,920	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	323	-----	-----	323	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	9,323	305	-----	8,998	22	-----	-----
2821 PLASTIC MATERIALS-----	3	3	-----	-----	-----	-----	-----
2822 SYNTHETIC RUBBER-----	23	-----	-----	23	-----	-----	-----
2841 SOAP-----	36	-----	-----	-----	36	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	195	195	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	28	28	-----	-----	-----	-----	-----
2911 GASOLINE-----	61,464	5,462	17,507	54,329	166	-----	-----
2912 JET FUEL-----	172,869	65,198	13,115	77,656	-----	16,900	-----
2914 DISTILLATE FUEL OIL-----	48,527	-----	47,613	-----	714	-----	-----
2915 RESIDUAL FUEL OIL-----	63,053	-----	63,053	-----	-----	-----	-----
2916 LUBRICATING OILS AND GREASES-----	9,009	-----	-----	9,009	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	47	-----	-----	47	-----	-----	-----
2921 LIQUEFIED GASES-----	32,754	-----	32,750	-----	4	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	549	-----	-----	508	41	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	6,503	3	-----	262	6,238	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	57	-----	-----	57	-----	-----	-----
3241 BUILDING CEMENT-----	59,840	34,529	-----	25,277	34	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	5	-----	-----	-----	5	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	46	-----	-----	-----	46	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	18,316	-----	-----	18,234	62	-----	-----
3312 SLAG-----	4,518	4,518	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	277	-----	-----	136	139	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	30	-----	-----	23	7	-----	-----
3321 NONFERROUS METALS, NEC-----	587	-----	-----	-----	587	-----	-----
3411 FABRICATED METAL PRODUCTS-----	54,938	326	-----	49,577	5,035	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	6,097	5	32	1,606	4,454	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	17	-----	-----	9	8	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	38,245	1,362	-----	20,116	16,765	-----	-----
3731 SHIPS AND BOATS-----	79	-----	-----	63	16	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	25	-----	-----	2	23	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	15,682	1	-----	27	15,649	5	-----
4011 IRON AND STEEL SCRAP-----	274	-----	-----	-----	274	-----	-----
4012 NONFERROUS METAL SCRAP-----	234	37	-----	-----	197	-----	-----
4029 WASTE AND SCRAP, NEC-----	451,500	-----	-----	-----	-----	-----	451,500
4112 COMMODITIES, NEC-----	370,486	39	328,865	41,584	-----	-----	-----
4119 EMPTY CONTAINERS-----	15,067	-----	-----	268	14,799	-----	-----

ALASKA DISTRICT

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KODIAK HARBOR, ALASKA

SECTION INCLUDED: CHANNEL 190 FEET WIDE BETWEEN NEAR ISLAND AND KODIAK ISLAND TO THE KING CRAB, INC. DOCK IN ST. PAUL HARBOR INCLUDING THE BOAT BASIN. CONTROLLING DEPTHS: ABOUT 25 FEET IN THE CHANNEL AND 12 FEET IN THE BOAT BASIN; 30 FEET IN ST. PAUL HARBOR.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1978-----	500,935	10,758	1983-----	267,318	12,857
1979-----	932,526	4,734	1984-----	283,565	12,426
1980-----	322,509	11,055	1985-----	211,126	-----
1981-----	264,857	13,312	1986-----	199,609	21,163
1982-----	236,427	13,923	1987-----	436,923	5,753

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		EXPORTS	IMPORTS	COASTWISE		LOCAL
				RECEIPTS	SHIPMENTS	
TOTAL-----	436,923	9,095	330,655	93,146	3,459	568
0103 CORN-----	8	8	-----	-----	-----	-----
0112 FLAXSEED-----	24	-----	24	-----	-----	-----
0129 FIELD CROPS, NEC-----	100	100	-----	-----	-----	-----
0131 FRESH FRUITS-----	75	75	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	175	175	-----	-----	-----	-----
0151 LIVE ANIMALS-----	6	-----	6	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	2,529	-----	2,529	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	21	-----	21	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	26,369	5,517	69	20,783	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	3,152	1,085	-----	2,067	-----	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	599	-----	599	-----	-----	-----
1121 COAL AND LIGNITE-----	17,623	-----	17,371	252	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	508	-----	-----	-----	-----	508
1491 SALT-----	2,056	-----	2,056	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	4	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	29	-----	29	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	42,450	978	809	40,613	50	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	50	3	47	-----	-----	-----
2042 ANIMAL FEEDS-----	737	342	227	168	-----	-----
2081 ALCOHOLIC BEVERAGES-----	110	-----	110	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	2	2	-----	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	698	-----	20	678	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	6,697	121	6,576	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	7	7	-----	-----	-----	-----
2311 APPAREL-----	102	-----	102	-----	-----	-----
2421 LUMBER-----	1,347	40	1,305	2	-----	-----
2491 WOOD MANUFACTURES, NEC-----	1,448	171	1,274	3	-----	-----
2511 FURNITURE AND FIXTURES-----	148	-----	95	53	-----	-----
2631 PAPER AND PAPERBOARD-----	201	192	9	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	2,820	-----	2,820	-----	-----	-----
2711 PRINTED MATTER-----	2	2	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	5	5	-----	-----	-----	-----
2813 ALCOHOLS-----	10	10	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	730	-----	730	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	36	17	19	-----	-----	-----
2821 PLASTIC MATERIALS-----	78	67	11	-----	-----	-----
2822 SYNTHETIC RUBBER-----	5	5	-----	-----	-----	-----
2831 DRUGS-----	11	11	-----	-----	-----	-----
2841 SOAP-----	12	12	-----	-----	-----	-----
2851 PAINTS-----	2	2	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	6	6	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	73	-----	73	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	2	2	-----	-----	-----	-----
2911 GASOLINE-----	7,734	-----	5,616	56	1,062	-----
2912 JET FUEL-----	724	-----	724	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	39,734	-----	36,152	1,240	2,342	-----
2915 RESIDUAL FUEL OIL-----	405	-----	405	-----	-----	-----
2916 LUBRICATING OILS AND GREASES-----	14	14	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	178	-----	178	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	2,681	-----	2,664	17	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	587	3	584	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	36	14	22	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	1,272	-----	1,269	3	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	7	7	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	5,411	2	295	5,114	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,266	50	630	586	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	34	29	5	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	5,678	-----	5,539	139	-----	-----
3731 SHIPS AND BOATS-----	28	-----	7	21	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	3,666	4	3,662	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	40	-----	-----	40	-----	-----
4112 COMMODITIES, NEC-----	256,257	17	238,292	17,943	5	-----
4119 EMPTY CONTAINERS-----	40	-----	-----	40	-----	-----

UNALASKA BAY AND ISLAND, ALASKA

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

YEAR	TONS	YEAR	TONS
1978.....	378,900	1983.....	437,897
1979.....	580,057	1984.....	528,151
1980.....	483,946	1985.....	414,156
1981.....	677,344	1986.....	245,190
1982.....	745,799	1987.....	358,283

* PASSENGERS--515.

FREIGHT TRAFFIC, 1987

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS	
TOTAL.....	358,283	119,733	6,907	158,868	53,803	3,514	15,458
0103 CORN.....	1		1				
0129 FIELD CROPS, NEC.....	101		101				
0131 FRESH FRUITS.....	73		73				
0141 FRESH AND FROZEN VEGETABLES.....	468		468				
0161 ANIMALS AND PRODUCTS, NEC.....	21		21				
0191 MISCELLANEOUS FARM PRODUCTS.....	41		41				
0911 FRESH FISH, EXCEPT SHELLFISH.....	1,715	527	288	652	248		
0912 SHELLFISH, EXCEPT PREPARED.....	514		408		106		
1402 SAND, GRAVEL, CRUSHED ROCK.....	12,600				12,600		
1491 SALT.....	3,416	56		2,885	206		269
2011 MEAT, FRESH, CHILLED, FROZEN.....	601			601			
2015 ANIMAL BY-PRODUCTS, NEC.....	19		19				
2031 FISH AND SHELLFISH, PREPARED.....	23,546		164	417	19,451	3,514	
2034 VEGETABLES AND PREP, NEC.....	43				43		
2039 PHEP FRUIT AND VEG JUICE, NEC.....	989		34	955			
2042 ANIMAL FEEDS.....	251		250		1		
2092 ANIMAL OILS AND FATS, NEC.....	86			86			
2094 GROCERIES.....	32			32			
2099 MISCELLANEOUS FOOD PRODUCTS.....	290		278	12			
2211 BASIC TEXTILE PRODUCTS.....	30	28	2				
2421 LUMBER.....	923		123	800			
2491 WOOD MANUFACTURES, NEC.....	1,158	47	303	808			
2691 PULP AND PAPER PRODUCTS, NEC.....	3,564	82	6	3,008	198		270
2711 PRINTED MATTER.....	12	1	11				
2813 ALCOHOLS.....	202		20	182			
2819 BASIC CHEMICALS AND PROD, NEC.....	141		141				
2821 PLASTIC MATERIALS.....	260		260				
2822 SYNTHETIC RUBBER.....	11		11				
2831 DRUGS.....	21		21				
2841 SOAP.....	1		1				
2861 GUM AND WOOD CHEMICALS.....	2		2				
2891 MISCELLANEOUS CHEMICAL PROD.....	29	18	11				
2911 GASOLINE.....	4,944			3,676	1,268		
2912 JET FUEL.....	10,598			1,474	1,258		7,866
2914 DISTILLATE FUEL OIL.....	144,916		2,474	119,799	15,640		6,503
2915 RESIDUAL FUEL OIL.....	118,907	118,907					
2916 LUBRICATING OILS AND GREASES.....	9		9				
2991 PETROLEUM AND COAL PROD, NEC.....	14		14				
3011 RUBBER AND MISC PLASTIC PROD.....	19	19					
3111 LEATHER AND LEATHER PRODUCTS.....	28		28				
3291 MISC NONMETALLIC MINERAL PROD.....	800			800			
3411 FABRICATED METAL PRODUCTS.....	4,567	45	7	3,946	500		269
3511 MACHINERY, EXCEPT ELECTRICAL.....	6,186	1	343	5,732	60		
3611 ELECTRICAL MACH AND EQUIP.....	71	1	70				
3711 MOTOR VEHICLES, PARTS, EQUIP.....	524		111	205	8		
3791 MISC TRANSPORTATION EQUIPMENT.....	216		216				
3811 INSTR, TIME, PHOTO, OPT GOODS.....	15		15				
3911 MISC MANUFACTURED PRODUCTS.....	14		7	7			
4112 COMMODITIES, NEC.....	15,494	1	5	12,791	2,416		281

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
BETHEL HARBOR, ALASKA-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	13,611		
	1491 SALT-----	41		
	2094 GROCERIES-----	162		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	961		
	2414 TIMBER, POSTS, POLES, PILING-----	93		
	2421 LUMBER-----	2,525		
	2491 WOOD MANUFACTURES, NEC-----	499		
	2511 FURNITURE AND FIXTURES-----	589		
	2691 PULP AND PAPER PRODUCTS, NEC-----	26		
	2819 BASIC CHEMICALS AND PROD, NEC-----	69		
	2871 NITROGENOUS CHEM FERTILIZERS-----	47		
	2911 GASOLINE-----	1,736		
	2912 JET FUEL-----	205		
	2914 DISTILLATE FUEL OIL-----	8,540		
	2916 LUBRICATING OILS AND GREASES-----	2		
	2921 LIQUEFIED GASES-----	263		
	2991 PETROLEUM AND COAL PROD, NEC-----	8,255		
	3011 RUBBER AND MISC PLASTIC PROD-----	2		
	3241 BUILDING CEMENT-----	34		
	3291 MISC NONMETALLIC MINERAL PROD-----	363		
	3317 IRON AND STEEL PIPE AND TUBE-----	136		
	3319 IRON AND STEEL PRODUCTS, NEC-----	7		
	3411 FABRICATED METAL PRODUCTS-----	441		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	697		
	3611 ELECTRICAL MACH AND EQUIP-----	9		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	453		
	3721 AIRCRAFT AND PARTS-----	1		
	3731 SHIPS AND BOATS-----	50		
	3791 MISC TRANSPORTATION EQUIPMENT-----	4		
	4011 IRON AND STEEL SCRAP-----	2		
	4112 COMMODITIES, NEC-----	5,906		
	4119 EMPTY CONTAINERS-----	183		
	TOTAL-----	45,974		
CORDOVA HARBOR, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	94		
	1491 SALT-----	21		
	2011 MEAT, FRESH, CHILLED, FROZEN-----	15		
	2031 FISH AND SHELLFISH, PREPARED-----	3,901		
	2039 PREP FRUIT AND VEG JUICE, NEC-----	23		
	2042 ANIMAL FEEDS-----	13		
	2095 ICE-----	20		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	276		
	2421 LUMBER-----	387		
	2491 WOOD MANUFACTURES, NEC-----	397		
	2511 FURNITURE AND FIXTURES-----	2		
	2691 PULP AND PAPER PRODUCTS, NEC-----	30		
	2911 GASOLINE-----	1,671		
	2912 JET FUEL-----	797		
	2914 DISTILLATE FUEL OIL-----	6,825		
	2991 PETROLEUM AND COAL PROD, NEC-----	20		
	3291 MISC NONMETALLIC MINERAL PROD-----	394		
	3411 FABRICATED METAL PRODUCTS-----	104		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	46		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	15		
	3731 SHIPS AND BOATS-----	23		
	3911 MISC MANUFACTURED PRODUCTS-----	89		
	4112 COMMODITIES, NEC-----	851		
	4119 EMPTY CONTAINERS-----	3		
	TOTAL-----	16,217		22,800
CRAIG HARBOR, ALASKA-----	1491 SALT-----	24		
	2031 FISH AND SHELLFISH, PREPARED-----	1		
	2691 PULP AND PAPER PRODUCTS, NEC-----	24		
	2911 GASOLINE-----	1,556		
	2912 JET FUEL-----	722		
	2914 DISTILLATE FUEL OIL-----	3,555		
	2915 RESIDUAL FUEL OIL-----	36		
	3411 FABRICATED METAL PRODUCTS-----	25		
	4112 COMMODITIES, NEC-----	1,524		
	TOTAL-----	7,299		
DILLINGHAM HARBOR, ALASKA-----	1491 SALT-----	33		
	1499 NONMETALLIC MINERALS, NEC-----	9		
	2011 MEAT, FRESH, CHILLED, FROZEN-----	14		
	2039 PREP FRUIT AND VEG JUICE, NEC-----	23		
	2081 ALCOHOLIC BEVERAGES-----	400		
	2094 GROCERIES-----	136		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	480		
	2212 TEXTILE FIBERS, NEC-----	17		
	2414 TIMBER, POSTS, POLES, PILING-----	96		
	2421 LUMBER-----	887		
	2491 WOOD MANUFACTURES, NEC-----	604		
	2511 FURNITURE AND FIXTURES-----	132		
	2691 PULP AND PAPER PRODUCTS, NEC-----	67		
	2819 BASIC CHEMICALS AND PROD, NEC-----	45		
	2871 NITROGENOUS CHEM FERTILIZERS-----	46		
	2911 GASOLINE-----	2,478		
	2912 JET FUEL-----	312		
	2914 DISTILLATE FUEL OIL-----	3,677		
	2921 LIQUEFIED GASES-----	155		
	3241 BUILDING CEMENT-----	249		
	3251 STRUCTURAL CLAY PRODUCTS-----	5		
	3291 MISC NONMETALLIC MINERAL PROD-----	437		
	3317 IRON AND STEEL PIPE AND TUBE-----	211		
	3411 FABRICATED METAL PRODUCTS-----	68		

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT--CONTINUED				
DILLINGHAM HARBOR, ALASKA (CONTINUED)-----	3511 MACHINERY, EXCEPT ELECTRICAL-----	385	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	33	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	235	-----	-----
	3731 SHIPS AND BOATS-----	147	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	8	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	10	-----	-----
	4112 COMMODITIES, NEC-----	1,415	-----	-----
	4119 EMPTY CONTAINERS-----	96	-----	-----
	TOTAL-----	13,430	-----	-----
DOUGLAS HARBOR, ALASKA-----	3291 BUILDING CEMENT-----	100	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	83	-----	-----
	4112 COMMODITIES, NEC-----	208	-----	-----
	TOTAL-----	391	-----	-----
DRY PASS, ALASKA-----	NO COMMERCE REPORTED			
EGEGIK RIVER, ALASKA-----	1491 SALT-----	21	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	32	-----	-----
	2094 GROCERIES-----	29	-----	-----
	2421 LUMBER-----	52	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	47	-----	-----
	2511 FURNITURE AND FIXTURES-----	5	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	20	-----	-----
	2911 GASOLINE-----	62	-----	-----
	2912 JET FUEL-----	12	-----	-----
	2914 DISTILLATE FUEL OIL-----	116	-----	-----
	2921 LIQUEFIED GASES-----	22	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	47	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	141	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	59	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	33	-----	-----
	3731 SHIPS AND BOATS-----	3	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	3	-----	-----
	4112 COMMODITIES, NEC-----	44	-----	-----
	4119 EMPTY CONTAINERS-----	2	-----	-----
	TOTAL-----	750	-----	-----
ELFIN COVE HARBOR, ALASKA-----	2911 GASOLINE-----	94	-----	-----
	2912 JET FUEL-----	107	-----	-----
	2914 DISTILLATE FUEL OIL-----	249	-----	-----
	TOTAL-----	450	-----	-----
GASTINEAU CHANNEL, ALASKA-----	0122 HAY AND FODDER-----	204	-----	-----
	0129 FIELD CROPS, NEC-----	845	-----	-----
	0131 FRESH FRUITS-----	215	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	5,974	-----	-----
	0861 FOREST PRODUCTS, NEC-----	106	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	289	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	289	-----	-----
	1051 ALUMINUM ORES, CONCENTRATES-----	4	-----	-----
	1091 NONFERROUS ORES, CONCENT, NEC-----	25	-----	-----
	1412 BUILDING STONE, UNWORKED-----	16	-----	-----
	1402 SAND, GRAVEL, CRUSHED ROCK-----	2,182	-----	-----
	1451 CLAY-----	15	-----	-----
	1491 SALT-----	138	-----	-----
	2015 ANIMAL BY-PRODUCTS, NEC-----	37	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	251	-----	-----
	2034 VEGETABLES AND PREP, NEC-----	71	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	75	-----	-----
	2042 ANIMAL FEEDS-----	261	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	10	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	1,030	-----	-----
	2094 GROCERIES-----	18,454	-----	-----
	2095 ICE-----	140	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	1,353	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	20	-----	-----
	2411 LOGS-----	87,154	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	8	-----	-----
	2421 LUMBER-----	3,691	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	835	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	2,829	-----	-----
	2511 FURNITURE AND FIXTURES-----	932	-----	-----
	2611 PULP-----	7,046	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	34	-----	-----
	2631 PAPER AND PAPERBOARD-----	1,816	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	838	-----	-----
	2711 PRINTED MATTER-----	14	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	219	-----	-----
	2821 PLASTIC MATERIALS-----	11	-----	-----
	2851 PAINTS-----	157	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	128	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	14	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	55	-----	-----
	2911 GASOLINE-----	13,685	-----	-----
	2912 JET FUEL-----	3,390	-----	-----
	2914 DISTILLATE FUEL OIL-----	18,190	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	174	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	22	-----	-----
	2921 LIQUEFIED GASES-----	179	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	25	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	251	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	74	-----	-----
	3111 LEATHER AND LEATHER PRODUCTS-----	18	-----	-----

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
GASTINEAU CHANNEL, ALASKA (CONTINUED)-----	3211 GLASS AND GLASS PRODUCTS-----	90	-----	-----
	3241 BUILDING CEMENT-----	3,468	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	24	-----	-----
	3271 LIME-----	9	-----	-----
	3281 CUT STONE AND STONE PRODUCTS-----	33	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	3,054	-----	-----
	3314 IRON AND STEEL PRIMARY FORMS-----	20	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	54	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	418	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	46	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	806	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	3,807	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	591	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,039	-----	-----
	3731 SHIPS AND BOATS-----	199	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	152	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	33	-----	-----
	4011 IRON AND STEEL SCRAP-----	141	-----	-----
	4012 NONFERROUS METAL SCRAP-----	423	-----	-----
	4112 COMMODITIES, NEC-----	18,846	-----	-----
	4119 EMPTY CONTAINERS-----	421	-----	-----
	TOTAL-----	207,669	1,661,352	66,468
WOMER, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	9,279	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1,607	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	112	-----	-----
	2042 ANIMAL FEEDS-----	238	-----	-----
	2911 GASOLINE-----	2,019	-----	-----
	2912 JET FUEL-----	16,900	-----	-----
	2914 DISTILLATE FUEL OIL-----	11,473	-----	-----
	2915 RESIDUAL FUEL OIL-----	3,738	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	475	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	5	-----	-----
	4112 COMMODITIES, NEC-----	46	-----	-----
	TOTAL-----	45,892	-----	6,313
WODNAM HARBOR, ALASKA-----	2031 FISH AND SHELLFISH, PREPARED-----	3	-----	-----
	2411 LOGS-----	136,133	-----	-----
	2421 LUMBER-----	106	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	107	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	165	-----	-----
	2911 GASOLINE-----	573	-----	-----
	2912 JET FUEL-----	103	-----	-----
	2914 DISTILLATE FUEL OIL-----	3,649	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	107	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	245	-----	-----
	4112 COMMODITIES, NEC-----	2,367	-----	-----
	TOTAL-----	143,556	-----	6,450
WUMBOLUT HARBOR, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	94	-----	-----
	1491 SALT-----	595	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	139	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	1,622	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	219	-----	-----
	2421 LUMBER-----	213	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	98	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	89	-----	-----
	2511 FURNITURE AND FIXTURES-----	6	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	617	-----	-----
	2911 GASOLINE-----	543	-----	-----
	2914 DISTILLATE FUEL OIL-----	3,753	-----	-----
	2915 RESIDUAL FUEL OIL-----	172	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	10	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	212	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	904	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	199	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	2	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	12	-----	-----
	3731 SHIPS AND BOATS-----	3	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	1	-----	-----
	4112 COMMODITIES, NEC-----	2,460	-----	-----
	4119 EMPTY CONTAINERS-----	6	-----	-----
	TOTAL-----	12,189	-----	243
WUNEAU HARBOR, ALASKA-----	0122 HAY AND FODDER-----	204	-----	-----
	0129 FIELD CROPS, NEC-----	845	-----	-----
	0131 FRESH FRUITS-----	215	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	5,974	-----	-----
	0861 FOREST PRODUCTS, NEC-----	106	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	289	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	289	-----	-----
	1051 ALUMINUM DRES, CONCENTRATES-----	4	-----	-----
	1091 NONFERROUS DRES, CONCENT, NEC-----	25	-----	-----
	1412 BUILDING STONE, UNWORKED-----	16	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	2,182	-----	-----
	1451 CLAY-----	15	-----	-----
	1491 SALT-----	138	-----	-----
	2015 ANIMAL BY-PRODUCTS, NEC-----	37	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	251	-----	-----
	2034 VEGETABLES AND PREP, NEC-----	71	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	75	-----	-----
	2042 ANIMAL FEEDS-----	261	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	10	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	1,028	-----	-----

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
JUNEAU HARBOR, ALASKA (CONTINUED)-----	2094 GROCERIES-----	18,454	-----	-----
	2095 ICE-----	140	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	1,353	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	20	-----	-----
	2411 LOGS-----	87,154	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	8	-----	-----
	2421 LUMBER-----	3,889	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	835	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	2,827	-----	-----
	2511 FURNITURE AND FIXTURES-----	932	-----	-----
	2611 PULP-----	7,046	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	34	-----	-----
	2631 PAPER AND PAPERBOARD-----	1,818	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	836	-----	-----
	2711 PRINTED MATTER-----	14	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	209	-----	-----
	2821 PLASTIC MATERIALS-----	11	-----	-----
	2851 PAINTS-----	157	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	128	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	14	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	55	-----	-----
	2911 GASOLINE-----	13,685	-----	-----
	2912 JET FUEL-----	3,390	-----	-----
	2914 DISTILLATE FUEL OIL-----	18,190	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	174	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	22	-----	-----
	2921 LIQUEFIED GASES-----	77	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	25	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	115	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	70	-----	-----
	3111 LEATHER AND LEATHER PRODUCTS-----	18	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	90	-----	-----
	3241 BUILDING CEMENT-----	3,468	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	24	-----	-----
	3271 LIME-----	9	-----	-----
	3281 CUT STONE AND STONE PRODUCTS-----	33	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	3,052	-----	-----
	3314 IRON AND STEEL PRIMARY FORMS-----	20	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	54	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	412	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	46	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	782	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	3,743	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	591	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,025	-----	-----
	3731 SHIPS AND BOATS-----	183	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	152	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	33	-----	-----
	4011 IRON AND STEEL SCRAP-----	141	-----	-----
	4012 NONFERROUS METAL SCRAP-----	423	-----	-----
	4112 COMMODITIES, NEC-----	18,828	-----	-----
	4119 EMPTY CONTAINERS-----	407	-----	-----
	TOTAL-----	207,299	-----	66,466
KAKE HARBOR, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	118	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	686	-----	-----
	2411 LOGS-----	39,514	-----	-----
	2412 RAFTED LOGS-----	32,731	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	45	-----	-----
	2911 GASOLINE-----	682	-----	-----
	2912 JET FUEL-----	121	-----	-----
	2914 DISTILLATE FUEL OIL-----	2,286	-----	-----
	2915 RESIDUAL FUEL OIL-----	68	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	37	-----	-----
	4112 COMMODITIES, NEC-----	1,672	-----	-----
	TOTAL-----	77,960	-----	2,916
KING COVE LAGOON, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	20	-----	-----
	1491 SALT-----	227	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	136	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	8,555	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	214	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	41	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	267	-----	-----
	2911 GASOLINE-----	186	-----	-----
	2914 DISTILLATE FUEL OIL-----	5,094	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	977	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	16	-----	-----
	4112 COMMODITIES, NEC-----	2,152	-----	-----
	TOTAL-----	17,887	-----	249
YAKNEK RIVER, ALASKA-----	1491 SALT-----	491	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	55	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	7,674	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	88	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	609	-----	-----
	2094 GROCERIES-----	326	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	182	-----	-----
	2411 LOGS-----	18	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	87	-----	-----
	2421 LUMBER-----	716	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	89	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	870	-----	-----
	2511 FURNITURE AND FIXTURES-----	33	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	159	-----	-----

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT--CONTINUED				
YAKNEK RIVER, ALASKA (CONTINUED)-----	2911 GASOLINE-----	1,466	-----	-----
	2912 JET FUEL-----	2,736	-----	-----
	2914 DISTILLATE FUEL OIL-----	7,991	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	24	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	406	-----	-----
	2921 LIQUEFIED GASES-----	83	-----	-----
	3241 BUILDING CEMENT-----	167	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	691	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	10	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	50	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	9	-----	-----
	3322 COPPER ALLOYS, UNWORKED-----	166	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	1,210	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	689	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	7	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	519	-----	-----
	3721 AIRCRAFT AND PARTS-----	3	-----	-----
	3731 SHIPS AND BOATS-----	495	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	51	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	8	-----	-----
	4112 COMMODITIES, NEC-----	3,777	-----	-----
	4119 EMPTY CONTAINERS-----	98	-----	-----
	TOTAL-----	72,293	52,116	-----
YAKUTIK HARBOR, ALASKA-----	NO COMMERCE REPORTED			
YOME, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	808	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	224	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	19	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	387	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	438	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	49	-----	-----
	2421 LUMBER-----	720	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	119	-----	-----
	2511 FURNITURE AND FIXTURES-----	243	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	22	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	23	-----	-----
	2911 GASOLINE-----	562	-----	-----
	2912 JET FUEL-----	317	-----	-----
	2914 DISTILLATE FUEL OIL-----	19,777	-----	-----
	2921 LIQUEFIED GASES-----	112	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	83	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	47	-----	-----
	3241 BUILDING CEMENT-----	230	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	137	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	6	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	121	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	913	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	1,876	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	30	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	333	-----	-----
	3721 AIRCRAFT AND PARTS-----	1	-----	-----
	3731 SHIPS AND BOATS-----	26	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	49	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	2	-----	-----
	4011 IRON AND STEEL SCRAP-----	16	-----	-----
	4112 COMMODITIES, NEC-----	1,115	-----	-----
	4119 EMPTY CONTAINERS-----	17	-----	-----
	TOTAL-----	28,812	-----	-----
OLD HARBOR, ALASKA-----	1491 SALT-----	38	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	7	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	737	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	11	-----	-----
	2421 LUMBER-----	22	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	21	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	25	-----	-----
	2911 GASOLINE-----	1,109	-----	-----
	2914 DISTILLATE FUEL OIL-----	2,720	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	21	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	76	-----	-----
	4112 COMMODITIES, NEC-----	108	-----	-----
	TOTAL-----	4,895	-----	-----
PELICAN HARBOR, ALASKA-----	1491 SALT-----	3	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	2,696	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	3	-----	-----
	2911 GASOLINE-----	60	-----	-----
	2912 JET FUEL-----	167	-----	-----
	2914 DISTILLATE FUEL OIL-----	782	-----	-----
	2915 RESIDUAL FUEL OIL-----	72	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	19	-----	-----
	4112 COMMODITIES, NEC-----	1,068	-----	-----
	TOTAL-----	4,870	-----	620
PETERSBURG HARBOR, ALASKA-----	0161 ANIMALS AND PRODUCTS, NEC-----	19	-----	-----
	0191 MISCELLANEOUS FARM PRODUCTS-----	62	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	91	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	35	-----	-----
	1491 SALT-----	159	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	3,741	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	50	-----	-----
	2094 GROCERIES-----	750	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	184	-----	-----

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT--CONTINUED				
PETERSBURG HARBOR, ALASKA (CONTINUED)-----	2211 BASIC TEXTILE PRODUCTS-----	3	-----	-----
	2412 RAFTED LOGS-----	4,924	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	157	-----	-----
	2416 WOOD CHIPS, STAVES, MOLDINGS-----	1,338	-----	-----
	2421 LUMBER-----	1,383	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	6	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	258	-----	-----
	2511 FURNITURE AND FIXTURES-----	148	-----	-----
	2631 PAPER AND PAPERBOARD-----	9	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	261	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	89	-----	-----
	2841 SOAP-----	1	-----	-----
	2851 PAINTS-----	6	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	2	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	17	-----	-----
	2911 GASOLINE-----	3,413	-----	-----
	2912 JET FUEL-----	1,141	-----	-----
	2914 DISTILLATE FUEL OIL-----	10,872	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	22	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	39	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	35	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	52	-----	-----
	3241 BUILDING CEMENT-----	348	-----	-----
	3291 MISC. NONMETALLIC MINERAL PROD-----	48	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	12	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	2	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	1,155	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	1,047	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	10	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	283	-----	-----
	3721 AIRCRAFT AND PARTS-----	3	-----	-----
	3731 SHIPS AND BOATS-----	14	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	32	-----	-----
	4029 WASTE AND SCRAP, NEC-----	17	-----	-----
	4112 COMMODITIES, NEC-----	233	-----	-----
	4119 EMPTY CONTAINERS-----	43	-----	-----
	TOTAL-----	32,516	-----	14,158
PORT ALEXANDER, ALASKA-----	2911 GASOLINE-----	28	-----	-----
	2912 JET FUEL-----	15	-----	-----
	2914 DISTILLATE FUEL OIL-----	112	-----	-----
	2915 RESIDUAL FUEL OIL-----	32	-----	-----
	3321 NONFERROUS METALS, NEC-----	10	-----	-----
	TOTAL-----	195	-----	-----
ROCKY PASS IN NEKU STRAIT, ALASKA-----	3511 MACHINERY, EXCEPT ELECTRICAL-----	12	-----	-----
SELDOVIA HARBOR, ALASKA-----	2911 GASOLINE-----	94	-----	2,170
STIKINE RIVER, ALASKA-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	15,390	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	10	-----	-----
	TOTAL-----	15,400	-----	-----
NONPROJECT				
CHATMAN STRAIT, ALASKA-----	0161 ANIMALS AND PRODUCTS, NEC-----	38	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	44	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	10,169	-----	-----
	1491 SALT-----	347	-----	-----
	1492 SULPHUR, DRY-----	9,642	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	7	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	9,698	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	11	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	79	-----	-----
	2094 GROCERIES-----	2,296	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	267	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	8	-----	-----
	2411 LOGS-----	39,514	-----	-----
	2412 RAFTED LOGS-----	614,187	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	100	-----	-----
	2415 PULPHOOD, LOG-----	6,883	-----	-----
	2416 WOOD CHIPS, STAVES, MOLDINGS-----	193,685	-----	-----
	2421 LUMBER-----	767	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	68	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	974	-----	-----
	2511 FURNITURE AND FIXTURES-----	486	-----	-----
	2611 PULP-----	27,978	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	44	-----	-----
	2631 PAPER AND PAPERBOARD-----	10	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	1,058	-----	-----
	2810 SODIUM HYDROXIDE-----	32,000	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	2,268	-----	-----
	2821 PLASTIC MATERIALS-----	2	-----	-----
	2841 SOAP-----	82	-----	-----
	2851 PAINTS-----	79	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	21	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	14	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	14,973	-----	-----
	2911 GASOLINE-----	40,938	-----	-----
	2912 JET FUEL-----	11,637	-----	-----
	2914 DISTILLATE FUEL OIL-----	112,542	-----	-----
	2915 RESIDUAL FUEL OIL-----	9,919	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	61,946	-----	-----
	2921 LIQUEFIED GASES-----	93	-----	-----

ALASKA DISTRICT

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OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
NONPROJECT--CONTINUED				
CHATHAM STRAIT, ALASKA (CONTINUED)-----	2951 ASPHALT BUILDING MATERIALS-----	72	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	1,945	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	146	-----	-----
	3241 BUILDING CEMENT-----	1,777	-----	-----
	3271 LIME-----	1,481	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	493	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	25	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	72	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	52	-----	-----
	3321 NONFERROUS METALS, NEC-----	10	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	2,938	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	6,563	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	17	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	950	-----	-----
	3721 AIRCRAFT AND PARTS-----	4	-----	-----
	3731 SHIPS AND BOATS-----	194	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	455	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	1,066	-----	-----
	4011 IRON AND STEEL SCRAP-----	886	-----	-----
	4029 WASTE AND SCRAP, NEC-----	34	-----	-----
CLARENCE STRAIT, ALASKA-----	4112 COMMODITIES, NEC-----	43,740	-----	-----
	4119 EMPTY CONTAINERS-----	313	-----	-----
	TOTAL-----	1,268,129	54,124,799	45,204
	0191 MISCELLANEOUS FARM PRODUCTS-----	86	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	384	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	400	-----	-----
	1491 SALT-----	25	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	686	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	453	-----	-----
	2094 GROCERIES-----	5,395	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	1,254	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	21	-----	-----
	2411 LOGS-----	43,144	-----	-----
	2412 RAFTED LOGS-----	1,180,138	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	107	-----	-----
	2416 WOOD CHIPS, STAVES, MOLDINGS-----	1,338	-----	-----
	2421 LUMBER-----	40,974	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	135	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	481	-----	-----
	2511 FURNITURE AND FIXTURES-----	613	-----	-----
	2611 PULP-----	3,123	-----	-----
FREDERICK SOUND, ALASKA-----	2631 PAPER AND PAPERBOARD-----	22	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	1,373	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	108	-----	-----
	2851 PAINTS-----	42	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	69	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	43	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	1,812	-----	-----
	2911 GASOLINE-----	57,056	-----	-----
	2912 JET FUEL-----	13,873	-----	-----
	2914 DISTILLATE FUEL OIL-----	135,295	-----	-----
	2915 RESIDUAL FUEL OIL-----	457	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	6,518	-----	-----
	2917 NAPHTHA, PETROLEUM SOLVENTS-----	54	-----	-----
	2921 LIQUEFIED GASES-----	20	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	4	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	190	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	131	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	12	-----	-----
	3241 BUILDING CEMENT-----	271	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	2	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	726	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	2	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	1,911	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	9,131	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	173	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	692	-----	-----
	3721 AIRCRAFT AND PARTS-----	3	-----	-----
	3731 SHIPS AND BOATS-----	40	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	14	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	21	-----	-----
	4011 IRON AND STEEL SCRAP-----	127	-----	-----
	4112 COMMODITIES, NEC-----	33,855	-----	-----
	4119 EMPTY CONTAINERS-----	623	-----	-----
	TOTAL-----	1,523,427	68,496,162	22,692
	0122 HAY AND FODDER-----	204	-----	-----
	0131 FRESH FRUITS-----	1	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	2	-----	-----
	0161 ANIMALS AND PRODUCTS, NEC-----	19	-----	-----
	0861 FOREST PRODUCTS, NEC-----	106	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	162	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	395	-----	-----
	1451 CLAY-----	15	-----	-----
	1491 SALT-----	363	-----	-----
	1492 SULPHUR, DRY-----	9,642	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	7	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	13,026	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	11	-----	-----
	2042 ANIMAL FEEDS-----	254	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	10	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	1,098	-----	-----
	2094 GROCERIES-----	20,648	-----	-----
	2095 ICE-----	140	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	873	-----	-----

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
NONPROJECT--CONTINUED				
FREDERICK SOUND, ALASKA (CONTINUED)-----	2211 BASIC TEXTILE PRODUCTS-----	28	-----	-----
	2411 LOGS-----	40,432	-----	-----
	2412 RAFTED LOGS-----	276,754	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	54	-----	-----
	2416 WOOD CHIPS, STAVES, MOULDINGS-----	193,685	-----	-----
	2421 LUMBER-----	2,932	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	176	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	2,920	-----	-----
	2511 FURNITURE AND FIXTURES-----	1,192	-----	-----
	2611 PULP-----	27,978	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	56	-----	-----
	2631 PAPER AND PAPERBOARD-----	31	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	1,886	-----	-----
	2810 SODIUM HYDROXIDE-----	32,000	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	2,160	-----	-----
	2821 PLASTIC MATERIALS-----	13	-----	-----
	2841 SOAP-----	82	-----	-----
	2851 PAINTS-----	227	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	149	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	28	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	15,513	-----	-----
	2911 GASOLINE-----	56,279	-----	-----
	2912 JET FUEL-----	15,772	-----	-----
	2914 DISTILLATE FUEL OIL-----	129,518	-----	-----
	2915 RESIDUAL FUEL OIL-----	9,959	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	62,111	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	22	-----	-----
	2921 LIQUEFIED GASES-----	268	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	61	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	2,179	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	194	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	90	-----	-----
	3241 BUILDING CEMENT-----	552	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	23	-----	-----
	3271 LIME-----	1,490	-----	-----
	3281 CUT STONE AND STONE PRODUCTS-----	33	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	3,605	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	74	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	490	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	97	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	3,515	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	6,955	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	155	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,638	-----	-----
	3721 AIRCRAFT AND PARTS-----	7	-----	-----
	3731 SHIPS AND BOATS-----	316	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	469	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	1,078	-----	-----
	4011 IRON AND STEEL SCRAP-----	956	-----	-----
	4029 WASTE AND SCRAP, NEC-----	17	-----	-----
	4112 COMMODITIES, NEC-----	55,957	-----	-----
	4119 EMPTY CONTAINERS-----	708	-----	-----
	TOTAL-----	999,858	51,450,783	36,149
ICY STRAIT, ALASKA-----	0129 FIELD CROPS, NEC-----	845	-----	-----
	0131 FRESH FRUITS-----	214	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	5,972	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	320	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	289	-----	-----
	1051 ALUMINUM DRES, CONCENTRATES-----	4	-----	-----
	1091 NONFERROUS ORES, CONCENT, NEC-----	1,243,536	-----	-----
	1412 BUILDING STONE, UNWORKED-----	16	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	1,424	-----	-----
	1491 SALT-----	13	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	7	-----	-----
	2015 ANIMAL BY-PRODUCTS, NEC-----	37	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	4,494	-----	-----
	2034 VEGETABLES AND PREP, NEC-----	71	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	86	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	42	-----	-----
	2094 GROCERIES-----	55	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	747	-----	-----
	2411 LOGS-----	222,369	-----	-----
	2412 RAFTED LOGS-----	235,055	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	81	-----	-----
	2421 LUMBER-----	4,060	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	920	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	1,024	-----	-----
	2511 FURNITURE AND FIXTURES-----	13	-----	-----
	2611 PULP-----	7,046	-----	-----
	2631 PAPER AND PAPERBOARD-----	1,796	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	16	-----	-----
	2711 PRINTED MATTER-----	14	-----	-----
	2813 ALCOHOLS-----	10	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	2	-----	-----
	2851 PAINTS-----	5	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	229	-----	-----
	2911 GASOLINE-----	75,204	-----	-----
	2912 JET FUEL-----	9,414	-----	-----
	2914 DISTILLATE FUEL OIL-----	83,667	-----	-----
	2915 RESIDUAL FUEL OIL-----	111	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	1	-----	-----
	3111 LEATHER AND LEATHER PRODUCTS-----	18	-----	-----
	3241 BUILDING CEMENT-----	3,256	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	1	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	437	-----	-----
	3314 IRON AND STEEL PRIMARY FORMS-----	20	-----	-----

ALASKA DISTRICT

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OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
NONPROJECT--CONTINUED				
ICY STRAIT, ALASKA (CONTINUED)-----				
	3319 IRON AND STEEL PRODUCTS, NEC-----	1		
	3411 FABRICATED METAL PRODUCTS-----	278		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	1,006		
	3611 ELECTRICAL MACH AND EQUIP-----	458		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	31		
	3721 AIRCRAFT AND PARTS-----	3		
	3791 MISC TRANSPORTATION EQUIPMENT-----	20		
	3911 MISC MANUFACTURED PRODUCTS-----	21		
	4011 IRON AND STEEL SCRAP-----	16		
	4012 NONFERROUS METAL SCRAP-----	423		
	4112 COMMODITIES, NEC-----	5,273		
	4119 EMPTY CONTAINERS-----	13		
	TOTAL-----	1,913,484	103,142,080	134,541
LYNN CANAL, ALASKA-----				
	0129 FIELD CROPS, NEC-----	845		
	0131 FRESH FRUITS-----	214		
	0141 FRESH AND FROZEN VEGETABLES-----	5,972		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	289		
	0912 SHELLFISH, EXCEPT PREPARED-----	289		
	1051 ALUMINUM ORES, CONCENTRATES-----	4		
	1091 NONFERROUS ORES, CONCENT, NEC-----	1,243,536		
	1412 BUILDING STONE, UNWORKED-----	16		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	1,824		
	2015 ANIMAL BY-PRODUCTS, NEC-----	37		
	2031 FISH AND SHELLFISH, PREPARED-----	3		
	2034 VEGETABLES AND PREP, NEC-----	71		
	2039 PREP FRUIT AND VEG JUICE, NEC-----	75		
	2081 ALCOHOLIC BEVERAGES-----	17		
	2094 GROCERIES-----	404		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	748		
	2211 BASIC TEXTILE PRODUCTS-----	1		
	2411 LOGS-----	86,236		
	2412 RAFTED LOGS-----	44,415		
	2414 TIMBER, POSTS, POLES, MILLING-----	81		
	2421 LUMBER-----	3,992		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	943		
	2491 WOOD MANUFACTURES, NEC-----	926		
	2511 FURNITURE AND FIXTURES-----	22		
	2611 PULP-----	7,046		
	2631 PAPER AND PAPERBOARD-----	1,796		
	2711 PRINTED MATTER-----	14		
	2813 ALCOHOLS-----	10		
	2819 BASIC CHEMICALS AND PROD, NEC-----	475		
	2851 PAINTS-----	5		
	2871 NITROGENOUS CHEM FERTILIZERS-----	1		
	2879 FERTILIZER AND MATERIALS, NEC-----	8		
	2911 GASOLINE-----	104,721		
	2912 JET FUEL-----	14,352		
	2914 DISTILLATE FUEL OIL-----	156,082		
	2915 RESIDUAL FUEL OIL-----	32		
	2916 LUBRICATING OILS AND GREASES-----	474		
	2991 PETROLEUM AND COAL PROD, NEC-----	1,282		
	3011 RUBBER AND MISC PLASTIC PROD-----	5		
	3111 LEATHER AND LEATHER PRODUCTS-----	18		
	3241 BUILDING CEMENT-----	3,276		
	3251 STRUCTURAL CLAY PRODUCTS-----	1		
	3271 LIME-----	1,481		
	3291 MISC NONMETALLIC MINERAL PROD-----	361		
	3314 IRON AND STEEL PRIMARY FORMS-----	20		
	3319 IRON AND STEEL PRODUCTS, NEC-----	1		
	3411 FABRICATED METAL PRODUCTS-----	1,180		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	1,509		
	3611 ELECTRICAL MACH AND EQUIP-----	454		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	57		
	3731 SHIPS AND BOATS-----	2		
	3791 MISC TRANSPORTATION EQUIPMENT-----	40		
	3911 MISC MANUFACTURED PRODUCTS-----	1,062		
	4011 IRON AND STEEL SCRAP-----	17		
	4012 NONFERROUS METAL SCRAP-----	423		
	4112 COMMODITIES, NEC-----	32,928		
	4119 EMPTY CONTAINERS-----	58		
	TOTAL-----	1,720,171	144,584,381	161,861
NICHOLS PASSAGE, ALASKA-----				
	0191 MISCELLANEOUS FARM PRODUCTS-----	86		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	284		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	2,030		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	1,021		
	2411 LOGS-----	43,144		
	2412 RAFTED LOGS-----	288,375		
	2416 WOOD CHIPS, STAVES, MOULDINGS-----	91,242		
	2421 LUMBER-----	40,268		
	2491 WOOD MANUFACTURES, NEC-----	2		
	2511 FURNITURE AND FIXTURES-----	32		
	2691 PULP AND PAPER PRODUCTS, NEC-----	5		
	2819 BASIC CHEMICALS AND PROD, NEC-----	104		
	2911 GASOLINE-----	857		
	2914 DISTILLATE FUEL OIL-----	1,214		
	2991 PETROLEUM AND COAL PROD, NEC-----	20		
	3011 RUBBER AND MISC PLASTIC PROD-----	22		
	3211 GLASS AND GLASS PRODUCTS-----	9		
	3241 BUILDING CEMENT-----	159		
	3411 FABRICATED METAL PRODUCTS-----	1,110		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	694		
	3611 ELECTRICAL MACH AND EQUIP-----	78		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	226		
	3911 MISC MANUFACTURED PRODUCTS-----	4		

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
NONPROJECT--CONTINUED				
VICHOLB PASSAGE, ALASKA (CONTINUED)-----	4112 COMMODITIES, NEC-----	55		
	TOTAL-----	471,041	3,393,615	5,436
VIKISHMA, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	7,166		
	0912 SHELLFISH, EXCEPT PREPARED-----	2,407		
	1311 CRUDE PETROLEUM-----	4,431,671		
	1451 CLAY-----	727		
	2031 FISH AND SHELLFISH, PREPARED-----	1,505		
	2042 ANIMAL FEEDS-----	726		
	2819 BASIC CHEMICALS AND PROD, NEC-----	313,272		
	2871 NITROGENOUS CHEM FERTILIZERS-----	427,915		
	2911 GASOLINE-----	86,423		
	2912 JET FUEL-----	21,309		
	2914 DISTILLATE FUEL OIL-----	402,652		
	2915 RESIDUAL FUEL OIL-----	1,312,703		
	2921 LIQUEFIED GASES-----	982,487		
	3211 GLASS AND GLASS PRODUCTS-----	20		
	3241 BUILDING CEMENT-----	763		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	3,816		
	3611 ELECTRICAL MACH AND EQUIP-----	24		
	4029 WASTE AND SCRAP, NEC-----	247		
	4111 WATER-----	45,750		
	4112 COMMODITIES, NEC-----	11,176		
	TOTAL-----	8,052,559		
PERIL STRAIT, ALASKA-----	0161 ANIMALS AND PRODUCTS, NEC-----	38		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	9,769		
	1491 SALT-----	334		
	1492 SULPHUR, DRY-----	9,642		
	2031 FISH AND SHELLFISH, PREPARED-----	5,470		
	2094 GROCERIES-----	1,761		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	241		
	2211 BASIC TEXTILE PRODUCTS-----	7		
	2412 RAFTED LOGS-----	364,684		
	2414 TIMBER, POSTS, POLES, PILING-----	100		
	2415 PULPHOOD, LOG-----	6,883		
	2416 WOOD CHIPS, STAVES, MOLDINGS-----	193,665		
	2421 LUMBER-----	521		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	43		
	2491 WOOD MANUFACTURES, NEC-----	763		
	2511 FURNITURE AND FIXTURES-----	477		
	2611 PULP-----	27,978		
	2621 STANDARD NEWSPRINT PAPER-----	44		
	2631 PAPER AND PAPERBOARD-----	18		
	2691 PULP AND PAPER PRODUCTS, NEC-----	1,042		
	2810 SODIUM HYDROXIDE-----	32,000		
	2819 BASIC CHEMICALS AND PROD, NEC-----	1,793		
	2821 PLASTIC MATERIALS-----	2		
	2841 SOAP-----	82		
	2851 PAINTS-----	79		
	2871 NITROGENOUS CHEM FERTILIZERS-----	20		
	2879 FERTILIZER AND MATERIALS, NEC-----	6		
	2891 MISCELLANEOUS CHEMICAL PROD-----	14,244		
	2911 GASOLINE-----	8,216		
	2912 JET FUEL-----	5,694		
	2914 DISTILLATE FUEL OIL-----	27,891		
	2915 RESIDUAL FUEL OIL-----	9,683		
	2916 LUBRICATING OILS AND GREASES-----	61,449		
	2921 LIQUEFIED GASES-----	93		
	2951 ASPHALT BUILDING MATERIALS-----	72		
	2991 PETROLEUM AND COAL PROD, NEC-----	598		
	3011 RUBBER AND MISC PLASTIC PROD-----	142		
	3241 BUILDING CEMENT-----	1,627		
	3291 MISC NONMETALLIC MINERAL PROD-----	331		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	25		
	3317 IRON AND STEEL PIPE AND TUBE-----	72		
	3321 NONFERROUS METALS, NEC-----	10		
	3411 FABRICATED METAL PRODUCTS-----	1,334		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	2,945		
	3611 ELECTRICAL MACH AND EQUIP-----	12		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	921		
	3721 AIRCRAFT AND PARTS-----	4		
	3731 SHIPS AND BOATS-----	193		
	3791 MISC TRANSPORTATION EQUIPMENT-----	395		
	3911 MISC MANUFACTURED PRODUCTS-----	5		
	4011 IRON AND STEEL SCRAP-----	885		
	4029 WASTE AND SCRAP, NEC-----	34		
	4112 COMMODITIES, NEC-----	7,500		
	4119 EMPTY CONTAINERS-----	258		
	TOTAL-----	802,655	34,320,766	
PRINCE MALES IS, WEST SIDE, ALASKA-----	1491 SALT-----	17		
	2412 RAFTED LOGS-----	730,200		
	2691 PULP AND PAPER PRODUCTS, NEC-----	17		
	2891 MISCELLANEOUS CHEMICAL PROD-----	520		
	2911 GASOLINE-----	1,007		
	2912 JET FUEL-----	392		
	2914 DISTILLATE FUEL OIL-----	4,192		
	3291 MISC NONMETALLIC MINERAL PROD-----	218		
	3411 FABRICATED METAL PRODUCTS-----	17		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	1,574		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	6		
	4112 COMMODITIES, NEC-----	68		
	TOTAL-----	738,228		

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
NONPROJECT--CONTINUED				
REVILLAGIGADO CHANNEL, ALASKA-----	0101 COTTON, RAW-----	224	-----	-----
	0131 FRESH FRUITS-----	77	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	48	-----	-----
	0161 ANIMALS AND PRODUCTS, NEC-----	36	-----	-----
	0191 MISCELLANEOUS FARM PRODUCTS-----	768	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	4,162	-----	-----
	1091 NONFERROUS ORES, CONCENT, NEL-----	41	-----	-----
	1311 CRUDE PETROLEUM-----	17,971	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	15,663	-----	-----
	1491 SALT-----	221	-----	-----
	1492 SULPHUR, DRY-----	9,801	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	3	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	3,725	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	5	-----	-----
	2042 ANIMAL FEEDS-----	56	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	176	-----	-----
	2092 ANIMAL OILS AND FATS, NEC-----	19	-----	-----
	2094 GROCERIES-----	4,402	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	14,079	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	306	-----	-----
	2311 APPAREL-----	3	-----	-----
	2411 LOGS-----	1,074,019	-----	-----
	2412 RAFTED LOGS-----	164,825	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	254	-----	-----
	2421 LUMBER-----	166,996	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	192	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	345	-----	-----
	2511 FURNITURE AND FIXTURES-----	1,172	-----	-----
	2611 PULP-----	177,768	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	14	-----	-----
	2631 PAPER AND PAPERBOARD-----	2	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	3,146	-----	-----
	2711 PRIVIED MATTER-----	2	-----	-----
	2810 SODIUM HYDROXIDE-----	31,900	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	2,684	-----	-----
	2831 DRUGS-----	25	-----	-----
	2841 SOAP-----	39	-----	-----
	2851 PAINTS-----	4	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	26	-----	-----
	2876 INSECTICIDES, DISINFECTANTS-----	2	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	40	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	14,717	-----	-----
	2911 GASOLINE-----	37,222	-----	-----
	2912 JET FUEL-----	16,554	-----	-----
	2914 DISTILLATE FUEL OIL-----	86,430	-----	-----
	2915 RESIDUAL FUEL OIL-----	7,865	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	37,917	-----	-----
	2917 NAPHTHA, PETROLEUM SOLVENTS-----	27	-----	-----
	2921 LIQUEFIED GASES-----	1,354	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	4	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	1,786	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	744	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	544	-----	-----
	3241 BUILDING CEMENT-----	19,204	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	5	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	353	-----	-----
	3314 IRON AND STEEL PRIMARY FORMS-----	97	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	2,497	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	5,333	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	7	-----	-----
	3321 NONFERROUS METALS, NEC-----	41	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	12,489	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	8,029	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	655	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	3,280	-----	-----
	3731 SHIPS AND BOATS-----	39	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	191	-----	-----
	3811 INSTR, TIME, PHOTO, OPT GOODS-----	1	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	347	-----	-----
	4011 IRON AND STEEL SCRAP-----	649	-----	-----
	4029 WASTE AND SCRAP, NEC-----	14	-----	-----
	4112 COMMODITIES, NEC-----	7,622	-----	-----
	4119 EMPTY CONTAINERS-----	446	-----	-----
	TOTAL-----	1,961,564	78,266,216	52,628
STEPHENS PASSAGE, ALASKA-----	0101 COTTON, RAW-----	123	-----	-----
	0103 CORN-----	22	-----	-----
	0122 HAY AND FODDER-----	204	-----	-----
	0129 FIELD CROPS, NEC-----	845	-----	-----
	0131 FRESH FRUITS-----	256	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	6,557	-----	-----
	0191 MISCELLANEOUS FARM PRODUCTS-----	6	-----	-----
	0861 FOREST PRODUCTS, NEC-----	106	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,516	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	435	-----	-----
	0931 MARINE SHELLS, UNMANUFACTURED-----	92	-----	-----
	1051 ALUMINUM ORES, CONCENTRATES-----	6	-----	-----
	1091 NONFERROUS ORES, CONCENT, NEC-----	148	-----	-----
	1412 BUILDING STONE, UNWORKED-----	150	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	2,182	-----	-----
	1451 CLAY-----	285	-----	-----
	1491 SALT-----	138	-----	-----
	1499 NONMETALLIC MINERALS, NEC-----	448	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	144	-----	-----
	2015 ANIMAL BY-PRODUCTS, NEC-----	195	-----	-----
	2022 DRIED MILK AND CREAM-----	14	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	251	-----	-----

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS MILES	PASSENGERS
NONPROJECT--CONTINUED				
STEPHENS PASSAGE, ALASKA (CONTINUED)-----	2034 VEGETABLES AND PREP, NEC-----	91	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	125	-----	-----
	2042 ANIMAL FEEDS-----	2,237	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	37	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	1,230	-----	-----
	2094 GROCERIES-----	18,458	-----	-----
	2095 ICE-----	140	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	1,427	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	45	-----	-----
	2411 LOGS-----	187,047	-----	-----
	2412 RAFTED LOGS-----	33,506	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	8	-----	-----
	2421 LUMBER-----	7,566	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	949	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	2,957	-----	-----
	2511 FURNITURE AND FIXTURES-----	932	-----	-----
	2611 PULP-----	8,555	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	588	-----	-----
	2631 PAPER AND PAPERBOARD-----	3,653	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	858	-----	-----
	2711 PRINTED MATTER-----	14	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	1,018	-----	-----
	2821 PLASTIC MATERIALS-----	36	-----	-----
	2823 SYNTHETIC (MAN-MADE) FIBERS-----	1	-----	-----
	2841 SOAP-----	30	-----	-----
	2851 PAINTS-----	157	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	128	-----	-----
	2876 INSECTICIDES, DISINFECTANTS-----	11	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	14	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	606	-----	-----
	2911 GASOLINE-----	15,868	-----	-----
	2912 JET FUEL-----	5,672	-----	-----
	2914 DISTILLATE FUEL OIL-----	21,760	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	174	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	22	-----	-----
	2921 LIQUEFIED GASES-----	186	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	25	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	251	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	98	-----	-----
	3111 LEATHER AND LEATHER PRODUCTS-----	18	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	224	-----	-----
	3241 BUOILING CEMENT-----	3,595	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	24	-----	-----
	3271 LIME-----	9	-----	-----
	3281 CUT STONE AND STONE PRODUCTS-----	33	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	3,320	-----	-----
	3314 IRON AND STEEL PRIMARY FORMS-----	20	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	61	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	416	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	46	-----	-----
	3321 NONFERROUS METALS, NEC-----	17	-----	-----
	3323 LEAD AND ZINC, UNWORKED-----	1	-----	-----
	3324 ALUMINUM AND ALLOYS, UNWORKED-----	119	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	892	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	3,923	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	703	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,052	-----	-----
	3731 SHIPS AND BOATS-----	229	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	152	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	186	-----	-----
	4011 IRON AND STEEL SCRAP-----	167	-----	-----
	4012 NONFERROUS METAL SCRAP-----	705	-----	-----
	4022 TEXTILE WASTE, SCRAP, SHEEP-----	155	-----	-----
	4024 PAPER WASTE AND SCRAP-----	192	-----	-----
	4112 COMMODITIES, NEC-----	19,548	-----	-----
	4119 EMPTY CONTAINERS-----	423	-----	-----
	9999 DEPARTMENT OF DEFENSE AND SCI-----	15	-----	-----
	TOTAL-----	376,855	9,265,880	66,468
SUMNER STRAIT ALASKA-----	0122 HAY AND FODDER-----	204	-----	-----
	0131 FRESH FRUITS-----	1	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	2	-----	-----
	0161 ANIMALS AND PRODUCTS, NEC-----	27	-----	-----
	0191 MISCELLANEOUS FARM PRODUCTS-----	116	-----	-----
	0861 FOREST PRODUCTS, NEC-----	106	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	908	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	15,756	-----	-----
	1451 CLAY-----	15	-----	-----
	1491 SALT-----	296	-----	-----
	1492 SULPHUR, DRY-----	9,642	-----	-----
	1499 NONMETALLIC MINERALS, NEC-----	101	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	7	-----	-----
	2012 MEAT AND PRODUCTS, NEC-----	21	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	10,752	-----	-----
	2034 VEGETABLES AND PREP, NEC-----	9	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	52	-----	-----
	2042 ANIMAL FEEDS-----	254	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	23	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	1,981	-----	-----
	2091 VEGETABLE OILS, MARG, SHORT-----	22	-----	-----
	2094 GROCERIES-----	21,369	-----	-----
	2095 ICE-----	272	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	3,657	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	415	-----	-----
	2311 APPAREL-----	44	-----	-----
	2411 LOGS-----	81,679	-----	-----
	2412 RAFTED LOGS-----	720,385	-----	-----

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
NONPROJECT--CONTINUED				
SUMNER STRAIT ALASKA (CONTINUED)-----	2414 TIMBER, POSTS, POLES, PILING-----	111	-----	-----
	2416 WOOD CHIPS, STAVES, MOLDINGS-----	195,323	-----	-----
	2421 LUMBER-----	101,110	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	171	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	2,950	-----	-----
	2511 FURNITURE AND FIXTURES-----	1,297	-----	-----
	2611 PULP-----	27,978	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	34	-----	-----
	2631 PAPER AND PAPERBOARD-----	1,575	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	3,484	-----	-----
	2711 PRINTED MATTER-----	117	-----	-----
	2810 SODIUM HYDROXIDE-----	32,000	-----	-----
	2811 CRUDE TAN, OIL, GAS PRODUCTS-----	1	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	2,551	-----	-----
	2821 PLASTIC MATERIALS-----	291	-----	-----
	2831 DRUGS-----	17	-----	-----
	2841 SOAP-----	128	-----	-----
	2851 PAINTS-----	334	-----	-----
	2861 GUM AND WOOD CHEMICALS-----	2	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	149	-----	-----
	2876 INSECTICIDES, DISINFECTANTS-----	18	-----	-----
	2877 FERTILIZER AND MATERIALS, NEC-----	51	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	16,012	-----	-----
	2911 GASOLINE-----	61,195	-----	-----
	2912 JET FUEL-----	17,024	-----	-----
	2914 DISTILLATE FUEL OIL-----	144,221	-----	-----
	2915 RESIDUAL FUEL OIL-----	9,973	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	62,150	-----	-----
	2917 NAPHTHA, PETROLEUM SOLVENTS-----	54	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	22	-----	-----
	2921 LIQUEFIED GASES-----	281	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	24	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	2,150	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	569	-----	-----
	3111 LEATHER AND LEATHER PRODUCTS-----	4	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	290	-----	-----
	3241 BUILDING CEMENT-----	1,363	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	23	-----	-----
	3271 LIME-----	1,470	-----	-----
	3281 CMT STONE AND STONE PRODUCTS-----	33	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	3,706	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	111	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	492	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	187	-----	-----
	3322 COPPER ALLOYS, UNWORKED-----	65	-----	-----
	3324 ALUMINUM AND ALLOYS, UNWORKED-----	4	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	6,336	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	6,512	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	345	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	2,366	-----	-----
	3721 AIRCRAFT AND PARTS-----	4	-----	-----
	3731 SHIPS AND BOATS-----	267	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	431	-----	-----
	3811 INSTR, TIME, PHOTO, OPT GOODS-----	42	-----	-----
	2911 MISC MANUFACTURED PRODUCTS-----	1,196	-----	-----
	4011 IRON AND STEEL SCRAP-----	901	-----	-----
	4112 COMMODITIES, NEC-----	56,966	-----	-----
	4119 EMPTY CONTAINERS-----	784	-----	-----
	TOTAL-----	1,636,561	73,285,447	22,211
TONGASS HARBOR, ALASKA-----	0101 COTTON, RAW-----	224	-----	-----
	0131 FRESH FRUITS-----	77	-----	-----
	0141 FRESH AND FROZEN VEGETABLES-----	98	-----	-----
	0161 ANIMALS AND PRODUCTS, NEC-----	58	-----	-----
	0191 MISCELLANEOUS FARM PRODUCTS-----	788	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	4,262	-----	-----
	1091 NONFERROUS ORES, CONCENT, NEC-----	41	-----	-----
	1311 CRUDE PETROLEUM-----	17,971	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	15,113	-----	-----
	1491 SALT-----	149	-----	-----
	1492 SULPHUR, DRY-----	9,801	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	3	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	3,509	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	5	-----	-----
	2042 ANIMAL FEEDS-----	56	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	240	-----	-----
	2092 ANIMAL OILS AND FATS, NEC-----	19	-----	-----
	2094 GROCERIES-----	6,276	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	14,267	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	316	-----	-----
	2311 APPAREL-----	3	-----	-----
	2411 LOGS-----	1,074,919	-----	-----
	2412 RAFTED LOGS-----	445,013	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	361	-----	-----
	2416 WOOD CHIPS, STAVES, MOLDINGS-----	92,580	-----	-----
	2421 LUMBER-----	167,306	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	129	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	615	-----	-----
	2511 FURNITURE AND FIXTURES-----	1,244	-----	-----
	2611 PULP-----	180,891	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	13	-----	-----
	2631 PAPER AND PAPERBOARD-----	2	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	3,221	-----	-----
	2711 PRINTED MATTER-----	2	-----	-----
	2810 SODIUM HYDROXIDE-----	31,900	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	2,688	-----	-----
	2831 DRUGS-----	25	-----	-----

Waterborne Commerce of the United States, 1987

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
NONPROJECT--CONTINUED				
TONGASS NARROWS, ALASKA (CONTINUED)-----				
	2841 SOAP-----	39	-----	-----
	2851 PAINTS-----	26	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	60	-----	-----
	2876 INSECTICIDES, DISINFECTANTS-----	2	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	69	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	12,544	-----	-----
	2911 GASOLINE-----	63,795	-----	-----
	2912 JET FUEL-----	24,920	-----	-----
	2914 DISTILLATE FUEL OIL-----	147,072	-----	-----
	2915 RESIDUAL FUEL OIL-----	8,320	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	37,977	-----	-----
	2917 NAPHTHA, PETROLEUM SOLVENTS-----	54	-----	-----
	2921 LIQUEFIED GASES-----	1,374	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	7	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	1,848	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	795	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	544	-----	-----
	3241 BUILDING CEMENT-----	19,208	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	5	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	627	-----	-----
	3314 IRON AND STEEL PRIMARY FORMS-----	97	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	2,497	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	5,335	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	7	-----	-----
	3321 M: FERROUS METALS, NEC-----	41	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	12,669	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	13,957	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	659	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	3,449	-----	-----
	3731 SHIPS AND BOATS-----	61	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	223	-----	-----
	3811 INSTR, TIME, PHOTO, OPT GOODS-----	1	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	352	-----	-----
	4011 IRON AND STEEL SCRAP-----	741	-----	-----
	4029 WASTE AND SCRAP, NEC-----	34	-----	-----
	4112 COMMODITIES, NEC-----	10,776	-----	-----
	4119 EMPTY CONTAINERS-----	655	-----	-----
	TOTAL-----	2,448,087	14,628,641	52,628
AMITTIER HARBOR, ALASKA-----				
	0102 BARLEY AND RYE-----	111	-----	-----
	0103 CORN-----	3,518	-----	-----
	0111 SOYBEANS-----	430	-----	-----
	0119 OILSEEDS, NEC-----	338	-----	-----
	0129 FIELD CROPS, NEC-----	385	-----	-----
	0131 FRESH FRUITS-----	207	-----	-----
	0161 ANIMALS AND PRODUCTS, NEC-----	2	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	32,384	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	1,693	-----	-----
	1011 IRON ORE AND CONCENTRATES-----	710	-----	-----
	1311 CRUDE PETROLEUM-----	158	-----	-----
	1411 LIMESTONE-----	159	-----	-----
	1422 SAND, GRAVEL, CRUSHED ROCK-----	1,974	-----	-----
	1451 CLAY-----	1,258	-----	-----
	1471 PHOSPHATE ROCK-----	1,149	-----	-----
	1491 SALT-----	5,494	-----	-----
	1492 SULPHUR, DRY-----	40	-----	-----
	1494 GYPSUM, CRUDE AND PLASTERS-----	4,918	-----	-----
	1499 NONMETALLIC MINERALS, NEC-----	2,570	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	2,049	-----	-----
	2034 VEGETABLES AND PREP, NEC-----	280	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	2,559	-----	-----
	2041 WHEAT FLOUR AND SEMOLINA-----	4,154	-----	-----
	2042 ANIMAL FEEDS-----	7,916	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	3,131	-----	-----
	2061 SUGAR-----	851	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	11,832	-----	-----
	2094 GROCERIES-----	756	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	532	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	1,276	-----	-----
	2421 LUMBER-----	4,211	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	2,605	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	480	-----	-----
	2511 FURNITURE AND FIXTURES-----	113	-----	-----
	2621 STANDARD NEWSPRINT PAPER-----	6,364	-----	-----
	2631 PAPER AND PAPERBOARD-----	4,302	-----	-----
	2810 SODIUM HYDROXIDE-----	378	-----	-----
	2811 CRUDE TAR, OIL, GAS PRODUCTS-----	540	-----	-----
	2813 ALCOHOLS-----	5,419	-----	-----
	2818 SULPHURIC ACID-----	165	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	24,342	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	1,301	-----	-----
	2872 POTASSIC CHEM FERTILIZERS-----	1,535	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	717	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	4,837	-----	-----
	2911 GASOLINE-----	4,572	-----	-----
	2914 DISTILLATE FUEL OIL-----	13,029	-----	-----
	2916 LUBRICATING OILS AND GREASES-----	348	-----	-----
	2917 NAPHTHA, PETROLEUM SOLVENTS-----	4,136	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	1,309	-----	-----
	2921 LIQUEFIED GASES-----	8,856	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	12,569	-----	-----
	3241 BUILDING CEMENT-----	10,612	-----	-----
	3271 LIME-----	515	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	3,652	-----	-----
	3311 PIG IRON-----	186	-----	-----
	3312 SLAG-----	171	-----	-----
	3314 IRON AND STEEL PRIMARY FORMS-----	264	-----	-----

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
NONPROJECT--CONTINUED				
WHITTIER HARBOR, ALASKA (CONTINUED)-----	3315 IRON, STEEL SHAPES, EXC SHEET-----	6,944	-----	-----
	3316 IRON AND STEEL PLATES, SHEETS-----	114	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	11,907	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	2,346	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	15,164	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	26,376	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	475	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	1,500	-----	-----
	4011 IRON AND STEEL SCRAP-----	14,295	-----	-----
	4112 COMMODITIES, NEC-----	6,732	-----	-----
	TOTAL-----	298,194	-----	39,973

SECTION 2
TRIPS AND DRAFTS OF VESSELS

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	DRAFT (FEET)	SELF PROPELLED VESSELS			TOTAL	SELF PROPELLED VESSELS			TOTAL	DIRECTION
		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT		
SAN DIEGO HARBOR, CALIF.										OUTBOUND
38		1			1					
37			1		1					
36		2	1		3					
35		1			1					
34		2			2	1			1	
33		2			2	1			1	
32		3			3	6			6	
31						3			3	
30		2			2	3			4	
29		3			3	4			6	
28		5			5	6			6	
27		20			20	27			27	
26		57			57	35			35	
25		11			11	6	2		8	
24		9			9	4			5	
23		9			9	22			22	
22		10			10	9			9	
21		15		5	20	4		5	9	
20		13		6	19	10		6	119	
19		17			17	23		1	24	
18 AND LESS		6,433		1,581	8,014	6,457		1,580	8,037	
TOTAL		6,620	2	1,592	8,212	6,620	2	1,592	8,212	
NEWPORT BAY HARBOR, CALIF.										OUTBOUND
22					1				1	
19										
15				1	10			1	125	
13					10				10	
12			2		2					
8				1	1			2	1	
6										
3					135				20	
TOTAL				3	160			3	157	
LONG BEACH HARBOR, CALIF.										OUTBOUND
61			2		2		2		2	
60			6		6		6		6	
59			5		5		1		1	
58			7		7		3		3	
57			18		18		4		4	
56			40		40		1		1	
55			2		2		1		1	
54		1	4		5		1		5	
53		1	4		5	1	4		1	
52			14		14		1		8	
51			7		7	1	7		1	
50			2		2		1		2	
49			2		2	1	1		2	
48			2		2	1	1		4	
47							4		4	
46			4		4		4		3	
45		1	2		3	2	1		14	
44		1	7		8	7	7		11	
43		9	6		15	8	3		35	
42		7	1		8	34	1		76	
41		22	4		26	71	5		124	
40		75	4		79	118	6		80	
39		163	23		186	65	15		63	
38		93	25		118	52	11		139	
37		119	24		143	118	21		142	
36		111	27		138	107	35		121	
35		99	34		133	90	31		133	
34		128	28		156	94	39		215	
33		139	42		181	173	42		178	
32		149	31		180	141	37		198	
31		172	41		213	171	27		166	
30		142	21		163	144	22		158	
29		153	21		174	137	20		174	
28		163	16		179	153	21		170	
27		184	9		193	160	10		152	
26		139	7		146	144	8		186	
25		151	14		165	164	18		172	
24		141	11		152	157	15		146	
23		107	18		125	135	11		109	
22		94	12		106	94	15		104	
21		68	8		76	92	11	1	92	
20		46	7	5	58	56	11	4	51	
19		48	9	6	63	34	8	5	42	
18 AND LESS		25,112	197	14,041	39,350	25,116	277	14,043	39,436	
TOTAL		27,840	770	14,052	42,662	27,841	770	14,053	42,664	
LOS ANGELES HARBOR, CALIF.										OUTBOUND
51			8		8	3	1		4	
50			1		1				1	
49						1				
48			2		2					
47			8		8		1		1	
46			1		1	1	2		3	

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
LOS ANGELES HARBOR, CALIF.--(CONTINUED)				INBOUND					OUTBOUND	
45 -		6								
44 -		10								
43 -	1	4				3	1			
42 -	3	4				3	1			
41 -	4	2				4	1			
40 -	20	4				20	3		1	
39 -	34	10				34	15			
38 -	24	27				25	15			
37 -	53	20				53	17			
36 -	71	30				75	24			
35 -	85	36				83	24			
34 -	94	51				94	26			
33 -	103	38				103	35			
32 -	92	42				90	21			
31 -	71	49				104	27			
30 -	102	55				110	23			
29 -	94	30			3	113	29			
28 -	132	44				102	26			
27 -	203	27				209	35			
26 -	136	32				123	26			
25 -	137	26				116	32			
24 -	199	14		1	12	191	23			12
23 -	108	10				107	17			
22 AND LESS -	4,357	595	13,498	407	5,378	4,361	552	13,498	408	5,380
TOTAL -	6,126	986	13,498	408	5,393	6,128	985	13,498	408	5,393
PORT HUENEME, CALIF.				INBOUND					OUTBOUND	
37 -	1					1				
35 -	1					1				
34 -	1					1				
33 -	2					2				
32 -	1					1				
30 -	5			1		6				
29 -	3					3				
28 -	4					4				
27 -	13					15				
26 -	15					15				
25 -	34					34				
24 -	38					38				
23 -	37					37				
22 -	5					5				
21 -	2					2				
20 -	1					1				
19 -	10					12				
18 AND LESS -	2,235	1	22	10	2	2,247	1	21	9	2
TOTAL -	2,408	1	23	11	2	2,407	1	22	10	2
MISSION BAY, CALIF.				INBOUND					OUTBOUND	
TOTAL, 10 AND LESS -	161		2	20		161		2	20	
MORRO BAY HARBOR, CALIF.				INBOUND					OUTBOUND	
TOTAL, AND LESS -			2			2		2		
REDONDO BEACH, CALIF.				INBOUND					OUTBOUND	
TOTAL, 8 AND LESS -	239		229			239		229		
SANTA BARBARA HARBOR, CALIF.				NO VESSEL TRIPS REPORTED						
ELLWOOD, CALIF.				INBOUND					OUTBOUND	
TOTAL, 30 AND LESS -	9,174		25		57	9,174		25		58

* EXCLUDES DOMESTIC FISHING CRAFT.

SACRAMENTO, CA, DISTRICT

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TRIPS AND DRAFT OF VESSELS *

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
SACRAMENTO RIVER, CALIF.				JPBOJND						DUANBOJND		
29	6	4				10	33		1			34
28	5					6	6					6
27	3	1				4	1					1
26	3	2				5	3	2				5
25	4					4	3	2				5
24	6					6	3	1				4
23	2					2	1					1
22	2					2		1				1
21	2		1	1		4	1	1		1		3
20	5			8		16				1	1	2
19	1			6		7	1		2			3
18	6		2			8			2			2
17	1		1			2					1	1
16	2		2	1		3						
15	1		1	1		2			1	1		2
14	5		5			6	1		3	1		5
12	1		10	1		11			4			4
11	1		1	21		22			1	21		22
10				54		54				3		3
9			2	45	1	48			10	4	1	15
8	1		115	26		142			115	6		121
7	1		1	6		7			1			1
6 AND LESS	2		7	40	2	51	2		7	153		162
TOTAL	54	7	148	190	3	402	55	7	147	191	5	403
SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CALIF.				JPBOJND						DUANBOJND		
30	5	4				10	31		1			32
29							2					2
28	6					6	6					6
27	3	1				4	1					1
26	3	2				5	2	2				4
25	4					4	3	2				5
24	6					6	3	1				4
23	2					2	1					1
22	2					2		1				1
21	2		1	1		4	1	1	1	1		4
20	8			9		16				1	1	2
19	1			6		7	1		2			3
18	6		2			8			2			2
17	1		1			2						
16	1		2			3						
15				1		1						
14	1					1	1		1			2
12			9			9			4			4
11				7		7						
10				10		10						
9				1		1			4			4
8				8		8			8			8
6 AND LESS				5	1	6				35		35
TOTAL	52	7	23	39	1	122	52	7	23	37	1	120
SACRAMENTO, CALIF.				INSBOJND						OUTBOJND		
34							1					1
33	1					1	4					4
32	1					1	6		1			7
31	1	3				4	9					9
30	3	1				4	11					11
29							2					2
28	6					6	6					6
27	3	1				4	1					1
26	3	2				5	3	2				5
25	4					4	3	2				5
24	6					6	3	1				4
23	2					2	1					1
22	2					2		1				1
21	2		1	1		4	1	1		1		3
20	8			8		16				1	1	2
19	1			6		7	1		2			3
18	6		2			8			2			2
17	1		1			2					1	1
16			2			2						
15				1		1			2	1		3
14	1					1	1		1	1		3
12			10			10			4			4
9				1		1			6			6
8				1		1						
6 AND LESS			2	4	2	8			2	12		14
TOTAL	51	7	19	21	2	100	53	7	20	16	2	98
SAN JOAQUIN RIVER, CALIF.				JPBOJND						DOWNBOJND		
30	39	16				54	58	5				63
29	6	3				9	6					6
28	4	2				6	3	3				6
27	3	1				4	3	2				5
26	7	3				10	4	3				7
25	5	1				6	5	6				11
24	3				11	14	3	2			2	7

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY				DIRECTION			DIRECTION					
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
SAN JOAQUIN RIVER, CALIF.--(CONTINUED)						UPBOUND	DOWNBOUND					
23	5	1				6	1	5			6	
22	4	2			3	9	5	3			8	
21	5	3				8	9	3	1		13	
20	9	1				10	2	1			9	
19	5		1	1		6	2				2	
18	2	1			3	6	1			1	4	
17	1		5	1	1	8	1	2	8		7	
16	2		1		7	10		1			1	
15	2		10		3	15			28	47	2	
14	1				5	6				1	1	
13			1	40	1	42			5		1	
12 AND LESS	2		431	348	37	818	2		413	342	58	
TOTAL	105	34	449	590	71	1,049	105	35	450	390	71	
STOCKTON, CALIF.						INBOUND	OUTBOUND					
30	5	14				22	24				24	
29	2	2				4	4				4	
28	1	1				2	1	1			2	
27	2					2	1	1			2	
26	2	1				3	2	2			4	
25	3					3	2	5			7	
24	2					2	2				2	
23	4					4	1	3			4	
22	3					3	3	1			4	
21	3	1				4	3	2			5	
20	5					6		1			1	
19	3					3	1	1			2	
18 AND LESS	7		24	11	29	71	2	2	24	11	29	
TOTAL	46	19	24	11	29	129	46	19	24	11	29	
MIDDLE RIVER, CALIF.						UPBOUND	DOWNBOUND					
TOTAL, 11 AND LESS	1		12	15		28			11	15	26	
YOKELEHNE RIVER, CALIF.						UPBOUND	DOWNBOUND					
TOTAL, 8 AND LESS			4	4		8			4	4	8	
OLD RIVER, CALIF.						UPBOUND	DOWNBOUND					
TOTAL, 10 AND LESS			27	39		66			27	40	67	

* EXCLUDES DOMESTIC FISHING CRAFT.

SAN FRANCISCO, CA, DISTRICT

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TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
SAN FRANCISCO BAY ENTRANCE, CALIF.												
52 -		1		UPBOUND		1		1		DOWNBOUND		1
51 -		5				5						1
50 -		26				26	1	1				1
48 -		1				1						
47 -		5				5						
46 -		2				2			1			1
45 -		4				4			2			2
44 -		32				32			2			2
43 -		26				26			5			5
42 -		13				13	2	5				7
41 -		36				36		9				9
40 -		22				22	14	16				30
39 -	2	6				8	9	16				25
38 -	6	92				98	20	92				112
37 -	27	17				44	22	20				42
36 -	38	46				84	33	27				60
35 -	64	22				90	62	22				84
34 -	78	28				106	111	29				140
33 -	176	29				205	152	42				194
32 -	204	47				251	203	53	1			257
31 -	181	42				223	189	55				244
30 -	210	46				256	205	79				284
29 -	179	39				218	187	40			4	231
28 -	202	45				247	177	47				224
27 -	235	58				293	183	39				222
26 -	239	62				301	244	90				334
25 -	207	56				263	165	59				224
24 -	159	37	1		9	206	140	55			8	204
23 -	119	21				140	138	32	1			171
22 -	91	28	2			121	117	34				152
21 -	77	21	6	1		105	88	22	3	2		115
20 -	77	23	35	9	3	147	80	29	36	7	11	163
19 -	57	12		8	1	78	61	12	2			75
18 AND LESS -	120	96	345	175	96	832	147	108	348	183	88	874
TOTAL -	2,752	1,046	389	193	109	4,489	2,750	1,043	392	193	111	4,489
SAN FRANCISCO HARBOR, CALIF.												
47 -		1		INBOUND		1				OUTBOUND		1
46 -								1				1
41 -								1				1
40 -								1				1
39 -								1				1
38 -								1				1
37 -	4					4	3	1				4
36 -	5	2				7	5					5
35 -	9	1				10	10	1				11
34 -	8	1				9	12					12
33 -	13	1				14	18					18
32 -	20	2				22	15	4				19
31 -	21	1				22	24					24
30 -	50	3				53	42	2				44
29 -	51					51	52	1				53
28 -	50	4				54	47	5				52
27 -	50	3				57	46	2				48
26 -	56	5				61	58	1				59
25 -	44	3				47	41	2				43
24 -	38	3				41	33	5				38
23 -	25	3				28	27	3				30
22 AND LESS -	15,504	8	2,092	384	62	18,050	15,514	9	2,092	384	61	18,060
TOTAL -	15,952	41	2,092	384	62	18,531	15,949	40	2,092	384	61	18,526
REDWOOD CITY HARBOR, CALIF.												
30 -				INBOUND			1			OUTBOUND		1
29 -	1					1						1
28 -							1					1
27 -	1					1						1
22 AND LESS -	9		157	139	19	325	7		160	139	19	325
TOTAL -	10		157	139	19	325	9		160	139	19	327
OAKLAND HARBOR, CALIF.												
35 -	112			INBOUND		112	125			OUTBOUND		125
34 -	67					67	86					86
33 -	149					149	123					123
32 -	150					150	171					171
31 -	145					145	139	1				140
30 -	135					135	130					130
29 -	109					108	105					105
28 -	105					105	97					97
27 -	128					128	103					103
26 -	110					110	113					113
25 -	85					85	71					71
24 -	61					61	46					47
23 -	53					53	54		1			54
22 AND LESS -	133		3,745	348	313	4,539	177	1	3,747	349	312	4,586
TOTAL -	1,541		3,745	348	313	5,947	1,540	2	3,748	349	312	5,951

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY				DIRECTION			DIRECTION						
DRAFT (FEET)	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		
RICHMOND HARBOR, CALIF.													
30	23	282		INBOUND		305	21	217		OUTBOUND		238	
29	7	18				25	6	15				21	
28	14	11				25	5	17				22	
27	19	16				35	10	9				19	
26	43	22				62	35	29				64	
25	30	22				52	23	20				43	
24	30	11	1	1	1	44	21	23				44	
23	21	7		1	1	30	28	12	1			41	
22 AND LESS	45	528	1,807	505	532	3,417	81	577	1,808	507	535	3,508	
TOTAL	229	917	1,808	507	534	3,995	230	919	1,809	507	535	4,000	
SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.													
45		1		JPBOUND		1		4		JOUNBOUND		4	
44		3				3		2				2	
43		1				1		3				3	
42	1	3				4	1	1				2	
41		1				1		2				2	
40	1	1				2	1	4				5	
39		2				2		9				9	
38		17				17		25				28	
37		14				14	1	14				15	
36	3	42				45	3	23				26	
35	4	17				21	3	14				17	
34	4	42				46	17	26				43	
33	7	33				42	17	33				50	
32	29	71				97	22	39	1			62	
31	5	60				65	23	40				63	
30	25	42				67	19	58				77	
29	11	33				44	20	37			5	62	
28	32	41				73	27	37				64	
27	32	52				84	26	34				60	
26	39	40				78	40	63				103	
25	47	41				88	30	52				82	
24	34	28		1	13	76	32	34			12	78	
23	20	16				36	26	17				43	
22 AND LESS	80	190	2,236	893	683	4,082	65	216	2,235	894	680	4,090	
TOTAL	372	791	2,236	894	696	4,989	373	790	2,236	894	697	4,990	
CARQUINEZ STRAIT, CALIF.													
33	20	156		JPBOUND		176	45	127		JOUNBOUND		172	
32	25	59				84	22	32	1			55	
31	5	51				56	23	35				58	
30	24	33				57	19	55				74	
29	11	29				41	20	26			4	50	
28	32	27			1	59	27	29				56	
27	31	38				69	26	20				46	
26	39	21				59	40	50				90	
25	47	20				67	29	39				68	
24	34	11		1	9	55	32	27			9	68	
23	20	9				29	26	15				41	
22 AND LESS	84	160	1,798	554	666	3,262	61	160	1,797	555	663	3,236	
TOTAL	371	614	1,798	555	676	4,014	370	615	1,798	555	676	4,014	
SUISUN BAY CHANNEL, CAL.													
36	1	21		JPBOUND		22	4	12		JOUNBOUND		16	
35	1	2				3	2					2	
34	1	1				2	8	2				10	
33	5	2				7	15	3				19	
32	21	17				38	20	13	1			34	
31	3	8				11	20	27				47	
30	13	7				20	17	25				42	
29	3	7				10	11	10				21	
28	10	9				19	9	10				19	
27	6	13				19	5	5				10	
26	10	6				16	7	11				18	
25	9	6				18	9	16				24	
24	7	5		1	12	27	7	8		1	4	20	
23	7	4				11	2	8				10	
22	6	4			3	14	5	7			1	13	
21	7	7	2	1		19	9	4	2	1		16	
20	20	7	3	9	6	45	2	5	5	1	8	20	
19	7	2	1	5	5	21	3	4	2	1	2	12	
18 AND LESS	16	48	630	455	96	1,247	5	9	628	467	109	1,218	
TOTAL	159	179	636	471	124	1,569	159	178	638	471	124	1,570	
PETALUMA RIVER, CALIF.													
10			288	JPBOUND		288			288	JOUNBOUND		288	
7			3			3			3			4	
4										1		1	
3				78		78							
TOTAL			291	289		580			292	289		581	

* EXCLUDES DOMESTIC FISHING CRAFT.

TANKERS WITH EXTREME DRAFTS WERE LIGHTERED FROM ANCHURAGES IN SAN FRANCISCO BAY DEEP WATER AREA.

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HARBOR OR WATERWAY	DIRECTION					TOTAL	DIRECTION					TOTAL
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
MUMBOLDT HARBOR AND BAY, CALIF.				INBOUND					OUTBOUND			
36 -						1						
35 -	1					4						
34 -						1						
33 -	2					7						
32 -	2					1						
31 -	4					15						
30 -	2					8						
29 -	2	1				8						
28 -	4	3				7		1				
27 -	12	4				5	2					
26 -	9	1				9	12	6				
25 -	7	3				10	10	2				
24 -	10	4				14	7	4				
23 -	16					16	2	1				
22 -	7	1				8	3					
21 -	4		1			5	1		1			
20 -	9		4			12	1	1	4			
19 -	2					2	1					
18 AND LESS -	11		1,504	100	47	1,662	4		1,504	100	46	
TOTAL -	102	17	1,509	100	47	1,775	99	17	1,509	100	46	
BERKELEY, CALIF.				INBOUND					OUTBOUND			
TOTAL, 7 AND LESS -	841					841	841				841	
BODEGA BAY, CALIF.				NO VESSEL TRIPS REPORTED								
CRESCENT CITY HARBOR, CALIF.				INBOUND					OUTBOUND			
TOTAL, 9 AND LESS -			3			3		3			3	
HALF MOON BAY, CALIF.				NO VESSEL TRIPS REPORTED								
MONTEREY HARBOR, CALIF.				INBOUND					OUTBOUND			
TOTAL, 7 AND LESS -			5			5		5			5	
MOSS LANDING HARBOR, CALIF.*				INBOUND					OUTBOUND			
TOTAL, 11 AND LESS -	3		3			6	5	3			8	
NAPA RIVER, CALIF.				INBOUND					OUTBOUND			
TOTAL, 11 AND LESS -			49	13		62		47	14		61	
NOYO RIVER, CALIF.				INBOUND					OUTBOUND			
TOTAL, 11 AND LESS -			4			4		4			4	
SAN RAFAEL CREEK, CALIF.				NO VESSEL TRIPS REPORTED								
SANTA CRUZ HARBOR, CALIF.				INBOUND					OUTBOUND			
TOTAL, 29 AND LESS -		1	3			4	1	3			4	
SUISUN CHANNEL, CALIF.				INBOUND					OUTBOUND			
TOTAL, 7 AND LESS -			4	2		6		4	2		6	
OTHER SAN FRANCISCO BAY AREA PORTS, CALIF.				INBOUND					OUTBOUND			
TOTAL, 45 AND LESS -	9,170	726	2,378	1,733	412	14,419	9,170	726	2,378	1,733	412	
* EXCLUDES DOMESTIC FISHING CRAFT. * DEEP DRAFT VESSELS DISCHARGE PETROLEUM PRODUCTS AT AN OCEAN PIPE LINE ADJACENT TO THE HARBOR.												

* DEEP DRAFT VESSELS DISCHARGE PETROLEUM PRODUCTS AT AN OCEAN PIPE LINE ADJACENT TO THE HARBOR.

PACIFIC OCEAN DIVISION

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
HILO HARBOR, HAWAII, HAWAII												
32	1			INBOUND		1				OUTBOUND		
31	1					1						
30	1					1	1	1				2
29							2					2
27							1					1
26		1				1		1				1
25	1	1				2	1					1
24	2			1		3	3					3
23	2					2	5					5
22	3	1	1	38		43	3			42		45
21	1		2	1		4			2	1		3
20			1			1			1			1
19				2		2						
18 AND LESS	31		353	343	127	854	30		356	343	125	854
TOTAL	43	3	357	385	127	915	46	2	359	386	125	918
KANAIHAE HARBOR, HAWAII, HAWAII												
36	1			INBOUND		1	1			OUTBOUND		1
35	3					3	5					5
34	2					2	4					4
33	2					2	3	2				5
32	1					1	1					1
30	2	1				3	1					1
29	1					1	1					1
28	1					1	1					1
27	4					4	1					1
26		2				2		2				2
25	1					1						
23	1					1	1					1
20				1		1						
19							1					1
18 AND LESS	3		205	303	22	533	2		205	304	22	533
TOTAL	22	3	205	304	22	556	22	4	205	304	22	557
KAHULUI HARBOR, MAUI, HAWAII												
32	4			INBOUND		4	2			OUTBOUND		2
31	3					3	3					3
30	2					2	2					2
29	1					1	2	1				3
28	4					4	3					3
27	3					3	4					4
26	2					2	2					2
25	3	1				4	3					3
24	4					4	5	1				6
23	0						2	1		5		3
22				9		9						5
21		1				1		1				1
19		1				1						
18 AND LESS	3		555	645	147	1,350	1		555	649	147	1,352
TOTAL	29	3	555	654	147	1,388	29	4	555	654	147	1,389
BARBERS POINT HARBOR, OAHU, HAWAII												
47		24		INBOUND		24		1		OUTBOUND		1
46		1				1						
45		3				3						
44		9				9		2				2
43	1	9				10		1				1
42		5				5	1	1				2
41		5				5		2				2
40		3				3		2				2
39		1				1		2				2
38		14				14		11				11
37		2				2		6				6
36		1				1		5				5
35		2				2		3				3
34		2				2		6				6
33		3				3		3				3
32		3				3		3				3
31								14				14
30		1				1		3				3
29		1				1		7				7
28		2				2		8				8
27		1				1		4				4
26		3				3		5				5
25		2				2		3				3
24		3				3						
23		1				1						
21								1				1
20		3				3		2				2
19								2				2
18					1	1		1			1	2
17					9	9					5	5
16		1				1		6				6
15			43			43			51			51
14		1	27			28		4	25			29
13				1	1	2		2	2	1	1	4
12 AND LESS	2	1	167	11	69	250	2	2	159	10	73	246
TOTAL	3	107	237	12	79	438	3	110	237	11	80	441

* EXCLUDES DOMESTIC FISHING CRAFT.

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HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
HONOLULU HARBOR, OAHU, HAWAII					INBOUND						OUTBOUND	
37 -	0	9				15	3	8				11
36 -	9	4				12	3					3
35 -	20	2				22	4					4
34 -	48	5				49	12	1				13
33 -	47	7				54	9	5				14
32 -	24	2				26	10	1				11
31 -	31	3				34	13	6				19
30 -	30	1				31	24	1				25
29 -	19	2				21	30	2				32
28 -	133	3				136	133	4				137
27 -	25	3				29	55	6				61
26 -	23					24	61	5				66
25 -	41			1		42	45	5				50
24 -	15	2		4		21	29	6				35
23 -	17	2		4		23	29	2		1		32
22 -	11	3	2	47		63	12	2	4	49		66
21 -	12	3	1			16	9	1		1		16
20 -	14	2	6	1	5	28	19	5	5	7	12	47
19 -	10	3	1		1	15	16	3	1	4	1	25
18 AND LESS -	423	14	2,075	2,118	609	5,239	439	3	2,073	2,113	600	5,226
TOTAL -	953	70	2,085	2,175	615	5,898	954	70	2,084	2,174	615	5,895
NAHILIMILI HARBOR, KAUAI, HAWAII					INBOUND						OUTBOUND	
35 -	1					1	1					1
34 -	1					1	1					1
33 -	2					2	1					1
32 -	1					1	1					1
30 -							1					1
24 -							1					1
23 -	2			1		3	1					2
22 -			3			3			2			1
21 -			1	1		2			1			1
20 -	2			2		4			3	2		5
18 AND LESS -	2		270	383	51	706	4		266	365	52	707
TOTAL -	11		274	387	51	723	11		272	367	52	722
HANA HARBOR, MAUI, HAWAII					NO VESSEL TRIPS REPORTED							
KAILUA HARBOR, OAHU, HAWAII					INBOUND						OUTBOUND	
TOTAL, 15 AND LESS -			1	1		2			1	1		2
KALAUPAPA HARBOR, MOLOKAI, HAWAII					INBOUND						OUTBOUND	
TOTAL, 14 AND LESS -			2	5		7			2	5		7
KAUNAKAKAI HARBOR, MOLOKAI, HAWAII		</										

Waterborne Commerce of the United States. 1987

WALLA WALLA, WA, DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY			DIRECTION			DIRECTION						
DRAFT (FEET)	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
COLUMBIA RIVER AND TRIBUTARIES ABOVE MCVARY LOCK AND DAM TO KENNEWICK, WASH.												
14				UPBOUND	4	116	120				DOWNBOUND	
13											85	160
12											124	124
12 AND LESS	8		1,108	1,133	671	2,920	8		1,104	953	627	2,692
TOTAL	8		1,108	1,137	787	3,040	8		1,104	1,162	787	3,061
SNAKE RIVER, OREG., WASH., AND IDAHO												
14				UPBOUND	4	10	14				DOWNBOUND	
13											61	108
12											122	122
11			502	90	71	663			456	450	544	1,250
10			201	50	2	253			240	33	29	302
9			144	3	1	148			139	90		229
8			24	65	104	217			29	26	13	68
7			79	82	33	194			75	52	4	131
6			11		5	16			18		1	19
5				11	1	12				3	1	4
4			12			12			16			16
3	4		1			5	4		3			7
2			3	112		115				7		7
TOTAL	68		4	451	321	844	68		2	45	56	171
TOTAL	72		981	389	552	2,493	72		978	869	556	2,493

PORTLAND, OR, DISTRICT

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TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF-PROPELLED VESSELS			NON SELF-PROPELLED VESSELS		TOTAL	SELF-PROPELLED VESSELS			TOTAL
	PASSENGER AND TUGS	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND TUGS	TANKER	TUGBOAT OR TUGBOAT	
COLUMBIA RIVER ENTRANCE, OREG. AND WASH.				JP80JVD						JP80JVD
41 -							2	1		3
40 -							16	1		17
39 -		1				1	31	4		35
38 -	4	27				31	72	17		89
37 -	9	1				10	49			59
36 -	13	2				15	120	2		122
35 -	16	1				17	120	1		121
34 -	28	8				36	148	4		152
33 -	37	7				44	122	4		126
32 -	52	6				58	241	9		250
31 -	51	19				70	79	2		81
30 -	55	16				71	61	3		74
29 -	82	12				94	42	8		102
28 -	81	15				96	68	7		103
27 -	97	10				107	77	9		116
26 -	100	19				119	68	15		134
25 -	121	17				138	76	24		162
24 -	120	11			3	134	84	19		153
23 -	142	14				158	70	19		227
22 -	156	4		1		161	52	13		174
21 -	156	5	1			162	55	5		167
20 -	171	3	5	39	1	221	66	5	3	229
19 -	142	4	2	3		151	19		2	162
18 AND LESS -	16,509	5	243	104	104	16,965	16,405	32	276	16,713
TOTAL -	18,144	207	251	147	114	19,863	19,143	203	286	19,429
COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY				JP80JVD						JP80JVD
34 -	4	28				32	121	23		144
33 -	7	1				8	49			57
32 -	13	2				15	120	2		122
31 -	16	1				17	120	1		121
30 -	28	6				34	148	4		152
29 -	37	7				44	123	5		128
28 -	52	6				58	246	9		255
27 -	51	19				70	84	3		83
26 -	55	16				71	65	3		74
25 -	82	13		1		96	44	8		104
24 -	81	15				96	72	8		104
23 -	97	11				108	80	8		116
22 -	90	20				110	78	15		125
21 -	101	17				118	96	24		142
20 -	110	11			3	124	95	19		143
19 -	110	14				124	100	14		138
18 -	105	3		1		110	102	13		123
17 -	105	5	1	30		142	105	5		147
16 -	121	3	7	39	3	173	114	5	10	188
15 -	92	4	2	3		101	69		2	103
14 -	81	2	22		41	146	43	5	31	180
13 -	52	1	8	2	17	73	5	2	12	87
12 -	18	1	26	6	5	56	7	11	19	73
11 -	13		674	6	5	698	3		364	1,065
10 -	4		25	15	145	192	2	1	24	219
9 -	3	1	152	28	15	179	2		114	293
8 -	3		839	220	244	1,310	1	2	753	1,313
7 -			1,359	12	35	1,406			1,304	1,306
6 -			1,497	427	25	1,953		1	1,136	1,954
5 -			1,751	422	271	2,444		7	1,407	2,451
4 -			2,215	372	60	2,647		2	2,581	2,649
3 -	22,362		3,016	711	17	3,774	1		2,442	3,775
2 -			1,733	415	24	16,824	14,364		2,460	16,824
1 -	372		1,100	115	15	1,605	572		1,199	1,605
AND LESS -	4,050		143	191	43	4,427	4,446		139	4,585
	875		83	477	100	1,596	875		82	1,596
				1,286	429	1,715	22,362		82	23,149
				85		215	130			345
						14			12	26
TOTAL -	43,681	210	14,647	4,867	1,580	64,985	43,647	204	14,601	64,904
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.				JP80JVD						JP80JVD
40 -							19	1		20
39 -		1				1	31	4		35
38 -	4	27				31	72	17		89
37 -	9	1				10	49			59
36 -	13	2				15	120	2		122
35 -	16	1				17	120	1		121
34 -	28	8				36	148	4		152
33 -	37	7				44	123	5		128
32 -	52	6				58	246	9		255
31 -	51	19				70	84	3		83
30 -	55	16				71	65	3		74
29 -	82	13		1		96	44	8		104
28 -	81	15				96	72	8		104
27 -	97	11				108	80	8		116
26 -	90	20				110	78	15		125
25 -	101	17				118	96	24		142
24 -	110	11			3	124	95	19		143
23 -	110	14				124	100	14		138
22 -	105	3		1		110	102	13		123
21 -	105	5	1	30		142	105	5		147
20 -	121	3	7	39	3	173	114	5	10	188
19 -	92	4	2	3		101	69		2	103
18 -	81	2	22		41	146	43	5	31	180
17 -	52	1	8	2	17	73	5	2	12	87
16 -	18	1	26	6	5	56	7	11	19	73
15 -	13		674	6	5	698	3		364	1,065
14 -	4		25	15	145	192	2	1	24	219
13 -	3	1	152	28	15	179	2		114	293
12 -	3		839	220	244	1,310	1	2	753	1,313
11 -			1,359	12	35	1,406			1,304	1,306
10 -			1,497	427	25	1,953		1	1,136	1,954
9 -			1,751	422	271	2,444		7	1,407	2,451
8 -			2,215	372	60	2,647		2	2,581	2,649
7 -	22,362		3,016	711	17	3,774	1		2,442	3,775
6 -	14,652		1,733	415	24	16,824	14,364		2,460	16,824
5 -	372		1,100	115	15	1,605	572		1,199	1,605
4 -	4,050		143	191	43	4,427	4,446		139	4,585
3 -	875		83	477	100	1,596	875		82	1,596
2 -				1,286	429	1,715	22,362		82	23,149
1 -				85		215	130			345
AND LESS -						14			12	26
TOTAL -	43,681	210	14,647	4,867	1,580	64,985	43,647	204	14,601	64,904

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.--(CONTINUED)												
23 - - - - -	144	15				159	70	16				90
22 - - - - -	150	5				156	58	13				71
21 - - - - -	156	6	1			163	55	5		3		63
20 - - - - -	131	3	7	30		163	106	4	6	1	7	131
19 - - - - -	112	2	2	4	3	120	49		2			52
18 AND LESS- - - - -	28,531	6	18,477	5,981	1,736	54,731	28,250	32	18,443	6,043	1,730	54,496
TOTAL- - - - -	30,090	22	18,487	6,056	1,742	56,599	30,090	204	18,453	6,057	1,737	56,541
PORT OF ASTORIA, OREG.												
38 - - - - -												
36 - - - - -												
35 - - - - -	1					1	3					3
34 - - - - -	2					2	5					5
33 - - - - -	5					5	12					12
32 - - - - -	5					5	7					7
31 - - - - -	2					2	3					3
30 - - - - -	2					2	2					2
29 - - - - -	5	1				6	2			1		3
28 - - - - -	5					5	2					2
27 - - - - -	4	1				5	3	1				4
26 - - - - -	3					3	4					4
25 - - - - -	15					15	12					12
24 - - - - -	12					12	12					12
23 - - - - -	24					24	19			1		20
22 - - - - -	40					40	21	1				22
21 - - - - -	27		1	10		38	22			21		43
20 - - - - -	25		1			26	24		4			28
19 - - - - -	21		2			23	21		2			23
18 AND LESS- - - - -	29		746	121	120	1,016	47		744	115	98	1,004
TOTAL- - - - -	227	2	750	131	120	1,230	226	2	750	139	98	1,214
PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA												
TOTAL, 18 AND LESS - - - - -	65		3,207	1,090	37	4,399	68		3,202	1,095	34	4,402
PORT OF LONGVIEW, WASH.												
38 - - - - -	3	1				4	32	2				34
37 - - - - -	4					4	17					17
36 - - - - -	7					7	22					22
35 - - - - -	9					9	23					23
34 - - - - -	3					3	40					40
33 - - - - -	3					3	49					49
32 - - - - -	4					4	49					49
31 - - - - -	5					5	22					22
30 - - - - -	4					4	16					16
29 - - - - -	14					14	12					12
28 - - - - -	15	1				16	14					14
27 - - - - -	12					12	15					15
26 - - - - -	27					27	16	1				17
25 - - - - -	15					15	8					8
24 - - - - -	17					17	8					8
23 - - - - -	31					31	6					6
22 - - - - -	29					29	3					3
21 - - - - -	47					47	7					7
20 - - - - -	59					59	3			7		10
19 - - - - -	49					49	2					2
18 - - - - -	19		6		3	28	1			1		2
17 - - - - -	13					13						
16 - - - - -	3		13	1		17			8	1	1	10
15 - - - - -	2		108	1		111			108	1	2	111
14 - - - - -	1		4	26	2	33			2	1		3
13 - - - - -			35	105	12	152	1		35	13	2	51
12 AND LESS- - - - -	1,748		2,306	448	199	4,701	1,774		2,320	564	203	4,861
TOTAL- - - - -	2,142	2	2,472	581	216	5,413	2,142	3	2,473	581	215	5,414
PORT OF KALAMA, WASH.												
40 - - - - -												
39 - - - - -	5					5	10	1				11
38 - - - - -	15					15	17					17
37 - - - - -	4					4	5					5
36 - - - - -	5					5	8					8
35 - - - - -	5					5						
34 - - - - -	5	1				6	9					9
33 - - - - -	3					3	4	1				5
32 - - - - -	5					5	6					6
31 - - - - -	2	1				3	3	1				4
30 - - - - -	1	1				2						
29 - - - - -	1	2				3	2					2
28 - - - - -	1					1	2	1				3
27 - - - - -	1					1	1					1
26 - - - - -	2	3				5	1	2				3
25 - - - - -							2					2
24 - - - - -								3				3
23 - - - - -	4	1				5						

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
PORT OF KALAMA, WASH.--(CONTINUED)												
22 -	4			INBOUND		4		2		OUTBOUND		2
21 -	3					3						
20 -	5					5						
19 -	1					1						
18 AND LESS -	12		620	72	57	761	7		619	71	59	756
TOTAL -	82	12	620	72	57	843	86	11	619	71	59	846
MULTNOMAH CHANNEL, OREG.												
13 -				UPBOUND		5				DOWNBOUND		
12 -			2			2			4			4
11 -			2	1		3			10	1		11
10 -			14	7	9	30			14	199		213
9 -			16	169		185			16	173		189
8 -			258			258			258	13		271
7 -			56	1		57			56	11		67
6 -	232		150			382	231		149			380
5 -			455			455			450			450
4 -			13	2		15			8	2		10
3 -				237	2	239				15	16	31
2 -				167		167				170		170
TOTAL -	232		966	584	16	1,798	231		965	584	16	1,796
OREGON SLOUGH (NORTH PORTLAND HARBOR), OREG.												
20 -	295	1		UPBOUND		296	279	1		DOWNBOUND		280
19 -	3					3	5					5
18 -	2					2	7					7
17 -	1					1	1					1
15 -			170			170			176			176
14 -										4		4
13 -				1		1			2			2
12 -			20	57	1	78			40	53		93
11 -			60	2		62			62	1		63
10 -			62	154	14	230			56	4		64
9 -			298	87	33	418			282	29	1	312
8 -			360	148	18	526			352	153		505
7 -			52	1	6	59			52	5		57
6 -			13	3	5	21			18	5	1	24
5 -			62		8	70			55			55
4 -			1	1	2	4			3	1		4
3 -				33	8	41				16	21	37
2 -				46		46				254	67	321
TOTAL -	301	1	1,098	533	95	2,028	292	1	1,098	529	90	2,010
PORT OF VANCOUVER, WASH.												
35 -	10			INBOUND		10	10			OUTBOUND		10
34 -	4					4						
33 -	4					4	4					4
32 -	2					2	12					12
31 -	5	1				6	3	1				4
30 -	5					5	2					2
29 -	6					6	4					4
28 -	9	1				10	8	1				9
27 -	11	3				14	10	1				11
26 -	9	1				10	11					11
25 -	10					10	7					7
24 -	5					5	22					22
23 -	14					14	12					12
22 -	12					12	12	1				13
21 -	7					7	12					12
20 -	12		2		1	15	10					10
19 -	9					8	2					2
18 AND LESS -	3,092		2,683	489	328	6,592	3,081	1	2,688	474	330	6,570
TOTAL -	3,225	6	2,685	489	329	6,734	3,222	5	2,684	474	330	6,715
COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG.												
20 -				UPBOUND						DOWNBOUND		
17 -			2			2			2			2
16 -											1	1
15 -			4			4						4
14 -				5	114	119			3	100	203	306
13 -			6			6			4	284		288
12 -			212	160	131	503			230	581	414	1,225
11 -			432	1	9	442			445	48	34	527
10 -			182	4		186			182	170	1	353
9 -			453	341	167	961			395	78	3	476
8 -	4,581		385	455	37	5,458			500	340	4	844
7 -			1,506	102	5	1,613	1		1,272	435	1	1,709
6 AND LESS -	744		746	1,638	277	3,405	5,325		588	678	79	6,970
TOTAL -	5,325		3,928	2,706	740	12,699	5,326		3,927	2,714	740	12,707

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
DRAFT (FEET)										
COLUMBIA RIVER ABOVE THE DALLES DAM, WASH. AND OREG. TO McNARY LOCK AND DAM, OREG. AND WASH.				JPBOUND					DOWNBOUND	
14				4	114				78	200
13									221	
12			249	127	130			233	643	405
11			223	1	9			250	37	34
10			95	3				99	112	1
9			48	110	166			48	34	2
8			164	210	35			165	161	2
7			40		4			24	2	1
6			5	24	4			5	10	1
5			26					26		
4	8					8		2		
3				171	1				5	31
2				681	273				35	59
1			8					6		
TOTAL-	8		858	1,331	736	2,933	8	858	1,338	736
PORT OF PORTLAND, OREG.				INBOUND					OUTBOUND	
39						15				17
38	6	24				12	20			32
37	7	1				8				17
36		2				65	2			67
35	6	1				70	1			71
34	19	8				73	4			77
33	26	7				51	5			56
32	41	12				123	11			134
31	42	15				57	5			56
30	43	16				44	4			48
29	73	13		1		87	21	6		27
28	65	13				46	9			55
27	67	7				74	53	7		60
26	61	24				85	36	17		53
25	69	10				79	58	20		78
24	122	10			3	51	15			66
23	54	13				48	14		3	65
22	54	3		1		33	11			44
21	52	6		30		34	5		2	41
20	70	2	3	39	2	42	5	3	6	56
19	47	2		4		53	10		1	11
18 AND LESS	838	5	12,944	4,170	1,463	809	31	12,946	4,231	1,465
TOTAL-	1,762	194	12,947	4,245	1,468	20,616	1,762	194	12,949	4,243
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.				UPBOUND					DOWNBOUND	
8	212		1,576	533	3	2,325	217	1,569	2,199	44
7			373	145		518		374	102	
6	183		408	104	1	696	178	408	242	
5			593	46		639		608	38	
4			642	19		661		654	143	
3				121	37	158			157	4
2			17	2,134	5	2,156			291	1
1				70		70				
TOTAL-	395		3,609	3,173	46	7,223	395	3,513	3,172	49
COOS BAY, OREG.				INBOUND					OUTBOUND	
36						9				9
35						15				18
34	5					18				19
33	3	2				56				56
32	9					8				33
31	10					10				22
30	24	3				27				54
29	18	1				19				10
28	15	1				16	8	2		11
27	34	2				40	12	2		14
26	14	2				16	11	2		13
25	13					13	9	2		11
24	15	4				19	3	2		5
23	31					34	7			7
22	7					7	9			9
21	37					37	6			6
20	19			1		20	4			7
19	10					10			298	3
18	4					4				2
17	11			5	1	17	1		1	1
16			16	5	3	24		10	2	1
15	1		42	4		47		30	7	
14	2		31	4		37		31	2	
13	1		6	2		9	1	4	11	1
12 AND LESS	2		2,449	498	35	2,984	1	2,474	197	36
TOTAL-	291	15	2,544	518	40	3,408	289	15	2,551	42
COOS AND WILLICOMA RIVERS, OREG.				UPBOUND					DOWNBOUND	
5			576			576		612		612
4			289			289		252		252
TOTAL-			865			865		864		864

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
DRAFT (FEET)										
UMPUA RIVER, OREG.				JPBOJND					DU4NB0JND	
18					1					
16								2		2
15				1				2	4	6
14			2					3		3
12			3							
11				2					169	169
10			5	2				5	2	2
9			2	2					3	7
8				1					3	3
7									2	2
6 AND LESS			4					4		4
			240	183				243	9	1
TOTAL			256	191	1			259	191	1
YAGUINA BAY AND HARBOR, OREG.				JPBOJND					DU4NB0JND	
33						6				6
32						1				1
30						2				2
29	1									
28	2					1				1
27	1									
26	2									
25	3					1				1
24	1									
23	3									
22	1					1				1
20						1				1
16									1	1
15			3					3	3	6
14			3					1		1
13	2		2			2			421	423
12 AND LESS	1		430	441	2	1		443	15	1
TOTAL	17		438	441	2	16		447	440	1
ALSEA BAY AND RIVER, OREG.				NO VESSEL TRIPS REPORTED						
CHETCO RIVER, OREG.				JPBOJND					DU4NB0JND	
TOTAL, 12 AND LESS			4	3				4	2	6
CHINOOK CHANNEL, WASH.				JPBOJND					DU4NB0JND	
TOTAL, 8 AND LESS	4,620					4,620				4,620
CLATSkanie RIVER, OREG.				UPBOJND					DU4NB0JND	
TOTAL, 5 AND LESS			6	3				4	3	7
COLUMBIA RIVER AT MAKERS BAY, WASH.				UPBOJND					DU4NB0JND	
TOTAL, 12 AND LESS	6,820		3			6,823		3		6,823
COLUMBIA SLOUGH, OREG.				NO VESSEL TRIPS REPORTED						
COQUILLE RIVER, OREG.				NO VESSEL TRIPS REPORTED						
CONLITZ RIVER, WASH.				UPBOJND					DU4NB0JND	
TOTAL, 6 AND LESS	267		1	2		270		1	2	270
DEEP RIVER, WASH.				UPBOJND					DU4NB0JND	
TOTAL, 7 AND LESS			69	4		73		74	4	78
DEPOE BAY, OREG.				NO VESSEL TRIPS REPORTED						
ELOKWIN SLOUGH, WASH.				NO VESSEL TRIPS REPORTED						
GRAYS RIVER, WASH.				NO VESSEL TRIPS REPORTED						
LAKE RIVER, WASH.				UPBOJND					DU4NB0JND	
TOTAL, 5 AND LESS			14	14				14	14	28
LEWIS RIVER, WASH.				JPBOJND					DU4NB0JND	
TOTAL, 7 AND LESS	2		111	82		195		111	82	197
PORT OF ST. HELENS, OREG.				INBOJND					OUTBOJND	
TOTAL, 12 AND LESS			83	81		164		87	81	166
PORT OXFORD, OREG.				NO VESSEL TRIPS REPORTED						

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

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SEATTLE, WA, DISTRICT

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TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
GRAYS HARBOR AND CHEMALIS RIVER, WASH.												
35 -							111					111
34 -							38					38
33 -							4					4
32 -							6					6
31 -							5					5
30 -							6					6
29 -							12					12
28 -							5					5
27 -							5					5
26 -							3					3
25 -							3					3
24 -							2					2
23 -					1	11	3					14
22 -						31	5					36
21 -						37	1					38
20 -						51						51
19 -						28						28
18 -						5						5
17 -					1	7			3			10
16 -						11			4			15
15 -						4			6			10
14 -						6			12			18
13 -						3			6			9
12 AND LESS -	10,331		400	407	11	11,149	10,331		366	403	11	11,111
TOTAL -	10,540		416	409	13	11,378	10,541		402	410	15	11,368
PORT ANGELES HARBOR, WASH.												
30 -							70		7			77
29 -							3					3
28 -							6		2			8
27 -							6		1			7
26 -							9		2			11
25 -							5					5
24 -							2					2
23 -							1					1
22 -							15		1			16
21 -							14					14
20 -							8		2			10
19 -							7		3			10
18 AND LESS -	8,663		3,047	355	270	12,339	8,633		3,049	360	269	12,314
TOTAL -	8,760		3,050	362	270	12,468	8,758		3,050	363	269	12,461
PORT TOWNSEND HARBOR, WASH.												
TOTAL, 22 AND LESS -	8,649		1	660		9,757	8,649		1	660		9,765
PORT GAMBLE HARBOR, WASH.												
18 -												
16 -									2			2
15 -									8			8
14 -									1			1
13 -									52			52
12 AND LESS -									94			94
TOTAL -									377			377
MANHESLEY INLET, WASH.												
11 -									5			5
10 -									1			1
9 -									43			43
8 -									219			219
7 -									6			6
6 AND LESS -	4,163					4,163	4,163		3			4,166
TOTAL -	4,163					4,608	4,163		277			4,607
OLYMPIA HARBOR, WASH.												
30 -							27					27
29 -							4					4
28 -							1					1
27 -							3					3
26 -							2					2
25 -							1					1
24 -							1					1
23 -							4					4
22 -							1					1
21 -							1					1
20 -							16					16
19 -							4					4
18 AND LESS -	3,176					3,730	3,169		480			3,720
TOTAL -	3,210					3,764	3,212		480			3,763
TACOMA HARBOR, WASH.												
33 -							140		10			150
32 -							44		3			47
31 -							59		10			69
30 -							64		17			76

* EXCLUDES DOMESTIC FISHING CRAFT.

Waterborne Commerce of the United States, 1987

TRIPS AND DRAFTS OF VESSELS*

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	DRAFT (FEET)	SELF PROPELLED VESSELS			TOTAL	SELF PROPELLED VESSELS			TOTAL	
		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT		
TACOMA HARBOR, WASH.--(CONTINUED)				INBOUND				OUTBOUND		
29	43	6			49	48	6		54	
28	65	11			76	150	3		153	
27	145	9			154	29	6		35	
26	91	12			103	65	11		76	
25	50	8		1	59	44	4		48	
24	57	7			64	55	9		67	
23	110	5			115	90	6		96	
22	20	2		2	24	30	4		35	
21	32	4	1	5	42	26	5	2	35	
20	79	6	1	3	88	51	3	3	62	
19	49	1	1	2	54	26	1		27	
18	11,584	6	6	7	11,622	11,562	6	2	11,581	
17	11	5	5,364	4	5,384	7	20	5,327	5,354	
16	20	1	134	7	162	18	3	134	159	
15	5	1	351	31	445	4		349	415	
14	1	1	276	10	337	1		295	411	
13	1	1	826	74	920			849	871	
12 AND LESS	4,740	3	5,199	1,278	12,070	4,736	12	5,197	12,142	
TOTAL	17,249	135	12,159	1,424	31,959	17,249	134	12,159	31,963	
SEATTLE HARBOR, WASH.				INBOUND				OUTBOUND		
35	29	23			52	53	12		65	
34	13	3			16	24	2		26	
33	69	5			74	90			90	
32	39	5			44	35			35	
31	59	3			62	38			38	
30	109	4			113	178	3		181	
29	81	4			85	59	5		64	
28	63	4		1	68	36	3	1	40	
27	75	7			82	48	4		52	
26	125	12			137	120	9		129	
25	60	3		5	68	64	5		69	
24	72	9			83	52	8		60	
23	123	3	1		127	122	4	1	127	
22	24	2	1		27	25	1		26	
21	27			5	33	20	1		30	
20	50	4	26	1	84	44	2	24	73	
19	9	1	9	12	31	11	6	1	19	
18 AND LESS	84,929	7	13,783	3,119	103,519	84,818	26	13,761	103,520	
TOTAL	85,956	99	13,819	3,144	104,705	85,837	65	13,792	104,644	
LAKE WASHINGTON SHIP CANAL, WASH.				INBOUND				OUTBOUND		
24	1				1				1	
23						1				
22 AND LESS	559	1	1,761	890	3,274	581	1	1,778	3,326	
TOTAL	560	1	1,761	890	3,275	582	1	1,778	3,327	
EVERETT HARBOR AND SNOHOMISH RIVER, WASH.				INBOUND				OUTBOUND		
34	7				7	8			8	
33	3				3	27			27	
32						9			9	
31						6			6	
30	3				3	34	1		35	
29	5				5	9			9	
28	3				3	6			6	
27	2				2	7			7	
26	3				3	11			11	
25	3				3	4			4	
24	1	1			2	2	1		3	
23	5				5	6			6	
22	7				7	1			1	
21	10				10	3		1	4	
20	18				18	3			3	
19	19				19	2			2	
18 AND LESS	4,738		2,926	251	8,052	4,685		2,920	7,995	
TOTAL	4,827	1	2,926	251	8,142	4,823	2	2,921	8,136	
SNOHOMISH CHANNEL, WASH.				NORTHBOUND				SOUTHBOUND		
12			7		7		3		3	
11			43		43		40		40	
10			35		35		39	48	87	
9			142		142		81		81	
8	7,326		8		7,334		10		10	
7			33		33		33		33	
6 AND LESS			173	49	222	7,326	237	1	7,564	
TOTAL	7,326		441	49	7,816	7,326	443	49	7,816	
ANACORTES HARBOR, WASH.				INBOUND				OUTBOUND		
33	1	162			163	8	67		75	
32		9			9		13		13	
31		8			8		12		12	
30	1	9			10	4	22		26	
29		2			2	1	7		9	

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
ANACORTES HARBOR, WASH.--(CONTINUED)												
28 - - - - -		6				6	1	10				11
27 - - - - -	1	3				4	1	10				11
26 - - - - -	2	9				11	3	19				22
25 - - - - -		4				4		7				7
24 - - - - -		3				3	1	12			1	14
23 - - - - -	2					2		9				9
22 - - - - -		3				3		3				3
21 - - - - -					1	1						
20 - - - - -	2	1	2			5	1	6	6		1	14
19 - - - - -	1	1		1	1	4		4		1	1	6
18 AND LESS - - - - -	34,255	24	2,037	157	167	36,640	34,255	41	2,036	156	176	36,664
TOTAL - - - - -	34,265	244	2,039	158	169	36,875	34,275	242	2,042	157	179	36,895
BELLINGHAM BAY AND HARBOR, WASH.												
30 - - - - -	9	4				12	9	16				25
29 - - - - -	1					1	2	6				8
28 - - - - -	4	1				5						
27 - - - - -	3	2				5	3	1				4
26 - - - - -	8	1				9	11	2				13
25 - - - - -	3					3	7			5		12
24 - - - - -	2	2				4	4	1				5
23 - - - - -	10	5				15	4	3				7
22 - - - - -	1	2				3	8					9
21 - - - - -	4	2		1		7	2			2		4
20 - - - - -	5	1		3		9	7	4				11
19 - - - - -	2	2				4		2				2
18 AND LESS - - - - -	27,279	7	1,516	255	119	29,176	27,266	1	1,506	247	119	29,141
TOTAL - - - - -	27,330	29	1,516	259	119	29,253	27,325	36	1,506	254	119	29,240
BLAINE HARBOR, WASH.												
TOTAL, 9 AND LESS - - - - -	19,999		2			20,001	19,999		2			20,001
COLUMBIA RIVER BETWEEN HEYATCHEE AND KETTLE FALLS, WASH.												
TOTAL, 12 AND LESS - - - - -	13,405		16			13,422	13,406		12			13,418
FLATHEAD LAKE, MONT.												
				NO VESSEL TRIPS REPORTED								
HOQUIAM RIVER, WASH.												
TOTAL, 18 AND LESS - - - - -	570		251			825	570		260			834
KOOTENAI RIVER, IDAHO AND MONT.												
				NO VESSEL TRIPS REPORTED								
NEAH BAY, WASH.												
TOTAL, 16 AND LESS - - - - -	13,142		1			13,144	13,142		1			13,143
QUILLAYUTE RIVER, WASH.												
TOTAL, 8 AND LESS - - - - -	1,887					1,887	1,887					1,887
SKAGIT RIVER, WASH.												
TOTAL, 10 AND LESS - - - - -			23			123			21			121
STILLAGUAMISH RIVER, WASH.												
				NO VESSEL TRIPS REPORTED								
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WASH.												
TOTAL, 14 AND LESS - - - - -	7		67			114	8		70			118
WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WASH.												
TOTAL, 12 AND LESS - - - - -	4,442		1			4,444	4,442		1			4,443
COEUR D'ALENE LAKE AND ST. JOE RIVER, IDAHO												
TOTAL, 7 AND LESS - - - - -			477			477			476			476
OTHER PUGET SOUND AREA PORTS, WASH.												
TOTAL, 53 AND LESS - - - - -	194,349	224	4,445	2,842	318	202,178	194,348	235	4,450	2,864	321	202,218

* EXCLUDES DOMESTIC FISHING CRAFT.

ALASKA DISTRICT

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
DRAFT (FEET)	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
WETLAKATLA HARBOR, ALASKA												
21	4			INBOUND		4	4			OUTBOUND		4
20	1					1						
18	1		14			15			16			16
15				2		2	2			2		4
14			17			17			25			25
13			37	7		44			37	8		45
12	1		10	3	4	18	1		10	104		115
11				16	2	18				18	3	21
10			17	7		24			12	13	2	27
9			9	3	1	13			7	8	1	16
8	1		8	5		14			5	7		12
7										1		1
6				2	1	3				8		8
5										5		5
4					1	1				3		3
3			2	3		5				1		1
2				135		135				5		5
TOTAL	8		114	183	9	314	7		112	183	6	308
KETCHIKAN HARBOR, ALASKA												
15		10	123	42	2	578	420	9	98	44	3	574
14	17		111	10	1	139	16		123	8		147
13	6		73	39	7	125	6		89	28	5	128
12 AND LESS	12,456		475	454	114	13,499	12,426		475	467	116	13,484
TOTAL	12,880	10	782	545	124	14,341	12,868	9	785	547	124	14,333
ARANGELL HARBOR, ALASKA												
TOTAL, 12 AND LESS	49		790	331	29	1,199	51		790	337	29	1,207
ARANGELL NARROWS, ALASKA												
25		25		INBOUND		25				OUTBOUND		
18			2			2			2			2
17			9	3		12			4	3		7
16			4			4			1			1
15			35	36	3	74			11	10		21
14	2		69	8	12	111	1		112	6	3	122
13	14		31	8	32	85	14		26	8	5	53
12 AND LESS	37		470	278	115	898	36	25	486	306	159	1,012
TOTAL	53	25	640	333	160	1,211	51	25	642	333	167	1,218
SITKA HARBOR, ALASKA												
22	125			INBOUND		125	128			OUTBOUND		128
21							2					2
20	23			2		25	22					22
19	3					3	4					4
18	2					2						
17	6		11			17	3		5			8
16	2		1	1		4	2		4	1		7
15	18		16	32		66	18		18	32		68
14	3		86	6	12	107	4		60	6	2	72
13			13	1	12	26			20		4	24
12 AND LESS	240		324	198	64	626	240		345	202	86	673
TOTAL	422		451	240	88	1,201	423		452	241	92	1,208
SERGIUS AND WHITESTONE NARROWS, ALASKA												
17				NORTHBOUND					6	SOUTHBOUND		6
16			1			1						
15			18	9		27			16	5		21
14			47	4	2	53			72	3	12	87
13			5		4	9			5		12	17
12			91	19		110			95	18	10	123
11					1	1					11	11
10	1		48	4	5	58	3		42	121	5	171
9	1		74	1	4	80			70	31	7	108
8			60	1	6	67			34	1	4	39
7			1		21	22			13	1	2	16
6	1		5	2	7	15			5	3	1	9
5	3		1	1	5	10			3		2	5
4	35			3	9	47	16			9	3	28
3					4	4				1	1	2
2				146	21	167	17				18	35
TOTAL	41		351	190	89	671	36		361	193	88	678
SKAGWAY HARBOR, ALASKA												
34				INBOUND			1			OUTBOUND		1
33	1					1	1					1
31							1					1
30	1					1	1					1
29	11					11	12					12
28	20					20	19					19
27	22					22	23					23
26	24					24	24					24

* EXCLUDES DOMESTIC FISHING CRAFT.

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
SKAGWAY HARBOR, ALASKA--(CONTINUED)												
				INBOUND						OUTBOUND		
25	20	25				45	20					20
24	2					2	2					2
23	20					20	20					20
22	34					34	29					29
21	2					2	2					2
20	40					40	39					39
19	13					13	19					19
18	13					13	12					12
17	3		4	3		10	2			3		5
16									2			2
15	18		18			36	17		20			37
14	9		1	2		12	9		1	2		12
13					1	1	1				1	2
12 AND LESS	261		33	11	2	307	260	25	33	12	2	332
TOTAL	514	25	56	16	3	614	514	25	56	17	3	615
VALDEZ HARBOR, ALASKA												
				INBOUND						OUTBOUND		
76								1				1
74								2				2
73		1				1		3				3
72		3				3		17				17
71		13				13		15				15
70		10				10		19				19
68								16				16
67								10				10
66								9				9
65		11				11		14				14
64						2		18				18
63		1				1		9				9
61								5				5
60		18				18		43				43
59		24				24		45				45
58		14				14		26				26
57		11				11		60				60
56		1				1		9				9
55		12				12		15				15
54		10				10		15				15
53								23				23
52		10				10		43				43
51		11				11		38				38
50		1				1		1				1
49								3				3
48		1				1		13				13
47		1				1		16				16
46								5				5
45								18				18
44		4				4		87				87
43		2				2		61				61
42		5				5		46				46
41		11				11		58				58
40		20				20		44				44
39		18				18		20				20
38		32				32		50				50
37		21				21		16				16
36		26				26		43				43
35		25				25		6				6
34		26				26		13				13
33		35				35		29				29
32		54				54		8				8
31		30				30		2				2
30		39				39		2				2
29	18	29				47	18	4				22
28	2	39				41	1	7				8
27	5	32				40	8	6				14
26		98				98		8				8
25		47				47		1				1
24		37				37	1	1				2
23		9				9						
22		17				17						
21	1	9				10		2				2
20		4				4		2				2
19		2				2	1	2				3
18		28				28			2			2
17		44	1	2		47		9		2		11
16		31	4			35		4				4
15		7	2	10	1	20				9	1	10
14		28	8			36	1		2			3
13		2				2						
12 AND LESS	100	59	19	14	4	196	100	1	16	15	3	135
TOTAL	129	1,026	36	26	5	1,222	130	1,030	33	26	4	1,223
SEWARD HARBOR, ALASKA												
				INBOUND						OUTBOUND		
32							13					13
29						1	1					1
28						2	1					1
27		5				5	1					1
26		3				3	5					5
25		2				2						
24		4				4	2					2
22		2				2	1					1

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
SEWARD HARBOR, ALASKA--(CONTINUED)												
21	4			INBOUND			3			OUTBOUND		
20	7					7	7					7
19	8					8	5					5
18	7					7	5	1				6
17	4		4			8	4		6			10
16	6		2	1		9	5		4	1		10
15	5			20	1	26	6			14	2	22
14	4		10			14	6		16			22
13	3		8	2		13	5		2			7
12	5	1	8			14	2		6			8
11	1			5		6	1		1	6		8
10		1	7			8			7	1		8
9				2		2				1		1
8				1		1				2		2
7												
6	1					1	1					1
5	1					2	1					1
4				11		11				11		11
3				5	1	6				8	1	9
2				1	5	6				2	5	7
TOTAL	75	2	39	49	7	172	75	1	42	46	8	172
ANCHORAGE, ALASKA												
35	1	2		INBOUND			2	3		OUTBOUND		
33	2	1				3						5
32	11	4				15	2	2				4
31	25	9				34	6	4				10
30	13	8				21	10	3				13
29	9	6				15	6	5				11
28	105	3				109	22	6				28
27	7	1				8	119	9				128
26	1					1	9	2				11
25	2					2	1					
24	5	2				7	4	1				5
23		1				1						
22	1					1	1				1	2
21	1					1	2				1	3
20		2			3	5	3	1				4
19	1			1	2	4	3			107	1	111
18	2					3	1		1			2
17			1	4		13	1		9			10
16			5	1		9	1	1	6			8
15	3		12	8	1	24	2		13	6		21
14	1		8	1		10	4		18			22
13	1		4		9	9			1		4	5
12 AND LESS	10		9	128	16	163	8		7	30	14	59
TOTAL	202	39	51	143	26	461	207	37	55	143	21	463
KODIAK HARBOR, ALASKA												
30	22	4		INBOUND			27	3		OUTBOUND		
29	7	1				8	9	6				15
28	11	6				17	8	4				12
27	14	5				19	12	1				13
26	11	4				15	9	6				15
25	2					2	1					1
24							2					2
18					2	2					1	1
17			8	3		11			12			12
16			35	4		39			27	3		30
15	1		10	23	2	36	2		4	26	1	33
14	3		64			67	2		58		1	61
13	2		10	4		16	2		18	1		21
12	3		16	2		21	3		18	2		23
11	3			8		11	1			7		8
10	1		125	1		127			125	3		128
9	1		1			2	2					2
8				1		1				1		1
7	1			1		2	1					1
6				2	1	3				2	1	3
5			2			2			2			2
4				16	5	21				18	5	23
3				17	5	22				20	5	25
2					8	8					9	9
TOTAL	82	20	271	82	23	478	81	20	264	83	23	471
UNALASKA BAY AND ISLAND, ALASKA												
25	35	1		INBOUND			31	1		OUTBOUND		
24							2					2
23	5					5	6					6
22	9				2	10	6	2			1	9
21	12				1	13	12	3			1	16
20	16				1	17	21	1			2	24
19	14				1	20	20		1			21
18	44	1	2		2	49	35	2	15		1	53
17	31	2	8	1		42	31		2	1	1	35
16	41	1	37	2	1	82	48		37	1	2	84
15	35	2	16		3	56	49		11	4	2	66
14	52	2	31		1	86	56		31		2	89
13	79	1	9	3	3	94	71	1	9	3	2	86

* EXCLUDES DOMESTIC FISHING CRAFT.

ALASKA DISTRICT

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TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY				DIRECTION			DIRECTION						
DRAFT (FEET)	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		
JUNALASKA BAY AND ISLAND, ALASKA--(CONTINUED)				INBOUND						OUTBOUND			
12 - - - - -	102	1	12		1	116	95		8	1	1	105	
11 - - - - -	103			2		106	90			2		92	
10 - - - - -	52		1	2		55	53		1	2		56	
9 - - - - -	34		2		2	40	41		4		2	47	
8 - - - - -	26			1		21	22					22	
7 - - - - -	9			1	1	10	4			1	1	6	
6 - - - - -	9			1		11	11			2	1	14	
5 - - - - -	1		919	2		922	2		921	2	3	925	
4 - - - - -	3			13	9	25				13	12	25	
3 - - - - -	2			20	14	34	4			18	15	33	
2 - - - - -				9	10	19	1			5	4	14	
TOTAL - - - - -	708	11	1,040	55	57	1,871	707	10	1,040	55	57	1,869	
BETHEL HARBOR, ALASKA				INBOUND						OUTBOUND			
TOTAL, 17 AND LESS - - - - -	20	16	54	41	44	175	21	16	52	41	45	175	
CORDOVA HARBOR, ALASKA				INBOUND						OUTBOUND			
TOTAL, 14 AND LESS - - - - -			58	18	15	94			55	17	17	89	
CRAIG HARBOR, ALASKA				INBOUND						OUTBOUND			
TOTAL, 10 AND LESS - - - - -	15		15	26	14	70	15		16		13	44	
DILLINGHAM HARBOR, ALASKA				INBOUND						OUTBOUND			
TOTAL, 7 AND LESS - - - - -	4		13	24	14	55	4		13	25	13	55	
DOUGLAS HARBOR, ALASKA				INBOUND						OUTBOUND			
TOTAL, 12 AND LESS - - - - -			8	6		14			9	6		15	
DRY PASS, ALASKA				INBOUND						OUTBOUND			
TOTAL, 13 AND LESS - - - - -			22			22			22			22	
EGEGIK RIVER, ALASKA				INBOUND						OUTBOUND			
TOTAL, 15 AND LESS - - - - -	3	1		2	1	7	3		1	1	2	7	
ELFIN COVE HARBOR, ALASKA				INBOUND						OUTBOUND			
TOTAL, 12 AND LESS - - - - -			5		4	9			5		4	9	
GASTINEAU CHANNEL, ALASKA				INBOUND						DOWNBOUND			
TOTAL, 39 AND LESS - - - - -	292		315	113	36	756	294		316	114	32	756	
HOMER, ALASKA				INBOUND						OUTBOUND			
TOTAL, 24 AND LESS - - - - -	21	12	15	4	6	58	20	9	15	4	7	55	
HOONAH HARBOR, ALASKA				INBOUND						OUTBOUND			
TOTAL, 15 AND LESS - - - - -	37		71	16	29	152	37		65	16	29	147	
HUMBOLDT HARBOR, ALASKA				INBOUND						OUTBOUND			
TOTAL, 22 AND LESS - - - - -	150		37	18	5	210	151		37	18	5	211	
JUNEAU HARBOR, ALASKA				INBOUND						OUTBOUND			
TOTAL, 14 AND LESS - - - - -	292		324	111	38	765	294		330	116	30	770	
KAKE HARBOR, ALASKA				INBOUND						OUTBOUND			
TOTAL, 22 AND LESS - - - - -	25		53	15	28	121	25		53	15	25	118	
KING COVE LAGOON, ALASKA				INBOUND						INBOUND			
TOTAL, 16 AND LESS - - - - -	105		31	17	11	164	105		31	18	11	165	
NAKNEK RIVER, ALASKA				INBOUND						OUTBOUND			
TOTAL, 16 AND LESS - - - - -	11		28	29	16	84	10		26	28	14	78	
MINILCHIK HARBOR, ALASKA			NO VESSEL TRIPS	REPORTED									
NOME, ALASKA				INBOUND						OUTBOUND			
TOTAL, 21 AND LESS - - - - -	4		18	12	11	45	4		18	12	11	45	
OLD HARBOR, ALASKA				INBOUND						OUTBOUND			
TOTAL, 9 AND LESS - - - - -	19		5	9		33	19		5	8		32	
PELICAN HARBOR, ALASKA				INBOUND						OUTBOUND			
TOTAL, 12 AND LESS - - - - -	19		9	13	7	48	19		9	13	7	48	
* EXCLUDES DOMESTIC FISHING CRAFT.													

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
DRAFT (FEET)												
PETERSBURG HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 17 AND LESS	5		228	81	54	368	5		225	82	53	365
PORT ALEXANDER, ALASKA				INBOUND						OUTBOUND		
TOTAL, 12 AND LESS	1		11		4	16	1		13		4	18
ROCKY PASS IN KEKU STRAIT, ALASKA				NORTHBOUND						SOUTHBOUND		
TOTAL, 4 AND LESS	2					2	2					2
SELODVIA HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 16 AND LESS		3	38		14	55			36		17	53
STIKINE RIVER, ALASKA				INBOUND						OUTBOUND		
TOTAL, 3 AND LESS			42	41		83			42	41		83
CHATHAM STRAIT, ALASKA				UPBOUND						DOWNBOUND		
TOTAL, 35 AND LESS	185	25	584	282	167	1,243	178	25	583	282	167	1,235
CLARENCE STRAIT, ALASKA				UPBOUND						DOWNBOUND		
TOTAL, 30 AND LESS	47	25	578	234	84	968	47	25	561	235	83	971
FREDERICK SOUND, ALASKA				UPBOUND						DOWNBOUND		
TOTAL, 30 AND LESS	74	25	664	292	159	1,214	74	25	663	292	162	1,216
ICY STRAIT, ALASKA				UPBOUND						DOWNBOUND		
TOTAL, 39 AND LESS	846		212	75	60	1,191	846		213	77	63	1,199
LYNN CANAL, ALASKA				UPBOUND						DOWNBOUND		
TOTAL, 39 AND LESS	888	25	245	88	27	1,273	889	25	244	88	27	1,273
NICHOLS PASSAGE, ALASKA				UPBOUND						DOWNBOUND		
TOTAL, 30 AND LESS	8		113	183	7	311	7		113	183	8	311
VIKISKA, ALASKA				UPBOUND						DOWNBOUND		
TOTAL, 35 AND LESS	220	160	145	68	82	675	221	158	145	67	82	673
PERIL STRAIT, ALASKA				UPBOUND						DOWNBOUND		
TOTAL, 35 AND LESS	120		497	193	88	898	120		496	190	89	895
PRINCE WALES IS. WEST SIDE, ALASKA				INBOUND						OUTBOUND		
TOTAL, 18 AND LESS	45		205	54	64	368	47		205	54	63	369
REVILLAGIGADO CHANNEL, ALASKA				UPBOUND						DOWNBOUND		
TOTAL, 34 AND LESS	769	10	327	208	87	1,401	768	9	326	207	86	1,396
STEPHENS PASSAGE, ALASKA				UPBOUND						DOWNBOUND		
TOTAL, 39 AND LESS	325		365	126	55	871	321		360	126	55	862
SUMNER STRAIT, ALASKA				UPBOUND						DOWNBOUND		
TOTAL, 34 AND LESS	104	25	897	449	168	1,643	105	25	897	448	165	1,640
TONGASS NARROWS, ALASKA				UPBOUND						DOWNBOUND		
TOTAL, 34 AND LESS	747	9	780	563	138	2,237	746	9	780	558	137	2,230
WHITTIER HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 28 AND LESS	147	1	44	25		217	147	1	44	25		217

* EXCLUDES DOMESTIC FISHING CRAFT.

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