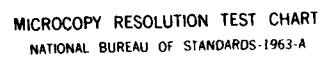


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WATERBORNE COMMERCE
OF THE UNITED STATES

Calendar Year 1982

PART 4
WATERWAYS AND HARBORS
PACIFIC COAST, ALASKA AND HAWAII



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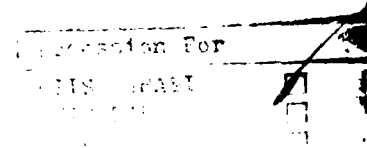
WATERBORNE COMMERCE OF THE UNITED STATES

CALENDAR YEAR 1982

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

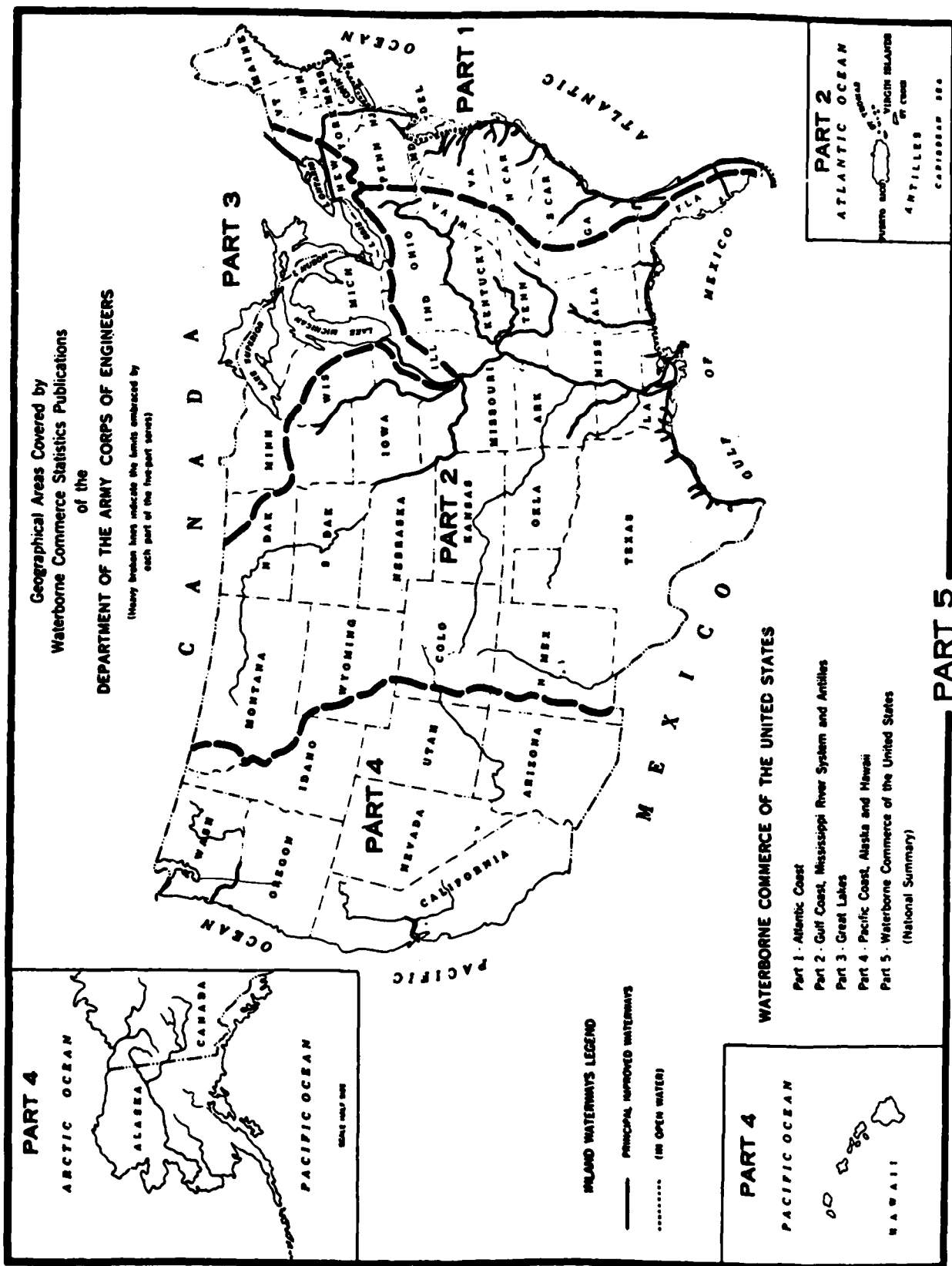


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INTRODUCTION

This publication is one of a series containing statistics on the waterborne commerce of the United States during the calendar year 1982. 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 of the United States by water 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:

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 \$100 or imprisonment not exceeding two months, to be enforced in any direct 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 inland 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 1982 but not reported to the Corps of Engineers until after 28 February 1983 will be included in the next year's, 1983, statistics rather than in this publication, while reports of movements completed in 1981 but reported to the Corps after 28 February 1982 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 1982 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 1982 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 and the Gulf of Mexico nor the tonnage moved among the territories and possessions, "Intra-territory Traffic," are 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.

Excluded 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 1982 in Bar Harbor, Lubec, Eastport and Portland Harbor.

Foreign data on various connecting channels having no terminal facilities, such as Cape Code 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 1982 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 is "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 Shipment. 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 arms 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 arms 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 segments 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.

INTRODUCTION

IX

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 19-Ordnance and Accessories	
0101	Cotton, raw	1911	Ordnance and accessories
0102	Barley and rye	Group 20-Food and Kindred Products	
0103	Corn	2011	Meat, fresh, chilled, or frozen
0104	Oats	2012	Meat and meat products prepared or preserved, including canned meat products
0105	Rice	2014	Tallow, animal fats and oils
0106	Sorghum Grains	2015	Animal by-products, not elsewhere classified
0107	Wheat	2021	Dairy products, except dried milk and cream
0111	Soybeans	2022	Dried milk and cream
0112	Flaxseed	2031	Fish and fish products, including shellfish, prepared or preserved
0119	Oilseeds, not elsewhere classified	Group 21-Tobacco Products	
0121	Tobacco, leaf	2111	Tobacco manufactures
0122	Hay and Fodder	Group 22-Basic Textiles	
0129	Field crops, not elsewhere classified	2211	Basic textile products, except textile fibers
0131	Fresh fruits	2212	Textile fibers not elsewhere classified
0132	Bananas and plantains	Group 23-Apparel and Other Finished Textile Products Including Knit	
0133	Coffee, green and roasted (including instant)	2311	Apparel and other finished textile products, including knit
0134	Cocoa beans	Group 24-Lumber and Wood Products Except Furniture	
0141	Fresh and frozen vegetables	2411	Logs
0151	Live animals (livestock) except zoo animals, cats, dogs, etc.	2412	Rafted logs
0161	Animals and animal products, not elsewhere classified	2413	Fuel wood, charcoal, and wastes
0191	Miscellaneous farm products	2414	Timber, posts, poles, piling, and other wood in the rough
Group 08-Forest Products		2415	Pulpwood, log
0841	Crude rubber and allied gums	2416	Wood chips, staves, moldings, and excelsior
0861	Forest products, not elsewhere classified	2421	Lumber
Group 09-Fresh Fish and Other Marine Products		2431	Veneer, plywood, and other worked wood
0911	Fresh fish, except shellfish	2491	Wood manufactures, not elsewhere classified
0912	Shellfish, except prepared or preserved	Group 25-Furniture and Fixtures	
0913	Menhaden	2511	Furniture and fixtures
0931	Marine shells, unmanufactured	Group 26-Pulp, Paper and Allied Products	
Group 10-Metallic Ores		2611	Pulp
1011	Iron ore and concentrates	2621	Standard newsprint paper
1021	Copper ore and concentrates		
1051	Bauxite and other aluminum ores and concentrates		
1061	Manganese ores and concentrates		
1091	Nonferrous metal ores and concentrates, not elsewhere classified		
Group 11-Coal			
1121	Coal and lignite		
Group 13-Crude Petroleum			
1311	Crude petroleum		
Group 14-Nonmetallic Minerals, Except Fuels			
1411	Limestone flux and calcareous stone		
1412	Building stone, unworked		
1442	Sand, gravel and crushed rock		
1451	Clay, ceramic and refractory materials		
1471	Phosphate rock		
1479	Natural fertilizer materials, not elsewhere classified		
1491	Salt		
1492	Sulphur, dry		
1493	Sulphur, liquid		
1494	Gypsum, crude and plasters		
1499	Nonmetallic minerals, except fuels, not elsewhere classified		

Code No.	Item Name	Code No.	Item Name
Group 26-Pulp, Paper and Allied Products (continued)		Group 32-Stone, Clay, Glass and Concrete Products	
2631	Paper and paperboard	3211	Glass and glass products
2691	Pulp, paper and paperboard products, not elsewhere classified	3241	Building cement
Group 27-Printed Matter		3251	Structural clay products, including refractories
2711	Printed matter	3271	Lime
Group 28-Chemicals and Allied Products		3281	Cut stone and stone products
2810	Sodium hydroxide (caustic soda)	3291	Miscellaneous nonmetallic mineral products
2811	Crude products from coal tar, petroleum, and natural gas, except benzene and toluene	Group 33-Primary Metal Products	
2812	Dyes, organic pigment, dyeing and tanning materials	3311	Pig iron
2813	Alcohols	3312	Slag
2816	Radioactive and associated materials, including waste	3313	Coke (coal and petroleum), petroleum pitches and asphalts, and naphtha and solvents
2817	Benzene and toluene, crude and commercially pure	3314	Iron and steel ingots, and other primary forms, including blanks for tube and pipe, and sponge
2818	Sulphuric acid	3315	Iron and steel bars, rods, angles, shapes and sections, including sheet piling
2819	Basic chemicals and basic chemical products, not elsewhere classified	3316	Iron and steel plates and sheets
2821	Plastic materials, regenerated cellulose and synthetic resins, including film, sheeting and laminates	3317	Iron and steel pipe and tube
2822	Synthetic rubber	3318	Ferroalloys
2823	Synthetic (man-made) fiber	3319	Primary iron and steel products, not elsewhere classified including castings in the rough
2831	Drugs (biological products, medicinal chemicals, botanical products and pharmaceutical preparations)	3321	Nonferrous metals primary smelter products, basic shapes, wire castings and forgings, except copper, lead, zinc and aluminum
2841	Soap, detergents, and cleaning preparations; perfumes, cosmetics, and other toilet preparations	3322	Copper and copper alloys, whether or not refined unworked
2851	Paints, varnishes, lacquers, enamels, and allied products	3323	Lead and zinc including alloys, unworked
2861	Gum and wood chemicals	3324	Aluminum and aluminum alloys, unworked
2871	Nitrogenous chemical fertilizers, except mixtures	Group 34-Fabricated Metal Products, Except Ordnance, Machinery and Transportation Equipment	
2872	Potassic chemical fertilizers, except mixtures	3411	Fabricated metal products, except ordnance, machinery, and transportation equipment.
2873	Phosphatic chemical fertilizers, except mixtures	Group 35-Machinery, Except Electrical	
2876	Insecticides, fungicides, pesticides, and disinfectants	3511	Machinery, except electrical
2879	Fertilizers and fertilizer materials, not elsewhere classified	Group 36-Electrical Machinery, Equipment and Supplies	
2891	Miscellaneous chemical products	3611	Electrical machinery equipment and supplies
Group 29-Petroleum and Coal Products		Group 37-Transportation Equipment	
2911	Gasoline, including additives	3711	Motor vehicles, parts and equipment
2912	Jet fuel	3721	Aircraft and parts
2913	Kerosene	3731	Ships and boats
2914	Distillate fuel oil	3791	Miscellaneous transportation equipment
2915	Residual fuel oil	Group 38-Instruments, Photographic and Optical Goods, Watches and Clocks	
2916	Lubricating oils and greases	3811	Instruments, photographic and optical goods, watches and clocks
2917	Naphtha, mineral spirits, solvents, not elsewhere classified	Group 39-Miscellaneous Products of Manufacturing	
2918	Asphalt, tar, and pitches	3911	Miscellaneous products of manufacturing
2920	Coke, including petroleum coke	Group 40-Waste and Scrap Materials	
2921	Liquefied petroleum gases, coal gases, natural gas, and natural gas liquids	4011	Iron and steel scrap
2951	Asphalt building materials	4012	Nonferrous metal scrap
2991	Petroleum and coal products, not elsewhere classified	4022	Textile waste, scrap, and sweepings
Group 30-Rubber and Miscellaneous Plastics Products		4024	Paper waste and scrap
3011	Rubber and miscellaneous plastic products	4029	Waste and scrap, not elsewhere classified
Group 31-Leather and Leather Products			
3111	Leather and leather products		

INTRODUCTION

XI

Code No.	Item Name
Group 41-Special Items	
4111	Water
4112	Miscellaneous shipments not identifiable by commodity
4113	LCL freight
4118	Materials used in waterway improvement, Government materials
4119	Empty containers
9999*	Department of Defense controlled cargo and special category items

* 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 SC1) for which commodity detail is not furnished to the Corps of Engineers.

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 CHANNELS; 35 TO 42 FEET IN BAY CHANNEL, ANCHORAGES AND TURNING BASIN; 10 TO 16 FEET IN OTHER CHANNELS AND AREAS.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973	2,063,356	1978	2,571,402
1974	2,115,074	1979	2,401,349
1975	2,351,306	1980	2,188,859
1976	2,188,617	1981	2,650,292
1977	2,266,485	1982	2,398,103

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	SHIPMENTS	INTERNAL RECEIPTS
TOTAL	2,398,103	196,510	1,169,927	817,530	48,514	165,022
0101 COTTON, RAW	7,547		7,547			
0107 WHEAT	292,582		292,582			
0129 FIELD CROPS, NEC	453		453			
0861 FOREST PRODUCTS, NEC	86,757	1,423				86,334
0911 FRESH FISH, EXCEPT SHELLFISH	80,130	1,470	758			77,902
0912 SHELLFISH, EXCEPT PREPARED	1,386					1,386
1021 COPPER ORE AND CONCENTRATES	566,089		566,089			
1471 PHOSPHATE ROCK	5,512	5,512				
2031 FISH AND SHELLFISH, PREPARED	4	4				
2062 MOLASSES	18,735	13,056	5,679			
2081 ALCOHOLIC BEVERAGES	44	44				
2099 MISCELLANEOUS FOOD PRODUCTS	21	21				
2211 BASIC TEXTILE PRODUCTS	23	23				
2311 APPAREL	93					
2421 LUMBER	121,665	4,788		116,877		
2491 WOOD MANUFACTURES, NEC	4	4				
2631 PAPER AND PAPERBOARD	45,178	45,178				
2691 PULP AND PAPER PRODUCTS, NEC	1	1				
2711 PRINTED MATTER	1					
2819 BASIC CHEMICALS AND PROD, NEC	18,971		18,971			
2821 PLASTIC MATERIALS	19	19				
2861 GUM AND WOOD CHEMICALS	5,600			5,600		
2871 NITROGENOUS CHEM FERTILIZERS	65,890	55,980		9,910		
2873 PHOSPHATIC CHEM FERTILIZERS	182,307		182,307			
2912 JET FUEL	129,137			129,137		
2914 DISTILLATE FUEL OIL	15,466			14,402	1,064	
2915 RESIDUAL FUEL OIL	596,254		15,388	581,866	39,262	
2918 ASPHALT, TAR, AND PITCHES	100		100			
3011 RUBBER AND MISC PLASTIC PROD	7	7				
3111 LEATHER AND LEATHER PRODUCTS	6	6				
3241 BUILDING CEMENT	69,787	69,581	206			
3291 MISC NONMETALLIC MINERAL PROD	6	6				
3411 FABRICATED METAL PRODUCTS	93	93				
3511 MACHINERY, EXCEPT ELECTRICAL	17	11				
3611 ELECTRICAL MACH AND EQUIP	49	43				
3721 AIRCRAFT AND PARTS	6,004				6,000	
3731 SHIPS AND BOATS	50	8	42			
3811 INSTR, TIME, PHOTO, OPT GOODS	2	2				
3911 MISC MANUFACTURED PRODUCTS	91	91				
4011 IRON AND STEEL SCRAP	79,769		79,769			
4112 COMMODITIES, NEC	2,233	45			2,188	
9999 DEPARTMENT OF DEFENSE AND SCI	20		20			

LONG BEACH HARBOR, CALIF.

SECTION INCLUDED: ENTIRE HARBOR WITHIN THE CITY LIMITS OF LONG BEACH, CONTROLLING DEPTHS: 62 FEET IN LONG BEACH CHANNEL AND ENTRANCE CHANNEL; 50 FEET TO 55 FEET IN OTHER CHANNELS AND BASINS, PROJECT DEPTHS: 35 FEET IN LONG BEACH CHANNEL AND OTHER CHANNELS AND BASINS.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973	27,133,022	1978	31,586,404
1974	26,893,767	1979	33,347,303
1975	26,587,134	1980	30,779,672
1976	31,457,099	1981	43,537,011
1977	32,985,424	1982	42,010,254

* PASSENGERS--544,071.

Waterborne Commerce of the United States, 1982

LONG BEACH HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	42,010,254	7,310,512	12,453,008	16,299,512	1,001,290	2,393,712	442,659	2,108,871
0101 COTTON, RAW-----	463,291	-----	463,291	-----	-----	-----	-----	-----
0103 CORN-----	720,451	6	720,407	-----	38	-----	-----	-----
0104 OATS-----	413	-----	-----	-----	-----	-----	-----	-----
0105 RICE-----	7,201	4,300	2,878	-----	23	-----	-----	-----
0106 SOYBEAN GRAINS-----	332,079	-----	332,079	-----	-----	-----	-----	-----
0107 WHEAT-----	207,719	3	207,716	-----	-----	-----	-----	-----
0111 SOYBEANS-----	388,828	5	388,823	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	9,940	522	9,438	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	14,276	13,801	477	-----	-----	-----	-----	-----
0122 HAY AND FODDER-----	356	-----	-----	-----	356	-----	-----	-----
0129 FIELD CROPS, NEC-----	3,290	563	2,735	-----	-----	-----	-----	-----
0131 FRESH FRUITS-----	289,469	356	289,539	-----	574	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	254,299	254,299	-----	-----	-----	-----	-----	-----
0133 COFFEE-----	16,907	16,039	830	38	-----	-----	-----	-----
0134 COCOA BEANS-----	1,902	1,902	-----	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	22,833	3,291	10,542	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	10,831	3,894	6,937	-----	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	755	303	452	-----	-----	-----	-----	-----
0801 CRUDE RUBBER AND ALLIED GUMS-----	8,440	8,388	52	-----	-----	-----	-----	-----
0801 FOREST PRODUCTS, NEC-----	11,159	9,511	1,648	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	35,968	34,419	1,287	-----	-----	262	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	12,216	9,292	2,877	22	-----	35	-----	-----
1011 IRON ORE AND CONCENTRATES-----	25	-----	25	-----	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	5,353	4,953	400	-----	-----	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	27,545	27,545	-----	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	25,329	18,432	6,897	-----	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	899,972	-----	899,939	-----	33	-----	-----	-----
1311 CRUDE PETROLEUM-----	15,712,498	1,183,054	-----	14,383,620	122,769	23,047	-----	-----
1411 LIMESTONE-----	303,903	302,871	1,005	-----	27	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	183	-----	183	-----	-----	-----	-----	-----
1462 SAND, GRAVEL, CRUSHED ROCK-----	3,200	544	2,656	-----	-----	-----	-----	-----
1481 CLAY-----	8,448	1,249	7,199	-----	-----	-----	-----	-----
1471 PHOSPHATE ROCK-----	1,322	-----	1,322	-----	-----	-----	-----	-----
1491 SALT-----	125,136	124,639	497	-----	-----	-----	-----	-----
1492 SULPHUR, DRY-----	1,635	-----	1,635	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	194	-----	194	-----	-----	-----	-----	-----
1899 NONMETALLIC MINERALS, NEC-----	102,538	-----	101,635	-----	474	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	1,405	224	1,181	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	97,491	40,281	57,398	-----	12	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	7,991	6,325	1,666	-----	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	53,638	-----	53,638	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	63,972	45	63,927	-----	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	2,218	1,348	865	-----	5	-----	-----	-----
2022 DRIED MILK AND CREAM-----	2,181	41	2,140	-----	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	23,504	17,440	6,064	24	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	69,729	55,076	9,623	-----	5,030	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	86,098	37,655	48,192	90	161	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	500	-----	401	-----	99	-----	-----	-----
2042 ANIMAL FEEDS-----	104,259	989	102,906	-----	364	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	12,610	8,990	3,586	-----	34	-----	-----	-----
2061 SUGAR-----	281	122	159	-----	-----	-----	-----	-----
2062 MOLASSES-----	22,452	6,566	-----	-----	15,886	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	90,525	75,935	4,823	-----	9,767	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	64,371	36,643	27,589	-----	139	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	124	121	3	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	82,087	35,774	39,837	20	6,456	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	3,840	3,488	350	-----	2	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	70,466	49,288	12,659	-----	8,519	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	9,191	1,414	7,777	-----	-----	-----	-----	-----
2311 APPAREL-----	122,360	118,247	4,071	15	27	-----	-----	-----
2411 LOGS-----	2,101	142	1,959	-----	-----	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	85	59	26	-----	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	41	2	23	-----	16	-----	-----	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	3,132	3,055	77	-----	-----	-----	-----	-----
2421 LUMBER-----	160,130	48,631	3,795	107,681	23	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	34,818	33,780	804	-----	234	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	25,974	20,196	3,469	121	184	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	91,777	81,777	2,624	2,525	4,851	-----	-----	-----
2611 PULP-----	1,106	227	879	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	225,293	209,290	13,545	110	344	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	25,140	8,455	10,633	-----	6,052	-----	-----	-----
2711 PRINTED MATTER-----	16,466	9,006	6,969	-----	493	-----	-----	-----
2810 SODIUM HYDROXIDE-----	17,100	-----	-----	17,100	-----	-----	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	2,781	-----	2,781	-----	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	356	-----	356	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	121	-----	121	-----	-----	-----	-----	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	5	5	-----	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	40,469	-----	-----	-----	38,772	-----	1,697	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	720,125	47,430	437,204	106,691	126,600	-----	-----	-----
2821 PLASTIC MATERIALS-----	212,997	42,466	170,262	-----	269	-----	-----	-----
2822 SYNTHETIC RUBBER-----	9,814	-----	9,814	-----	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	5,794	1,817	3,939	-----	38	-----	-----	-----
2831 DRUGS-----	4,996	2,108	2,553	-----	335	-----	-----	-----
2881 SOAP-----	16,730	1,573	10,968	-----	4,179	-----	-----	-----
2891 PAINTS-----	23,077	11,272	8,668	180	2,936	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	1,458	324	1,534	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	15,655	4,172	58	-----	11,425	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	1,085	-----	985	-----	100	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	139,226	118	139,108	-----	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	6,148	2,386	3,680	-----	82	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	38,430	274	4,445	-----	33,711	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	58,787	7,341	21,458	25,007	4,981	-----	-----	-----

LOS ANGELES, CA, DISTRICT

LONG BEACH HARBOR, CALIF.--CONTINUED

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FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2911 GASOLINE-----	544,908	159,634	68,074	205,732	99,894	11,374		
2912 JET FUEL-----	299,025			143,043	156,842			
2913 KEROSENE-----	26		25					
2914 DISTILLATE FUEL OIL-----	2,234,048		458,430	218,101	122,409	103,157	7,121	1,324,650
2915 RESIDUAL FUEL OIL-----	7,169,711	379,817	2,212,425	969,766	174,850	2,231,303	427,021	773,525
2916 LUBRICATING OILS AND GREASES-----	460,311	288,781	115,451	56,079				
2917 NAPHTHA, PETROLEUM SOLVENTS-----	24,139			14,565		6,844	2,726	
2918 ASPHALT, TAR, AND BITUMENS-----	3,717		240		1,877			
2920 COKE, PETROLEUM COKE-----	3,995,085		3,995,085					
2921 LIQUEFIED GASES-----	457		457					
2951 ASPHALT BUILDING MATERIALS-----	1,263		750		513			
2991 PETROLEUM AND COAL PROD, NEC-----	20,239	54	874	2,813	564	1,456	4,748	10,430
3011 RUBBER AND MISC PLASTIC PROD-----	138,181	120,079	16,738		1,364			
3111 LEATHER AND LEATHER PRODUCTS-----	93,948	86,223	7,725					
3211 GLASS AND GLASS PRODUCTS-----	25,100	17,265	3,876		3,959			
3281 BUILDING CEMENT-----	154,716	117,798	1,435	35,225	258			
3291 STRUCTURAL CLAY PRODUCTS-----	32,087	30,603	1,478		6			
3271 LIME-----	48	1	38		9			
3281 CUT STONE AND STONE PRODUCTS-----	19,558	19,506	152					
3291 MISC NONMETALLIC MINERAL PROD-----	87,686	81,543	5,631		512			
3312 SLAG-----	24				24			
3314 IRON AND STEEL PRIMARY FORMS-----	309,551	309,513	38					
3315 IRON, STEEL SHAPES, EXC SHEET-----	941,140	938,489	2,651					
3316 IRON AND STEEL PLATES, SHEETS-----	23,554	11,747	11,759		48			
3317 IRON AND STEEL PIPE AND TUBE-----	251,730	246,670	4,405	8	634	5	8	
3318 FERROALLOYS-----	19,965	19,786	179					
3319 IRON AND STEEL PRODUCTS, NEC-----	10,529	9,501	1,028					
3321 NONFERROUS METALS, NEC-----	16,113	7,195	8,905		13			
3322 COPPER ALLOYS, UNWORKED-----	9,186	7,252	1,912	22				
3323 LEAD AND ZINC, UNWORKED-----	9,139	7,827	1,312					
3324 ALUMINUM AND ALLOYS, UNWORKED-----	27,664	19,580	8,091		93			
3511 FABRICATED METAL PRODUCTS-----	282,655	240,162	19,566	179	2,724	8	7	5
3511 MACHINERY, EXCEPT ELECTRICAL-----	320,624	217,558	102,427	289	312	3	30	9
3611 ELECTRICAL MACH AND EQUIP-----	390,848	359,633	30,221	17	977			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	351,781	332,816	18,562	149	432			
3721 AIRCRAFT AND PARTS-----	8,660	343	2,317	6,000				
3731 SHIPS AND BOATS-----	4,470	2,837	1,612	11	10			
3791 MISC TRANSPORTATION EQUIPMENT-----	2,120	661	1,301	2	156			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	26,596	19,890	6,706					
3911 MISC MANUFACTURED PRODUCTS-----	172,107	163,388	8,707	9	401			2
4011 IRON AND STEEL SCRAP-----	70,893	775	69,982	136				
4012 NONFERROUS METAL SCRAP-----	40,072	1,785	38,287					
4022 TEXTILE WASTE, SCRAP, SHEEP-----	5,419	1	5,418					
4024 PAPER WASTE AND SCRAP-----	427,094		427,094					
4029 WASTE AND SCRAP, NEC-----	73			70			1	2
4111 WATER-----	562					312		250
4112 COMMODITIES, NEC-----	61,155	16,039	4,235	3,822	37,021	16		22
4119 EMPTY CONTAINERS-----	27			22	5			
9999 DEPARTMENT OF DEFENSE AND SCI-----	2,596		2,596					

LOS ANGELES HARBOR, CALIF.

SECTION INCLUDED: ENTIRE HARBOR WITHIN THE CITY LIMITS OF LOS ANGELES. CONTROLLING DEPTHS: 35 TO 51 FEET IN ENTRANCE AND OUTER HARBOR CHANNELS AND BASINS; 35 FEET IN LOS ANGELES CHANNEL AND INNER HARBOR BASINS AND CHANNELS. PROJECT DEPTHS: 45 TO 51 FEET IN ENTRANCE AND OUTER HARBOR CHANNELS AND BASINS; 45 FEET IN LOS ANGELES CHANNEL AND INNER HARBOR BASINS AND CHANNELS.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	25,977,491	700,132	1978-----	32,827,476	586,831
1974-----	25,919,367	85,982	1979-----	31,709,883	624,289
1975-----	30,746,362	117,312	1980-----	30,151,053	699,175
1976-----	30,931,489	342,466	1981-----	31,526,075	712,290
1977-----	31,325,506	603,447	1982-----	33,099,920	582,302

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	33,099,929	5,313,255	7,091,174	10,540,595	5,034,874	630,450	2,763,015	1,756,562
0101 COTTON, RAW-----	318,014		318,014					
0102 BARLEY AND RYE-----	38	21	17					
0103 CORN-----	29,928	5	29,923					
0105 RICE-----	5,692	5,098	45		549			
0106 BORGHUM GRAINS-----	241		241					
0107 WHEAT-----	14,940		14,940					
0111 SOYBEANS-----	4,381	39	4,342					
0119 OILSEEDS, NEC-----	23,789	221	23,568					
0121 TOBACCO, LEAF-----	20,565	17,019	2,746					
0129 FIELD CROPS, NEC-----	10,765	4,749	6,016					
0131 FRESH FRUITS-----	161,852	117	102,750	48,071	10,914			
0132 BANANAS AND PLANTAINS-----	285,284		285,284					

Waterborne Commerce of the United States, 1982

LOS ANGELES HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
0133 COFFEE-----	18,307	18,273	92	-----	22	-----	-----	-----
0134 COCOA BEANS-----	319	319	-----	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	39,095	2,107	12,494	758	43,646	-----	-----	-----
0151 LIVE ANIMALS-----	248	-----	1	-----	247	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	10,408	1,942	6,795	48	1,623	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	1,967	395	362	1,210	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	12,938	12,402	536	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	4,392	3,951	1,279	639	723	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	213,399	34,715	2,223	-----	176,463	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	30,950	11,000	4,825	1,057	1,940	-----	11,326	-----
1051 ALUMINUM ORES, CONCENTRATED-----	10,484	9,530	946	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	14,657	10,808	3,159	-----	690	-----	-----	-----
1121 COAL AND LIGNITE-----	1,933,690	160	1,933,510	-----	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	5,070,478	1,078,054	-----	3,902,125	67,452	-----	23,047	-----
1411 LIMESTONE-----	2,686	4	2,682	-----	-----	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	221	-----	221	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	17,668	15,719	1,949	-----	-----	-----	-----	-----
1451 CLAY-----	6,243	1,924	3,843	-----	476	-----	-----	-----
1491 SALT-----	300	86	146	-----	68	-----	-----	-----
1492 SULPHUR, DRY-----	7,152	-----	7,152	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTER-----	3,884	-----	-----	-----	3,884	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	540,022	13,675	526,347	-----	-----	-----	-----	-----
1911 ORNAMENT AND ACCESSORIES-----	2,217	1,778	439	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	170,368	20,430	100,746	546	49,018	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	14,588	10,349	4,279	-----	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	38,011	38,011	-----	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	110,486	47	110,955	384	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	5,545	2,056	423	-----	3,066	-----	-----	-----
2022 DRIED MILK AND CREAM-----	909	28	881	-----	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	26,363	21,851	4,532	-----	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	49,292	23,885	3,695	4,257	37,455	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	102,648	47,680	42,235	88,428	4,105	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	463	-----	185	38	240	-----	-----	-----
2042 ANIMAL FEEDS-----	160,940	851	139,479	-----	28,610	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	23,328	4,177	18,210	-----	941	-----	-----	-----
2061 SUGAR-----	92	21	17	-----	54	-----	-----	-----
2062 MOLASSES-----	153,392	44,492	-----	53,770	-----	-----	15,886	39,246
2081 ALCOHOLIC BEVERAGES-----	100,746	45,945	4,656	409	49,738	-----	-----	-----
2091 VEGETABLE OILS, HARD, SHORT-----	66,273	16,939	38,320	-----	11,014	-----	-----	-----
2092 ANIMAL OILS AND FATS, NEC-----	102	49	3	-----	-----	-----	-----	-----
2094 GROCERIES-----	32,289	-----	-----	363	31,926	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	66,694	28,849	22,574	873	14,358	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	2,767	1,341	1,426	1	205	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	61,712	54,433	5,450	8	1,813	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	4,222	70	4,152	-----	-----	-----	-----	-----
2311 APPAREL-----	84,839	83,991	848	-----	-----	-----	-----	-----
2411 LOGS-----	590	237	353	-----	-----	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	403	343	-----	-----	150	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	2	2	-----	-----	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	156	51	105	-----	-----	-----	-----	-----
2421 LUMBER-----	84,522	50,414	1,013	32,039	1,056	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	34,620	33,981	375	-----	264	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	23,457	18,280	4,559	-----	618	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	71,576	43,975	1,795	14,752	11,054	-----	-----	-----
2611 PULP-----	3,243	504	2,739	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	77,502	57,407	16,491	-----	3,404	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	31,173	3,483	7,696	-----	19,994	-----	-----	-----
2711 PRINTED MATTER-----	13,254	8,183	2,021	-----	2,930	-----	-----	-----
2810 SODIUM HYDROXIDE-----	146,138	-----	-----	142,957	3,181	-----	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	37,346	-----	3,394	6,925	27,027	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	209	-----	209	-----	-----	-----	-----	-----
2813 ALCOHOLS-----	14,808	-----	55	14,122	711	-----	-----	-----
2816 RADIOACTIVE MATERIALS, WASTES-----	22	-----	22	-----	-----	-----	-----	-----
2817 BENZENE AND TOLUENE-----	13,949	-----	-----	12,252	-----	1,697	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	353,858	65,010	225,764	58,613	4,471	-----	-----	-----
2821 PLASTIC MATERIALS-----	102,392	34,758	66,224	-----	1,410	-----	-----	-----
2822 SYNTHETIC RUBBER-----	6,757	-----	6,757	-----	-----	-----	-----	-----
2823 SYNTHETIC (MAN-MADE) FIBERS-----	5,639	3,743	1,896	-----	-----	-----	-----	-----
2831 DRUGS-----	5,893	1,902	1,610	-----	2,381	-----	-----	-----
2841 SOAP-----	25,762	1,924	7,166	-----	17,070	-----	-----	-----
2851 PAINTS-----	22,133	12,720	4,726	-----	4,687	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	657	135	505	17	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	17,005	9,993	706	2,895	4,211	-----	-----	-----
2872 POTASSIUM CHEM FERTILIZERS-----	97	-----	97	-----	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	25,070	34	25,036	-----	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	5,556	2,330	2,042	9	1,167	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	653	237	416	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	51,851	11,193	21,075	10,171	512	-----	-----	-----
2911 GASOLINE-----	1,638,274	92,030	653	1,217,009	317,199	-----	11,374	-----
2912 JET FUEL-----	384,707	-----	-----	181,544	203,163	-----	-----	-----
2913 KEROSENE-----	61,619	49,595	5	-----	12,019	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	3,986,728	-----	511,691	1,641,793	1,585,816	7,121	103,157	137,158
2915 RESIDUAL FUEL OIL-----	10,137,200	97,889	1,025,097	2,704,813	2,075,718	427,021	2,231,303	1,575,759
2916 LUBRICATING OILS AND GREASES-----	893,497	336,022	99,994	295,520	71,871	-----	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	84,973	-----	-----	75,349	-----	2,726	6,848	-----
2918 ASPHALT, TAR, AND BITUMENS-----	37,316	-----	639	-----	36,679	-----	-----	-----
2920 COKE, PETROLEUM-----	251,052	155	250,897	-----	-----	-----	-----	-----
2921 LIQUEFIED GASES-----	316	-----	316	-----	-----	-----	-----	-----
2991 ASPHALT BUILDING MATERIALS-----	958	-----	958	-----	258	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	18,694	219	184	1,455	6,843	4,048	1,456	4,109
3011 RUBBER AND MISCELLANEOUS PLASTIC PROD-----	140,300	120,478	15,255	253	4,314	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	52,820	50,372	2,448	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	25,096	20,046	2,055	-----	2,995	-----	-----	-----
3241 BUILDING CEMENT-----	3,141	-----	135	-----	3,006	-----	-----	-----

LOS ANGELES, CA, DISTRICT

LOS ANGELES HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3251 STRUCTURAL CLAY PRODUCTS-----	40,694	37,044	1,797	-----	1,253	-----	-----	-----
3271 LIME-----	10	10	-----	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	19,998	19,209	150	-----	659	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	60,510	33,719	3,175	-----	27,616	-----	-----	-----
3312 SLAG-----	724	-----	-----	-----	724	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	19,649	16,176	496	-----	2,977	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	463,991	460,801	3,163	-----	27	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	31,993	20,917	5,275	88	5,623	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	440,342	428,086	9,665	-----	2,578	8	5	-----
3318 FERROALLOYS-----	1,060	999	151	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	20,149	18,713	8,657	-----	779	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	6,600	2,605	5,801	-----	154	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	25,346	24,426	920	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	20,345	16,724	1,621	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	21,700	12,968	8,752	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	261,748	249,728	14,418	111	6,476	7	8	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	256,515	183,851	67,042	1,125	3,664	30	3	-----
3611 ELECTRICAL MACH AND EQUIP-----	227,911	204,934	18,402	1,043	3,532	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	436,352	390,920	12,295	14,591	18,546	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	3,767	529	3,225	9	4	-----	-----	-----
3731 SHIPS AND BOATS-----	4,957	3,609	1,129	41	96	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,798	445	1,244	2	105	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	28,090	23,733	5,157	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	115,767	98,045	3,626	3,892	10,204	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	762,390	361	756,797	5,272	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	32,213	1,673	30,500	-----	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	13,536	19	13,312	-----	5	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	187,274	19	187,274	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	369,601	-----	-----	-----	-----	1	369,600	-----
4111 WAX-----	612	-----	-----	-----	-----	-----	312	300
4112 COMMODITIES, NEC-----	162,764	11,716	1,095	10,177	150,960	-----	16	-----
4119 EMPTY CONTAINERS-----	2,019	-----	-----	1,561	458	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	6,175	-----	6,175	-----	-----	-----	-----	-----

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: 36 FEET IN APPROACH CHANNEL; 34 FEET IN ENTRANCE CHANNEL; 31 FEET IN CENTRAL BASIN AND CHANNEL A.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	1,109,381	1978-----	956,668
1974-----	986,060	1979-----	1,180,628
1975-----	1,087,154	1980-----	1,405,748
1976-----	1,492,057	1981-----	1,527,776
1977-----	1,675,763	1982-----	338,719

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	338,719	183,888	52,676	10,792	25,975	36,161	29,271
0131 FRESH FRUITS-----	14,183	-----	14,183	-----	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	89,435	89,435	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	167	-----	167	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	1,163	-----	1,163	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	19,080	-----	-----	-----	-----	19,080	-----
0912 SHELLFISH, EXCEPT PREPARED-----	5,330	-----	-----	-----	-----	5,330	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	1,872	-----	-----	-----	-----	-----	1,872
1499 NONMETALLIC MINERALS, NEC-----	36	-----	-----	-----	-----	-----	36
2039 PREP FRUIT AND VEG JUICE, NEC-----	471	-----	471	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	136	-----	136	-----	-----	-----	-----
2094 GROCERIES-----	8	-----	-----	-----	-----	-----	8
2614 TIMBER, POSTS, POLES, PILING-----	4	-----	-----	-----	-----	-----	4
2611 PULP-----	19,641	19,641	-----	-----	-----	-----	-----
2619 BASIC CHEMICALS AND PROD, NEC-----	9	-----	-----	-----	-----	-----	9
2621 PLASTIC MATERIALS-----	1	-----	-----	-----	-----	-----	-----
2671 NITROGENOUS CHEM FERTILIZERS-----	15	-----	-----	-----	-----	-----	15
2914 DISTILLATE FUEL OIL-----	4,433	-----	-----	-----	-----	-----	4,433
2915 RESIDUAL FUEL OIL-----	42,770	-----	33,249	9,521	-----	-----	-----
2916 LUBRICATING OILS AND GREASES-----	30,684	30,684	-----	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	1,241	-----	-----	1,241	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	5	-----	-----	-----	-----	-----	5
3211 GLASS AND GLASS PRODUCTS-----	3	-----	-----	-----	-----	-----	3
3201 BUILDING CEMENT-----	33	-----	-----	-----	-----	-----	33
3315 IRON, STEEL SHAPES, EXC SHEET-----	192	192	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	684	-----	-----	-----	-----	236	854
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1	-----	1	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	600	452	-----	-----	-----	39	66
3511 MACHINERY, EXCEPT ELECTRICAL-----	3,652	-----	246	30	81	800	2,613

Waterborne Commerce of the United States, 1982

PORT HUENEME, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
3611 ELECTRICAL MACH AND EQUIP-----	14	1	1	-----	-----	-----	12
3711 MOTOR VEHICLES, PARTS, EQUIP-----	41,322	41,321	1	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	2,867	-----	2,867	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	106	-----	106	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3	-----	-----	-----	-----	-----	3
3911 MISC MANUFACTURED PRODUCTS-----	41,618	-----	13	-----	25,894	5,714	9,997
4011 IRON AND STEEL SCRAP-----	101	-----	-----	-----	-----	101	-----
4029 WASTE AND SCRAP, NEC-----	195	-----	-----	-----	-----	195	-----
4111 WATER-----	4,469	-----	-----	-----	-----	376	4,091
4112 COMMODITIES, NEC-----	11,361	1,938	-----	-----	-----	3,052	5,591
4119 EMPTY CONTAINERS-----	391	-----	-----	-----	-----	338	53
9999 DEPARTMENT OF DEFENSE AND SCI-----	8	-----	8	-----	-----	-----	-----

LOS ANGELES, CA, DISTRICT

9

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS MILES	PASSENGERS
PROJECT				
MISSION BAY, CALIF.	NO COMMERCE REPORTED			
MONROE BAY HARBOR, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	2,840		
	0912 SHELLFISH, EXCEPT PREPARED	45A		
	TOTAL	2,89A		
NEWPORT BAY HARBOR, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	39		
	0912 SHELLFISH, EXCEPT PREPARED	55		
	TOTAL	94		
REDWOOD BEACH, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	135		
	0912 SHELLFISH, EXCEPT PREPARED	281		
	TOTAL	416		
SANTA BARBARA HARBOR, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	891		
	0912 SHELLFISH, EXCEPT PREPARED	6,863		
	3511 MACHINERY, EXCEPT ELECTRICAL	2		
	TOTAL	7,756		
NONPROJECT				
FLIKORU, CALIF.	1311 CRUDE PETROLEUM	229,009		
	2914 DISTILLATE FUEL OIL	4,691		
	2991 PETROLEUM AND COAL PROD, NEC	1,655		
	3511 MACHINERY, EXCEPT ELECTRICAL	135		
	3911 MISCELLANEOUS MANUFACTURED PRODUCTS	25,494		
	4112 COMMODITIES, NEC	1		
	TOTAL	261,985		
ENCINA, CALIF.	2915 KEROSENE FUEL OIL	772,667		
VENTURA HARBOR, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	161		
	0912 SHELLFISH, EXCEPT PREPARED	8P		
	1311 CRUDE PETROLEUM	46,033		
	2914 DISTILLATE FUEL OIL	31,161		
	2915 KEROSENE FUEL OIL	542,422		
	TOTAL	620,245		

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 200 MILES; FROM MOUTH OF CACHE SLOUGH TO WASHINGTON LAKE VIA SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, A DISTANCE OF 20.9 MILES. CONTROLLING DEPTH: MOUTH OF RIVER TO CACHE SLOUGH, 29 FEET; MOUTH OF CACHE SLOUGH TO WASHINGTON LAKE VIA SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, 20 FEET; MOUTH OF CACHE SLOUGH TO SACRAMENTO VIA RIVER ROUTE, 10 FEET; SACRAMENTO TO COLUSA, 6 FEET IN LOW WATER SEASON; COLUSA TO CHICO LANDING, 3 FEET; CHICO LANDING TO RED BLUFF 1.5 FEET. PROJECT DEPTH: 30 FEET FROM MOUTH OF RIVER TO CACHE SLOUGH; 30 FEET FROM CACHE SLOUGH TO WASHINGTON LAKE VIA SACRAMENTO RIVER DEEPWATER SHIP CHANNEL; 10 FEET FROM MOUTH OF CACHE SLOUGH TO SACRAMENTO VIA RIVER ROUTE; 6 FEET FROM SACRAMENTO TO COLUSA; 5 FEET FROM COLUSA TO CHICO LANDING; SUCH DEPTHS AS PRACTICABLE FROM CHICO LANDING TO RED BLUFF.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	2,044,519	1978-----	1,740,717
1974-----	1,485,044	1979-----	2,045,089
1975-----	1,704,843	1980-----	2,944,749
1976-----	1,754,951	1981-----	3,110,927
1977-----	1,602,291	1982-----	2,016,475

* PASSENGERS--11,359.

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND
TOTAL-----	2,016,475	167,087	1,400,935	202,593	98,350	62,830	4,600
0101 COTTON, RAW-----	43		43				
0105 RICE-----	511,001		412,651		98,350		
0107 WHEAT-----	363,201		363,201				
0119 OILSEEDS, NEC-----	2,315		2,315				
0129 FIELD CROPS, NEC-----	8		8				
0131 FRESH FRUITS-----	7		7				
0141 FRESH AND FROZEN VEGETABLES-----	64		64				
0161 ANIMALS AND PRODUCTS, NEC-----	22		22				
1002 SAND, GRAVEL, CRUSHED ROCK-----	4,600						4,600
1051 CLAY-----	4,630		4,630				
1099 NONMETALLIC MINERALS, NEC-----	11		11				
2002 DRIED MILK AND CREAM-----	480		480				
2054 VEGETABLES AND PREP, NEC-----	41		41				
2099 PREP FRUIT AND VEG JUICE, NEC-----	79		79				
2042 ANIMAL FEEDS-----	126,940		126,940				
2091 VEGETABLE OILS, MARC, SHORT-----	1,604		1,604				
2211 BASIC TEXTILE PRODUCTS-----	1	1					
2311 APPAREL-----	50	50					
2611 LUGS-----	2,000		2,000				
2616 WOOD CHIPS, STAVES, HOLDINGS-----	290,001		290,001				
2611 FURNITURE AND FIXTURES-----	1		1				
2631 PAPER AND PAPERBOARD-----	19,767	19,767					
2711 PRINTED MATTER-----	2	1	1				
2819 BASIC CHEMICALS AND PROD, NEC-----	171,062	16,947	1,810	153,297			
2821 PLASTIC MATERIALS-----	113	113					
2851 PAINTS-----	6		6				
2871 NITROGENOUS CHEM FERTILIZERS-----	179,016	130,826		49,296			
2873 PHOSPHATIC CHEM FERTILIZERS-----	35,164		35,164				
2874 INSECTICIDES, DISINFECTANTS-----	11		11				
2910 COKE, PETROLEUM COKE-----	237,400		237,400				
3011 RUBBER AND MISC PLASTIC PROD-----	1		1				
3111 LEATHER AND LEATHER PRODUCTS-----	13		13				
3211 GLASS AND GLASS PRODUCTS-----	5	5					
3291 STRUCTURAL CLAY PRODUCTS-----	8		8				
3291 MISC NONMETALLIC MINERAL PROD-----	30	30					
3319 IRON, STEEL SHAPES, EXC SHEET-----	23		23				
3411 FABRICATED METAL PRODUCTS-----	4	4					
3511 MACHINERY, EXCEPT ELECTRICAL-----	54		54				
3611 ELECTRICAL MACH AND EQUIP-----	12		12				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	12		12				
3911 MISC MANUFACTURED PRODUCTS-----	9	9					
4112 COMMODITIES, NEC-----	10	10					
4110 WATERWAY IMPROVEMENT MAT-----	62,830					62,830	
TOTAL TON-MILES, 63,744,846.							

SACRAMENTO, CA, DISTRICT

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

11

SECTION INCLUDED: A DEEPWATER SHIP CHANNEL FROM SUIBUN BAY TO THE INLAND HARBOR AT SACRAMENTO, A DISTANCE OF 43 MILES; A TRIANGULAR-SHAPED DEEP DRAFT HARBOR AND TURNING BASIN LOCATED AT WEST SACRAMENTO; A 1.5 MILE-LONG BARGE CANAL WITH NAVIGATION LOCK CONNECTING THE DEEP DRAFT HARBOR WITH THE SACRAMENTO RIVER. CONTROLLING DEPTH: 29 FEET IN THE DEEPWATER SHIP CHANNEL AND TRIANGULAR-SHAPED HARBOR AND TURNING BASIN; 13 FEET IN THE BARGE CANAL. PROJECT DEPTH: 30 FEET IN THE DEEPWATER SHIP CHANNEL AND TRIANGULAR-SHAPED HARBOR AND TURNING BASIN; 13 FEET IN THE BARGE CANAL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	1,612,356	1978-----	1,550,182
1974-----	1,390,789	1979-----	1,779,124
1975-----	1,695,400	1980-----	2,940,602
1976-----	1,622,149	1981-----	3,111,912
1977-----	1,481,220	1982-----	1,920,115

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	SHIPMENTS	INTERNAL INBOUND
TOTAL-----	1,920,115	167,087	1,480,955	156,981	98,350	24,762
0101 COTTON, RAW-----	43		43			
0105 RICE-----	511,001		412,651		98,350	
0107 WHEAT-----	363,281		363,281			
0119 OILSEEDS, NEC-----	2,315		2,315			
0129 FIELD CROPS, NEC-----	6		6			
0131 FRESH FRUITS-----	7		7			
0141 FRESH AND FROZEN VEGETABLES-----	64		64			
0161 ANIMALS AND PRODUCTS, NEC-----	22		22			
1451 CLAY-----	4,630		4,630			
1499 NONMETALLIC MINERALS, NEC-----	11		11			
2022 DRIED MILK AND CREAM-----	480		480			
2034 VEGETABLES AND PREP, NEC-----	41		41			
2039 PREP FRUIT AND VEG JUICE, NEC-----	70		70			
2042 ANIMAL FEEDS-----	124,948		124,948			
2091 VEGETABLE OILS, MARG, SHORT-----	1,604		1,604			
2211 BASIC TEXTILE PRODUCTS-----	1		1			
2311 APPAREL-----	50		50			
2411 LOGS-----	2,800		2,800			
2416 WOOD CHIPS, STAVES, MOULDINGS-----	294,001		294,001			
2511 FURNITURE AND FIXTURES-----	1		1			
2631 PAPER AND PAPERBOARD-----	19,767		19,767			
2711 PRINTED MATTER-----	2		1			
2819 BASIC CHEMICALS AND PROD, NEC-----	125,450	16,947	1,210	107,605		
2821 PLASTIC MATERIALS-----	113		113			
2851 PAINTS-----	6		6			
2871 NITROGENOUS CHEM FERTILIZERS-----	179,816	139,320		40,296		
2873 PHOSPHATIC CHEM FERTILIZERS-----	35,164		35,164			
2876 INSECTICIDES, DISINFECTANTS-----	11		11			
2920 COKE, PETROLEUM COKE-----	237,440		237,440			
3011 RUBBER AND MISC PLASTIC PROD-----	1		1			
3111 LEATHER AND LEATHER PRODUCTS-----	13		13			
3211 GLASS AND GLASS PRODUCTS-----	5		5			
3251 STRUCTURAL CLAY PRODUCTS-----	6		6			
3291 MISC NONMETALLIC MINERAL PROD-----	30		30			
3315 IRON, STEEL SHAPES, EXC SHEET-----	23		23			
3411 FABRICATED METAL PRODUCTS-----	4		4			
3511 MACHINERY, EXCEPT ELECTRICAL-----	54		54			
3611 ELECTRICAL MACH AND EQUIP-----	12		12			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	12		12			
3911 MISC MANUFACTURED PRODUCTS-----	9		9			
4112 COMMODITIES, NEC-----	18		18			
4118 WATERWAY IMPROVEMENT MAT-----	24,762					24,762
TOTAL TON-MILES, 78,037,473.						

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 DRYE. 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
1973-----	1,400,746	1978-----	1,657,631
1974-----	1,346,899	1979-----	2,830,770
1975-----	1,696,627	1980-----	2,940,602
1976-----	1,622,313	1981-----	3,111,925
1977-----	1,481,691	1982-----	1,940,965

* PASSENGERS--11,359.

Waterborne Commerce of the United States, 1982

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

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL.....	1,948,965	167,087	1,480,935	202,593	98,350
0101 COTTON, RAW.....	43		43		
0105 RICE.....	511,001		412,651		98,350
0107 WHEAT.....	363,281		363,281		
0110 OILSEEDS, NEC.....	2,315		2,315		
0120 FIELD CROPS, NEC.....	8		8		
0131 FRESH FRUITS.....	7		7		
0141 FRESH AND FROZEN VEGETABLES.....	60		64		
0161 ANIMALS AND PRODUCTS, NEC.....	22	22			
1051 CLAY.....	4,630		4,630		
1099 NONMETALLIC MINERALS, NEC.....	11		11		
2022 DRIED MILK AND CREAM.....	488		488		
2054 VEGETABLES AND PREP, NEC.....	41		41		
2059 PREP FRUIT AND VEG JUICE, NEC.....	79		79		
2062 ANIMAL FEEDS.....	124,948		124,948		
2091 VEGETABLE OILS, MARG, SHORT.....	1,604		1,604		
2211 BASIC TEXTILE PRODUCTS.....	1	1			
2311 APPAREL.....	50	50			
2411 LBS.....	2,800		2,800		
2416 WOOD CHIPS, STAVES, HOLDINGS.....	294,001		294,001		
2511 FURNITURE AND FIXTURES.....	1		1		
2631 PAPER AND PAPERBOARD.....	19,767	19,767			
2711 PRINTED MATTER.....	2	1	1		
2819 BASIC CHEMICALS AND PROD, NEC.....	171,062	16,547	1,218	153,297	
2821 PLASTIC MATERIALS.....	113	113			
2951 PAINTS.....	6		6		
2971 NITROGENOUS CHEM FERTILIZERS.....	179,816	130,520		49,296	
2973 PHOSPHATIC CHEM FERTILIZERS.....	35,168		35,168		
2976 INSECTICIDES, DISINFECTANTS.....	11		11		
2980 COKE, PETROLEUM COKE.....	237,440		237,440		
3011 RUBBER AND MISC PLASTIC PROD.....	1		1		
3111 LEATHER AND LEATHER PRODUCTS.....	13		13		
3211 GLASS AND GLASS PRODUCTS.....	5	5			
3291 STRUCTURAL CLAY PRODUCTS.....	8		8		
3291 MISC NONMETALLIC MINERAL PROD.....	30	30			
3315 IRON, STEEL SHAPES, EXC SHEET.....	23		23		
3411 FABRICATED METAL PRODUCTS.....	4	4			
3511 MACHINERY, EXCEPT ELECTRICAL.....	54		54		
3611 ELECTRICAL MACH AND EQUIP.....	12		12		
3711 MOTOR VEHICLES, PARTS, EQUIP.....	12		12		
3911 MISC MANUFACTURED PRODUCTS.....	9	9			
4112 COMMODITIES, NEC.....	18	18			

SAN 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 DEPTHS: MOUTH OF RIVER TO MORMON CHANNEL, STOCKTON, 29 FEET; OTHER CONNECTING CHANNELS, 2 FEET TO 9 FEET; TO EDISON STREET,
22 FEET. PROJECT DEPTHS: 30 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
1973.....	3,706,593	1978.....	2,638,922
1974.....	3,722,780	1979.....	3,104,550
1975.....	4,124,421	1980.....	3,929,171
1976.....	4,643,914	1981.....	3,883,148
1977.....	3,507,137	1982.....	2,759,139

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE	INTERNAL		
				RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND
TOTAL.....	2,759,139	641,962	1,166,855	225,320	51,669	640,093	6,982
0101 COTTON, RAW.....	4,967		6,967				
0107 WHEAT.....	518,483		518,483				
0120 FIELD CROPS, NEC.....	7		7				
0141 FRESH AND FROZEN VEGETABLES.....	2		2				
0861 FOREST PRODUCTS, NEC.....	26,000						26,000
0912 SHELLFISH, EXCEPT PREPARED.....	1					1	
1051 ALUMINUM ORES, CONCENTRATES.....	5,672	5,672					
1121 COAL AND LIGNITE.....	169,584		169,584				
1411 LIMESTONE.....	374,081	374,081					
1491 CLAY.....	21,948		21,948				
1491 PHOSPHATE ROCK.....	52,580	25,369		27,211			
1499 NATURAL FERTILIZER MATS, NEC.....	5,012	5,012					
1491 SALT.....	165,270					165,270	
1499 SULFUR, DRY.....	152,019		152,019				
1499 NONMETALLIC MINERALS, NEC.....	136		136				
2010 TALLOW, ANIMAL FATS AND OILS.....	882		882				

SACRAMENTO, CA, DISTRICT

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

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		INTERNAL	UPBOUND
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS		
2022 DRIED MILK AND CREAM	9,408		9,408				
2039 PREP FRUIT AND VEG JUICE, NEC	1		1				
2042 ANIMAL FEEDS	15,620		9,227	6,393			
2062 MOLASSES	18,755	18,755					
2081 ALCOHOLIC BEVERAGES	1		1				
2091 VEGETABLE OILS, MARG, SHORT	329		329				
2099 MISCELLANEOUS FOOD PRODUCTS	21		21				
2311 APPAREL	24	24					
2414 TIMBER, POSTS, POLES, PILING	200					200	
2491 WOOD MANUFACTURES, NEC	12		12				
2511 FURNITURE AND FIXTURES	30		30				
2631 PAPER AND PAPERBOARD	2		2				
2810 SODIUM HYDROXIDE	13,500			13,500			
2819 BASIC CHEMICALS AND PROD, NEC	222,787	114,704	3,472	52,942	51,669		
2821 PLASTIC MATERIALS	12		12				
2851 PAINTS	7		7				
2871 NITROGENOUS CHEM FERTILIZERS	169,799	61,516		108,283			
2879 FERTILIZER AND MATERIALS, NEC	5,848	5,848					
2891 MISCELLANEOUS CHEMICAL PROD	32		32				
2912 JET FUEL	16,999			16,999			
2915 RESIDUAL FUEL OIL AND GREASES	52,474				46,432	6,242	
2916 LUBRICATING OILS AND GREASES	25		25				
2920 COKE, PETROLEUM COKE	247,408		247,408				
3011 RUBBER AND MISC PLASTIC PROD	2	1	1				
3241 BUILDING CEMENT	18,287	17,637			650		
3251 STRUCTURAL CLAY PRODUCTS	21		21				
3291 MISC NONMETALLIC MINERAL PROD	785	35				500	250
3315 IRON, STEEL SHAPES, EXC SHEET	13,202	13,202					
3316 IRON AND STEEL PLATES, SHEETS	68		68				
3323 LEAD AND ZINC, UNWORKED	1		1				
3411 FABRICATED METAL PRODUCTS	1,754	70	468		1,176	68	
3511 MACHINERY, EXCEPT ELECTRICAL	374		374				
3611 ELECTRICAL MACH AND EQUIP	37	32	5				
3721 AIRCRAFT AND PARTS	1		1				
3811 INSTR, TIME PHOTO, OPT GOODS	2		2				
3911 MISC MANUFACTURED PRODUCTS	4		4				
4011 IRON AND STEEL SCRAP	25,793		25,793				
4110 WATERWAY IMPROVEMENT MAT	426,564				426,564		
9999 DEPARTMENT OF DEFENSE AND SCJ	106		106				
TOTAL TON-MILES, 60,312,810.							

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

SECTION INCLUDED: HARBOR AT STOCKTON (AND VICINITY). CONTROLLING DEPTHS: 20 FEET IN STOCKTON CHANNEL UP TO MOUTH OF MORMON CHANNEL; 8 FEET IN MORMON CHANNEL; 6 FEET IN FREMONT CHANNEL, MCLEOD LAKE AND IN THE HEAD OF STOCKTON CHANNEL. PROJECT DEPTHS: (INCLUDED IN SAN JOAQUIN RIVER PROJECT).

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973	1,806,500	1978	1,954,482
1974	1,476,216	1979	1,617,500
1975	1,856,470	1980	1,995,435
1976	1,469,985	1981	1,950,947
1977	1,520,991	1982	1,335,121

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE	INTERNAL
TOTAL	1,335,121	247,619	915,129	179,947	1,426
0101 COTTON, RAW	6,967		6,967		
0107 WHEAT	518,483		518,483		
0129 FIELD CROPS, NEC	7		7		
0141 FRESH AND FROZEN VEGETABLES	2		2		
1121 COAL AND LIGNITE	152,942		152,942		
1451 CLAY	21,948		21,948		
1471 PHOSPHATE ROCK	52,500		25,369	27,211	
1879 NATURAL FERTILIZER MATS, NEC	5,012		5,012		
1892 SULPHUR, DRY	152,019		152,019		
1899 NONMETALLIC MINERALS, NEC	136		136		
2014 TALLOW, ANIMAL FATS AND OILS	882		882		
2022 DRIED MILK AND CREAM	9,408		9,408		
2039 PREP FRUIT AND VEG JUICE, NEC	1		1		
2042 ANIMAL FEEDS	15,620		9,227	6,393	
2062 MOLASSES	18,755	18,755			
2081 ALCOHOLIC BEVERAGES	1		1		
2091 VEGETABLE OILS, MARG, SHORT	329		329		
2099 MISCELLANEOUS FOOD PRODUCTS	21		21		
2311 APPAREL	24	24			

Waterborne Commerce of the United States, 1982

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

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL RECEIPTS
2491 WOOD MANUFACTURES, NEC-----	12	-----	12	-----	-----
2511 FURNITURE AND FIXTURES-----	30	-----	30	-----	-----
2631 PAPER AND PAPERBOARD-----	2	-----	2	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	129,606	114,153	3,472	12,061	-----
2821 PLASTIC MATERIALS-----	12	-----	12	-----	-----
2831 PAINTS-----	7	-----	7	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	155,799	47,516	-----	108,283	-----
2879 FERTILIZER AND MATERIALS, NEC-----	5,848	5,848	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	13	-----	13	-----	-----
2912 JET FUEL-----	16,999	-----	-----	16,999	-----
2916 LUBRICATING OILS AND GREASES-----	25	-----	25	-----	-----
2920 COKE, PETROLEUM COKE-----	12,768	-----	12,768	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	1	-----	1	-----	-----
3201 BUILDING CEMENT-----	17,637	17,637	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	21	-----	21	-----	-----
3301 MISC NONMETALLIC MINERAL PROD-----	250	-----	-----	-----	250
3315 IRON, STEEL SHAPES, EXC SHEET-----	13,202	13,202	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	68	-----	68	-----	-----
3325 LEAD AND ZINC, UNWORKED-----	1	-----	1	-----	-----
3411 FABRICATED METAL PRODUCTS-----	1,712	68	468	-----	1,176
3511 MACHINERY, EXCEPT ELECTRICAL-----	56	-----	56	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	37	32	5	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	2	-----	2	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	3	3	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	25,793	-----	25,793	-----	-----

SACRAMENTO, CA, DISTRICT

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OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS PILES	PASSENGERS
PROJECT				
MIDDLE RIVER, CALIF.,-----	NO COMMERCE REPORTED			
WOKELUMKE RIVER, CALIF.,-----	NO COMMERCE REPORTED			
OLD RIVER, CALIF.,-----	NO COMMERCE REPORTED			

SAN FRANCISCO, CA, DISTRICT

TOTAL WATERBORNE COMMERCE OF THE SAN FRANCISCO BAY AND DELTA AREAS

CALENDAR YEAR 1982

(SHORT TONS)

LOCALITY	FOREIGN		DOMESTIC				TOTAL	PERCENT	THROUGH TRAFFIC
	IMPORTS	EXPORTS	COASTWISE		INTERNAL RECEIPTS AND SHIPMENTS	LOCAL			
			RECEIPTS	SHIPMENTS					
SAN RAFAEL CREEK, CALIF.					2		2	.01	
PETALUMA RIVER, CALIF.					40,674		40,674	.06	
NAPA RIVER, CALIF.					207,708		207,708	.32	
CARQUINEZ STRAIT, CALIF.	678,927	797,473	9,312,676	4,688,231	2,959,272	274,966	18,891,545	29.24	6,914,364
SUISUN BAY CHANNEL, CALIF.	40,698	82,570	602,376	1,096,382	440,857		2,262,271	3.51	4,775,572
SUISUN CHANNEL, CALIF.					26,208		26,208	.04	
SACRAMENTO RIVER, CALIF.	167,087	1,480,935	202,593	98,350	67,510		2,816,475	3.12	
SAN JOAQUIN RIVER, CALIF. AND TRIG.	641,962	1,166,855	225,328	51,669	647,075	26,250	2,759,139	4.28	
SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.	343,146	103,874	1,841,255	1,434,825	366,406	1,764,122	5,853,628	9.07	25,326,294
RICHMOND HARBOR, CALIF.	1,513,548	1,061,076	5,786,251	3,661,645	3,082,296	289,881	15,394,697	23.86	
OAKLAND HARBOR, CALIF.	1,006,259	3,001,970	443,678	809,763	916,425	5,039	6,985,134	10.82	
NEWARK BLOUGH, CALIF.									
COYOTE HILL BLOUGH, CALIF.									
ALVISO BLOUGH, CALIF.									
REDWOOD CITY HARBOR, CALIF.	1	207,618		233,654	112,088		553,361	.86	
SAN FRANCISCO HARBOR, CALIF.	701,345	629,235			324,197		1,654,777	2.56	
SAN FRANCISCO BAY, OTHER PORTS, CALIF.	20,985	180,462	2,962,327	57,685	4,659,358	3,926	7,884,723	12.22	
BERKELEY, CALIF.					21		21	.01	
TOTAL (UNADJUSTED)	5,915,358	8,712,056	21,376,484	12,332,204	13,830,077	2,364,184	64,530,363		37,014,216
PERCENT (UNADJUSTED)	9.17	13.50	33.13	19.11	21.63	3.66		100.00	
NET VOLUME OF TONNAGE FOR THE AREA	5,915,358	8,712,056	21,376,484	12,332,204	6,922,629	2,364,184	57,622,915		
PERCENT (ADJUSTED)	10.27	15.12	37.10	21.40	12.01	4.10		100.00	

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

** TRIBUTARIES TO SAN JOAQUIN RIVER INCLUDE MODELUMNE, 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
	UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND	
1973	15,140,644	6,499,133	15,103,573	11,415,944	40,578,744	1978	11,508,743	6,430,775	20,273,694	13,966,191	32,377,483
1974	12,811,341	6,607,263	14,725,973	10,066,103	44,210,680	1979	10,263,721	6,332,062	22,401,040	14,845,334	35,448,177
1975	12,442,605	7,128,013	14,549,210	9,787,956	43,907,864	1980	8,765,796	10,543,058	20,799,552	17,888,162	37,099,568
1976	17,144,903	6,092,436	13,955,804	11,197,204	48,390,345	1981	6,789,674	10,649,681	20,467,336	17,740,333	35,667,026
1977	23,341,389	6,205,983	13,596,097	13,040,045	56,183,514	1982	5,915,358	8,712,056	18,565,931	15,157,037	48,351,282

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, 52.6 FEET; PRESIDIO SHOAL, 35.5 FEET; BLACK POINT SHOAL, 37.5 FEET; RINCON REEF ROCK (INNER), 41 FEET; RINCON REEF (OUTER), 42.5 FEET; BLOSSOM ROCK, 40 FEET; ALCATRAZ SHOAL, 34.8 FEET; ARCH, HARDING ROCKS, 36.7 FEET; SHAG ROCKS 1 AND 2, 36.9 FEET; POINT KNOX SHOAL, 30.2 FEET; ISLAIS CREEK SHOAL, 32.3 FEET; CHANNEL AND BASIN AT SAN FRANCISCO AIRPORT, 8.8 FEET IN THE MAINTAINED 800-FOOT WIDE SOUTHERLY PORTION; 8 FEET IN THE MAINTAINED PORTION OF TURNING BASIN, 8.4 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 KNOX 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		
			CAN FERRY-RAILROAD CARS						CAN FERRY-RAILROAD CARS		
			EMPTY	LOADED	TOTAL				EMPTY	LOADED	TOTAL
1973--	4,405,745	27,630	16,758	20,917	37,675	1978--	2,317,565	33,253	8,750	9,522	18,272
1974--	3,913,071	16,666	9,890	12,338	22,228	1979--	2,353,799	-----	3,650	4,268	7,918
1975--	2,479,188	27,026	6,197	6,471	12,668	1980--	1,752,193	-----	23,134	28,327	47,461
1976--	1,956,437	25,196	9,316	10,475	19,793	1981--	1,567,985	1,707,174	2,160	2,304	4,464
1977--	1,931,693	27,030	8,603	9,658	18,261	1982--	1,654,777	2,141,582	1,403	1,400	2,803

SAN FRANCISCO, CA, DISTRICT

SAN FRANCISCO HARBOR, CALIF.--CONTINUED

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FREIGHT TRAFFIC, 1962

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC INTERNAL	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	1,654,777	701,345	629,235	316,420	7,377
0101 COTTON, RAW-----	14,505		14,505		
0102 BARLEY AND RYE-----	42		42		
0103 CORN-----	1,854		1,854		
0104 OATS-----	33	19	14		
0105 RICE-----	8,312	1,117	7,195		
0106 SORGHUM GRAINS-----	221		221		
0107 WHEAT-----	137,513		137,513		
0111 SOYBEANS-----	286		286		
0119 OILSEEDS, NEC-----	769	601	168		
0121 TOBACCO, LEAF-----	112	10	102		
0129 FIELD CROPS, NEC-----	2,117	160	1,957		
0131 FRESH FRUITS-----	5,722	151	5,571		
0132 BANANAS AND PLANTAINS-----	1,466	1,466			
0133 COFFEE-----	72,087	71,119	968		
0134 COCOA BEANS-----	7,956	7,881	75		
0141 FRESH AND FROZEN VEGETABLES-----	7,179	129	7,050		
0151 LIVE ANIMALS-----	7		7		
0161 ANIMALS AND PRODUCTS, NEC-----	1,129	950	179		
0191 MISCELLANEOUS FARM PRODUCTS-----	45	31	14		
0841 CRUDE RUBBER AND ALLIED GUMS-----	2,305	2,303	2		
0861 FOREST PRODUCTS, NEC-----	835	790	45		
0911 FRESH FISH, EXCEPT SHELLFISH-----	11,450	277	1,159	10,014	
0912 SHELLFISH, EXCEPT PREPARED-----	1,708	774	869		
1051 ALUMINUM ORES, CONCENTRATES-----	3,850	3,757	93		
1091 NONFERROUS ORES, CONCENT, NEC-----	618	608	10		
1121 COAL AND LIGNITE-----	275		275		
1411 LIMESTONE-----	140		140		
1442 SAND, GRAVEL, CRUSHED ROCK-----	104,890	11,067	828	92,995	
1451 CLAY-----	1,039	629	410		
1491 SALT-----	65		65		
1492 SULPHUR, DRY-----	15		15		
1499 NONMETALLIC MINERALS, NEC-----	10,469	2	10,467		
1911 ORDNANCE AND ACCESSORIES-----	369	85	284		
2011 MEAT, FRESH, CHILLED, FROZEN-----	21,604	17,612	3,994		
2012 MEAT AND PRODUCTS, NEC-----	8,485	8,000	485		
2014 TALLOW, ANIMAL FATS AND OILS-----	19,196		19,196		
2015 ANIMAL BY-PRODUCTS, NEC-----	806	40	766		
2021 DAIRY PRODUCTS, NEC-----	762	206	556		
2022 DRIED MILK AND CREAM-----	6,847	1	6,846		
2031 FISH AND SHELLFISH, PREPARED-----	3,540	2,777	763		
2034 VEGETABLES AND PREP, NEC-----	20,036	10,154	9,884		
2039 PREP FRUIT AND VEG JUICE, NEC-----	28,724	6,240	22,484		
2041 WHEAT FLOUR AND SEMOLINA-----	870		870		
2042 ANIMAL FEEDS-----	17,667	3,909	13,758		
2049 GRAIN MILL PRODUCTS, NEC-----	1,801	996	805		
2061 SUGAR-----	65	10	55		
2062 MOLASSES-----	6		6		
2081 ALCOHOLIC BEVERAGES-----	5,459	1,393	4,066		
2091 VEGETABLE OILS, MARG, SHORT-----	98,603	88,201	10,402		
2092 ANIMAL OILS AND FATS, NEC-----	11	2	9		
2099 MISCELLANEOUS FOOD PRODUCTS-----	35,042	15,743	19,299		
2111 TOBACCO MANUFACTURES-----	253	4	249		
2211 BASIC TEXTILE PRODUCTS-----	14,941	14,115	826		
2212 TEXTILE FIBERS, NEC-----	380	216	174		
2311 APPAREL-----	14,088	13,965	123		
2411 LOTS-----	4,786	3	4,783		
2413 FUEL WOOD, CHARCOAL, WASTES-----	20		20		
2414 TIMBER, POSTS, POLES, PILING-----	120		20	100	
2416 WOOD CHIPS, STAVES, MOLDINGS-----	317		317		
2421 LUMBER-----	11,630	5,111	6,519		
2431 VENEER, PLYWOOD, WORKED WOOD-----	2,398	594	1,804		
2491 WOOD MANUFACTURES, NEC-----	4,647	930	3,717		
2511 FURNITURE AND FIXTURES-----	3,517	3,037	480		
2611 PULP-----	538	153	385		
2631 PAPER AND PAPERBOARD-----	207,931	209,936	1,995		
2691 PULP AND PAPER PRODUCTS, NEC-----	4,009	241	3,768		
2711 PRINTED MATTER-----	2,128	1,291	837		
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	11		11		
2812 DYES, PIGMENT, TANNING MATS-----	67		67		
2816 RADIOACTIVE MATERIALS, WASTES-----	3		3		
2819 BASIC CHEMICALS AND PROD, NEC-----	53,689	13,234	40,455		
2821 PLASTIC MATERIALS-----	70,042	774	69,268		
2822 SYNTHETIC RUBBER-----	1,499		1,499		
2823 SYNTHETIC (MAN-MADE) FIBERS-----	280	275	5		
2831 DRUGS-----	978	683	295		
2841 SOAP-----	6,147	789	5,358		
2851 PAINTS-----	6,687	6,094	589		
2861 GUM AND WOOD CHEMICALS-----	1		1		
2871 NITROGENOUS CHEM FERTILIZERS-----	60	20	40		
2872 POTASSIC CHEM FERTILIZERS-----	39		39		
2876 INSECTICIDES, DISINFECTANTS-----	1,400	74	1,326		
2879 FERTILIZER AND MATERIALS, NEC-----	1,068	100	968		
2891 MISCELLANEOUS CHEMICAL PROD-----	11,276	4,442	6,834		
2911 GASOLINE-----	52,121	40,657	56	11,408	
2912 JET FUEL-----	3,257			3,257	
2914 DISTILLATE FUEL OIL-----	21,234			21,234	
2915 RESIDUAL FUEL OIL-----	199,123		18,206	177,150	3,767
2916 LUBRICATING OILS AND GREASES-----	7,569		5,203	586	1,800
2918 ASPHALT, TAR, AND PITCHES-----	65	1	64		
2920 COKE, PETROLEUM COKE-----	716	5	713		
2921 LIQUEFIED GASES-----	55		55		
2991 ASPHALT BUILDING MATERIALS-----	459		459		

Waterborne Commerce of the United States, 1982

SAN FRANCISCO HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC INTERNAL	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
2991 PETROLEUM AND COAL PROD, NEC-----	159	92	67	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	4,926	2,773	2,153	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	27,494	2,501	24,993	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	3,975	2,137	1,838	-----	-----
3241 BUILDING CEMENT-----	127	-----	127	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	4,425	659	3,766	-----	-----
3291 CUT STONE AND STONE PRODUCTS-----	189	162	27	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	6,407	4,244	2,163	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	75	70	5	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	10,079	9,623	456	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	2,016	-----	2,016	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	3,079	1,921	1,158	-----	-----
3318 FERROALLOYS-----	2,217	603	1,614	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	698	732	166	-----	-----
3321 NONFERROUS METALS, NEC-----	1,233	604	629	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	261	174	87	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	1,636	1,632	4	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,604	2,115	489	-----	-----
3411 FABRICATED METAL PRODUCTS-----	51,442	40,263	3,179	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	56,775	14,292	42,483	10	10
3611 ELECTRICAL MACH AND EQUIP-----	13,254	9,193	8,041	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	32,697	22,820	9,877	-----	-----
3721 AIRCRAFT AND PARTS-----	51	2	49	-----	-----
3731 SHIPS AND BOATS-----	623	451	172	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	516	19	499	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,293	233	1,060	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	6,239	9,653	504	-----	-----
4011 IRON AND STEEL SCRAP-----	4,840	44	4,816	-----	-----
4012 NONFERROUS METAL SCRAP-----	6,906	65	6,841	-----	-----
4022 TEXTILE WASTE, SCRAP, SKEEP-----	228	-----	228	-----	-----
4024 PAPER WASTE AND SCRAP-----	24,012	329	23,683	-----	-----
4111 WATER-----	1,800	-----	-----	-----	1,800
4112 COMMODITIES, NEC-----	2,659	1,981	669	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	884	-----	884	-----	-----

REDWOOD CITY HARBOR, CALIF.

SECTION INCLUDED: CHANNEL 500 FEET WIDE AND ABOUT 4 MILES LONG ACROSS SAN BRUNO SHOAL; A CHANNEL FROM DEEP WATER IN SAN FRANCISCO BAY TO STEINBERGER SLOUGH. CONTROLLING DEPTH: 29.4 FEET IN SAN BRUNO SHOAL CHANNEL; 21.9 FEET IN SAN FRANCISCO BAY TO BEACON NO. 8; 26.4 FEET TO BEACON NO. 15 AND BEGINNING OF (OUTER) TURNING BASIN NO. 1; 19.9 FEET IN TURNING BASIN NO. 1; 30.4 FEET TO (UPPER) TURNING BASIN NO. 2; 23.7 FEET IN TURNING BASIN; 1.2 FEET TO HEAD OF NAVIGATION. PROJECT DEPTH: 50 FEET IN SAN BRUNO SHOAL CHANNEL; 50 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
1973-----	467,967	1978-----	474,131
1974-----	447,135	1979-----	775,379
1975-----	429,211	1980-----	951,242
1976-----	395,614	1981-----	827,459
1977-----	410,293	1982-----	553,361

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC INTERNAL	
		IMPORTS	EXPORTS	SHIPMENTS	RECEIPTS
TOTAL-----	553,361	1	207,610	233,654	112,086
0911 FRESH FISH, EXCEPT SHELLFISH-----	1	-----	-----	-----	1
1402 SAND, GRAVEL, CRUSHED ROCK-----	108,542	-----	-----	-----	108,542
1491 SALT-----	134,562	-----	98,562	36,000	-----
2912 JET FUEL-----	3,545	-----	-----	-----	3,545
3241 BUILDING CEMENT-----	197,654	-----	-----	197,654	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1	1	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	109,056	-----	109,056	-----	-----
TOTAL TON-MILES, 1,085,039.					

SAN FRANCISCO, CA, DISTRICT

OAKLAND HARBOR, CALIF.

19

SECTION INCLUDED: OUTER AND INNER HARBOR FROM DEEP WATER IN SAN FRANCISCO BAY TO SAN LEANDRO BAY, A DISTANCE OF 6.5 MILES. CONTROLLING DEPTH: 31.9 FEET IN THE ENTRANCE CHANNEL OF THE OUTER HARBOR TO BART TUBE; 28.6 TO ALBERS HILL; 32.5 TO BHD 5; 29.9 FEET IN THE ENTRANCE CHANNEL TO THE INNER HARBOR; 31.2 FEET IN INNER HARBOR TO FOOT OF PIERO STREET; 32.0 FEET TO POSEY TUBE; 32.0 FEET AT POSEY TUBE; 33.3 FEET TO FORTMANN BASIN; 17 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			YEAR	TONS	ADDITIONAL TRAFFIC		
		CAN PENNY-RAILROAD CARS					CAN PENNY-RAILROAD CARS		
		EMPTY	LOADED	TOTAL			EMPTY	LOADED	TOTAL
1973	7,414,679	7,239	8,448	15,687	1978	6,937,246	5,051	5,732	10,783
1974	6,811,770	6,392	7,785	14,177	1979	6,840,202			
1975	6,186,833	5,524	6,101	11,625	1980	7,313,533			
1976	6,634,278	4,955	5,601	10,556	1981	7,388,653			
1977	6,828,938	4,820	5,945	10,765	1982	6,985,134			

* PASSENGERS--15,940.

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	6,985,134	1,808,259	3,001,970	443,678	869,763	910,838	5,587	5,039
0101 COTTON, RAW	368,156		368,156					
0102 BARLEY AND RYE	201	15	273		3			
0103 CORN	5,407		5,372		35			
0104 OATS	4							
0105 RICE	50,342	2,382	11,973		36,007			
0106 BORGHUN GRAIN	2,319		2,293		26			
0107 WHEAT	1,213		1,213					
0111 SOYBEANS	791		791					
0119 OILSEEDS, NEC	11,354	437	10,917					
0121 TOBACCO, LEAF	15,910	15,605	129	176				
0122 HAY AND FODDER	20				20			
0129 FIELD CROPS, NEC	3,119	693	2,426					
0131 FRESH FRUITS	130,006	321	94,862	31,510	3,313			
0132 BANANAS AND PLANTAINS	197	197						
0133 COFFEE	65,531	57,703	3,768	1,519	2,541			
0134 COCOA BEANS	1,576	1,576						
0141 FRESH AND FROZEN VEGETABLES	106,043	2,132	68,675	185	39,051			
0151 LIVE ANIMALS	931			202	729			
0161 ANIMALS AND PRODUCTS, NEC	12,813	1,286	9,180		1,787			
0191 MISCELLANEOUS FARM PRODUCTS	1,272	568	219	481	9			
0241 CRUDE RUBBER AND ALLIED GUMS	3,691	3,611	280					
0261 FOREST PRODUCTS, NEC	7,583	1,678	3,671	261	1,973			
0311 FRESH FISH, EXCEPT SMELT/FISH	19,114	1,608	15,125			2,581		
0312 SMELT/FISH, EXCEPT PREPARED	8,574	3,256	4,799	39	565	5		
0314 IRON ORE AND CONCENTRATES	94		94					
0351 ALUMINUM ORES, CONCENTRATES	8,019	5,448	2,371					
0391 NONFERROUS ORES, CONCENT, NEC	5,703	766	3,548		1,389			
1121 COAL AND LIGNITE	1,034		1,095		39			
1311 CRUDE PETROLEUM	5	5						
1411 LIMESTONE	1,304	7	1,299					
1412 BUILDING STONE, UNWORKED	866		866					
1422 SAND, GRAVEL, CRUSHED ROCK	354,344	40	2,834			351,470		
1451 CLAY	16,971	854	10,117					
1491 GALT	8,062	2	1,707		4,353			
1492 SULPHUR, DRY	2,553		2,553					
1494 SYSPUM, CRUDE AND PLASTERS	498				490			
1499 NONMETALLIC MINERALS, NEC	50,022	2,583	46,850	2	627			
2011 ORDINANCE AND ACCESSORIES	2,243	1,279	829		135			
2012 MEAT, FRESH, CHILLED, FROZEN	119,465	12,217	77,276	571	29,401			
2013 MEAT AND PRODUCTS, NEC	6,684	3,144	3,540					
2014 TALLOW, ANIMAL FATS AND OILS	15,940		15,940					
2015 ANIMAL BY-PRODUCTS, NEC	88,473	133	88,223	117				
2021 DAIRY PRODUCTS, NEC	9,088	2,005	1,292		6,688			
2022 DRIED MILK AND CREAM	11,402	232	11,170					
2031 FISH AND SMELT/FISH, PREPARED	15,332	11,560	3,764					
2034 VEGETABLES AND PREP, NEC	130,302	25,347	50,197	3,023	50,735			
2039 PREP FRUIT AND VEG JUICE, NEC	416,188	132,714	109,260	174,022	4,192			
2041 WHEAT FLOUR AND SEMOLINA	9,015		1,922		7,093			
2042 ANIMAL FEEDS	170,656	980	124,678		45,078			
2049 GRAIN MILL PRODUCTS, NEC	13,884	5,883	7,048		1,498			
2061 SUGAR	18,961	240	13,293		1,550			
2062 MOLASSES	90,276		99	90,177				
2081 ALCOHOLIC BEVERAGES	172,446	75,739	34,850		61,884			
2091 VEGETABLE OILS, MARG, SHORT	67,852	9,364	58,220		4,268			
2092 ANIMAL OILS AND FATS, NEC	121	101	20					
2094 GROCERIES	51,502			94	51,408			
2099 MISCELLANEOUS FOOD PRODUCTS	160,756	30,394	116,882	1,606	11,594			
2111 TOBACCO MANUFACTURES	12,010	3,889	8,069		56			
2211 BASIC TEXTILE PRODUCTS	56,178	17,027	8,403		30,742			
2212 TEXTILE FIBERS, NEC	29,562		29,377		185			
2311 APPAREL	70,677	68,889	1,569	184	38			
2411 LUMBER	7,204	19	7,265					
2412 FUEL WOOD, CHARCOAL, WASTES	1,033	31	230	31	735			
2414 TIMBER, POSTS, POLES, PILING	579		568		9			
2416 WOOD CHIPS, STAVES, MOLDINGS	11,232	14	11,218					
2421 LUMBER	80,707	3,095	74,598	161	2,849			
2431 VENEER, PLYWOOD, WORKED WOOD	15,549	12,589	1,417		1,534			

Waterborne Commerce of the United States, 1982

OAKLAND HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2491 WOOD MANUFACTURES, NEC-----	28,416	12,780	13,897	10	1,729			
2511 FURNITURE AND FIXTURES-----	45,713	25,239	1,784	10,262	8,468			
2611 PULP-----	19,527	3,632	15,895					
2631 PAPER AND PAPERBOARD-----	49,935	12,962	49,618	63	7,292			
2691 PULP AND PAPER PRODUCTS, NEC-----	46,627	2,249	28,601		15,777			
2711 PRINTED MATTER-----	16,561	5,135	5,451		5,975			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	14		14					
2812 DYES, PIGMENT, TANNING MATS-----	678		678					
2813 ALCOHOLS-----	403		45	334	24			
2816 RADIOACTIVE MATERIALS, WASTES-----	323		285	38				
2819 BASIC CHEMICALS AND PROD, NEC-----	134,144	15,163	113,157	3	5,821			
2821 PLASTIC MATERIALS-----	191,317	16,179	178,171		967			
2822 SYNTHETIC RUBBER-----	17,878		17,878					
2823 SYNTHETIC (MAN-MADE) FIBERS-----	14,864	1,135	13,272	220	237			
2831 DRUGS-----	8,146		6,484	9	52			
2841 SOAP-----	21,420	878	13,374	6	7,162			
2851 PAINTS-----	18,726	5,524	7,285	20	3,897			
2911 GUM AND WOOD CHEMICALS-----	5,154	248	4,906					
2971 NITROGENOUS CHEM FERTILIZERS-----	10,618	60	988		9,570			
2972 POTASSIC CHEM FERTILIZERS-----	988		357		631			
2973 PHOSPHATIC CHEM FERTILIZERS-----	1,116	107	1,009					
2974 INSECTICIDES, DISINFECTANTS-----	12,402	1,080	10,519		803			
2979 FERTILIZER AND MATERIALS, NEC-----	2,579	690	1,365		524			
2991 MISCELLANEOUS CHEMICAL PROD-----	42,950	2,318	35,620	3,893	1,119			
2911 GASOLINE-----	57,527	19,972	1,215	35,405	935			
2912 JET FUEL-----	3,219					3,219		
2913 KEROSENE-----	240		240					
2914 DISTILLATE FUEL OIL-----	13,469					13,425		
2915 RESIDUAL FUEL OIL-----	543,721	9			166	533,290	1,209	5,039
2916 LUBRICATING OILS AND GREASES-----	34,800	52	26,088	8,397	263			
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1				1			
2918 ASPHALT, TAR, AND BITUMES-----	3,828		637		2,991			
2920 COKE, PETROLEUM COKE-----	45,973	8	45,965					
2921 LIQUEFIED GASES-----	601		601					
2951 ASPHALT BUILDING MATERIAL-----	2,635		1,281	39	1,375			
2991 PETROLEUM AND COAL PROD, NEC-----	20,165	109	3,897		12,091	4,358		
3011 RUBBER AND MISC PLASTIC PROD-----	56,147	43,081	10,794	191	2,081			
3111 LEATHER AND LEATHER PRODUCTS-----	65,605	52,368	13,144	84	7			
3211 GLASS AND GLASS PRODUCTS-----	25,080	11,129	7,827	16	6,108			
3241 BUILDING CEMENT-----	1,784	223	1,080		473			
3251 STRUCTURAL CLAY PRODUCTS-----	11,923	8,146	2,630		1,139			
3271 LIME-----	204		116		90			
3281 CUT STONE AND STONE PRODUCTS-----	3,869	3,605	63		201			
3291 MISC NONMETALLIC MINERAL PROD-----	78,225	44,722	8,731	516	23,756	500		
3312 SLAG-----	88				88			
3314 IRON AND STEEL PRIMARY FORMS-----	3,024	575	13	20	2,416			
3315 IRON, STEEL SHAPES, EXC SHEET-----	442,932	440,246	2,512		174			
3316 IRON AND STEEL PLATES, SHEETS-----	12,624	2,504	7,172	21	2,927			
3317 IRON AND STEEL PIPE AND TUBE-----	98,417	88,878	6,286	23	3,230			
3318 FERROALLOYS-----	2,702	2,093	609					
3319 IRON AND STEEL PRODUCTS, NEC-----	6,091	1,718	1,812		2,561			
3321 NONFERROUS METALS, NEC-----	14,832	1,979	9,425		3,428			
3322 COPPER ALLOYS, UNWORKED-----	16,085	3,836	12,249					
3323 LEAD AND ZINC, UNWORKED-----	2,300	1,311	878		111			
3324 ALUMINUM AND ALLOYS, UNWORKED-----	17,074	10,189	6,826		57			
3411 FABRICATED METAL PRODUCTS-----	138,624	81,062	28,662	3,066	24,715	1,119		
3511 MACHINERY, EXCEPT ELECTRICAL-----	201,471	89,532	99,386	6,567	5,936	30	20	
3611 ELECTRICAL MACH AND EQUIP-----	142,138	99,734	36,812	921	4,671			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	114,545	54,194	23,294	6,610	30,447			
3721 AIRCRAFT AND PARTS-----	534	40	467	1	28			
3731 SHIPS AND BOATS-----	2,562	1,775	549	116	122			
3791 MISC TRANSPORTATION EQUIPMENT-----	2,711	99	1,357	787	468			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	26,295	15,155	11,075	64	1			
3911 MISC MANUFACTURED PRODUCTS-----	100,701	83,049	5,057	3,192	9,403			
4011 IRON AND STEEL SCRAP-----	307,621	2,755	302,279	2,587				
4012 NONFERROUS METAL SCRAP-----	54,658	372	54,244	42				
4022 TEXTILE WASTE, SCRAP, SHEEP-----	4,311		4,307					
4024 PAPER WASTE AND SCRAP-----	193,292		193,180	112				
4112 COMMODITIES, NEC-----	262,062	18,181	3,597	48,191	192,093			
4118 WATERWAY IMPROVEMENT MAT-----	1,791				1,791			
4119 EMPTY CONTAINERS-----	2,952			2,901	51			
9999 DEPARTMENT OF DEFENSE AND SCI-----	6,602		6,602					

SAN FRANCISCO, CA, DISTRICT

RICHMOND HARBOR, CALIF.

21

SECTION INCLUDED: INNER HARBOR, FROM DEEP WATER IN SAN FRANCISCO BAY TO THE HEAD OF SANTA FE CHANNEL, A DISTANCE OF ABOUT 5 MILES; OUTER HARBOR, FROM POINT RICHMOND TO POINT SAN PABLO AND THE NORTH SIDE OF POINT SAN PABLO; INCLUDES A CONNECTING CHANNEL TO THE RICHMOND LONG WHARF AND APPROACH AREA AND APPROACH AREAS AT POINT SAN PABLO AND POINT ORIENT. CONTROLLING DEPTHS: 34.0 FEET IN SOUTHAMPTON CHANNEL AND IN CONNECTING CHANNEL FROM SAN FRANCISCO BAY TO WHARF APPROACH AREA; 34.0 FEET IN APPROACH AREA TO RICHMOND LONG WHARF; 30.0 FEET TO TURNING BASIN, POINT RICHMOND; 29.0 FEET IN TURNING BASIN; 29.0 FEET TO POINT POTRERO; 31.3 FEET IN TURNING BASIN AT POINT POTRERO; POINT POTRERO (SOUTHERLY APEX ONLY) 20.7 FEET; 31.0 FEET TO LAURITZEN CANAL THENCE 24.8 FEET IN SANTA FE CHANNEL TO UPPER TURNING BASIN; 24.7 FEET IN UPPER TURNING BASIN; 26.5 FEET IN APPROACH TO POINT ORIENT; 24.5 FEET IN APPROACH TO POINT SAN PABLO; 30.6 FEET AT MOLATE POINT; AND 33.4 FEET IN WEST RICHMOND CHANNEL. PROJECT DEPTH: 35 FEET IN CONNECTING CHANNEL FROM SAN FRANCISCO BAY TO WHARF APPROACH AREA; 45 FEET IN APPROACH AREA TO RICHMOND LONG WHARF; 35 FEET TO TURNING BASIN; 35 FEET TO POINT POTRERO; 35 FEET IN SANTA FE CHANNEL FOR APPROXIMATELY 2,000 FEET THENCE 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
1973	10,259,836	0,441	11,535	20,196	1976	10,986,001	3,516	5,567	6,683
1974	14,763,623	3,019	3,963	6,982	1977	10,978,302	3,608	4,246	7,694
1975	14,356,204				1980	10,559,965	23,134	20,327	47,461
1976	20,165,240	4,083	4,560	8,643	1981	10,019,805	2,100	2,304	4,464
1977	23,023,308	3,368	3,699	7,067	1982	15,394,697	1,403	1,490	2,893

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	15,394,697	1,513,548	1,061,070	5,786,251	3,661,645	1,856,856	1,225,440	289,881
0101 COTTON, RAW	7,140		7,140					
0103 CORN	67		67					
0105 RICE	0,331	1,559	6,772					
0106 BORSUM GRAINS	12		12					
0111 SOYBEANS	1,612		1,612					
0119 OILSEEDS, NEC	709	29	680					
0121 TOBACCO, LEAF	1,621	1,621						
0129 FIELD CROPS, NEC	1,008	22	986					
0131 FRESH FRUITS	7,412	13	7,399					
0135 COFFEE	273	94	179					
0181 FRESH AND FROZEN VEGETABLES	3,628	105	3,523					
0181 ANIMALS AND PRODUCTS, NEC	272	259	13					
0191 MISCELLANEOUS FARM PRODUCTS	320	320						
0801 CRUDE RUBBER AND ALLIED GUMS	130		130					
0801 FOREST PRODUCTS, NEC	120	71	49					
0911 FRESH FISH, EXCEPT SHELLFISH	1,039	3	311			725		
0912 SHELLFISH, EXCEPT PREPARED	394	17	377					
1001 ALUMINUM ORES, CONCENTRATED	16,590	16,523	75					
1001 NONFERROUS ORES, CONCENT, NEC	15,109	15,108	1					
1101 COAL AND LIGNITE	36		36					
1301 CRUDE PETROLEUM	6,470,369	921,230		4,180,338	124,545	1,252,256		
1411 LIMESTONE	62,218	62,105	113					
1402 SAND, GRAVEL, CRUSHED ROCK	20,510					20,510		
1501 CLAY	24,041	17,856	6,185					
1600 NONMETALLIC MINERALS, NEC	9,630		9,630					
1911 ORDNANCE AND ACCESSORIES	111	98	13					
2011 MEAT, FRESH, CHILLED, FROZEN	37	4	31					
2012 MEAT AND PRODUCTS, NEC	989	933	56					
2014 TALLOW, ANIMAL FATS AND OILS	38,760		38,760					
2015 ANIMAL BY-PRODUCTS, NEC	3,474		3,474					
2021 DAIRY PRODUCTS, NEC	1,139	1,139						
2022 DRIED MILK AND CREAM	1,297	6	1,291					
2031 FISH AND SHELLFISH, PREPARED	1,532	1,531	1					
2034 VEGETABLES AND PREP, NEC	9,621	5,747	3,874					
2039 PREP FRUIT AND VEG JUICE, NEC	19,024	2,973	15,451	600				
2042 ANIMAL FEEDS	4,791	1	4,653			137		
2049 GRAIN MILL PRODUCTS, NEC	1,643	1,541	302					
2061 SUGAR	211,035	32				211,003		
2061 ALCOHOLIC BEVERAGES	11,251	9,508	1,972			171		
2091 VEGETABLE OILS, MARK, SHORT	126,948	94,751	34,197					
2092 ANIMAL OILS AND FATS, NEC	15							
2099 MISCELLANEOUS FOOD PRODUCTS	22,673	4,701	18,172					
2111 TOBACCO MANUFACTURES	1	1						
2211 BASIC TEXTILE PRODUCTS	644	509	135					
2212 TEXTILE FIBERS, NEC	1,341		1,341					
2311 APPAREL	659	620	39					
2411 LOGS	288	2	286					
2413 FUEL WOOD, CHARCOAL, WASTES	2		2					
2414 TIMBER, POSTS, POLES, PILING	100					100		
2421 LUMBER	1,086	4	1,080					
2431 VENEER, PLYWOOD, WORKED WOOD	20	20						
2491 WOOD MANUFACTURES, NEC	1,724	684	970	59	11			
2501 FURNITURE AND FIXTURES	2,155	1,807	311	7	30			
2601 PAPER AND PAPERBOARD	689	260	429					
2691 PULP AND PAPER PRODUCTS, NEC	612	178	192			42		
2711 PRINTED MATTER	107	70	37					
2810 SODIUM HYDROXIDE	125,350			118,214	7,144			
2811 CRUDE TAR, OIL, GAS PRODUCTS	94,399			49,543	10,022			7,89
2813 ALCOHOLS	9,625			9,625				
2817 BENZENE AND TOLUENE	57,412			53,393				2,019
2819 BASIC CHEMICALS AND PROD, NEC	162,277	20,211	79,055	1,279	51,932			
2901 PLASTIC MATERIALS	2,330	787	1,551					
2922 SYNTHETIC RUBBER	21		21					
2923 SYNTHETIC (MAN-MADE) FIBERS	42		42					
2931 DRUGS	74	67	27					

Waterborne Commerce of the United States, 1982

RICHMOND HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2841 SOAP-----	4,137	2,771	1,366	-----	-----	-----	-----	-----
2851 PAINTS-----	1,724	1,288	436	-----	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	5,200	-----	-----	5,200	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	8,318	41	-----	-----	8,277	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	105	-----	105	-----	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	20	20	-----	-----	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	21	-----	21	-----	-----	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	356	59	9	-----	288	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	17,677	221	2,820	13,220	1,700	-----	-----	-----
2911 GASOLINE-----	689,153	88,687	491	249,883	500,433	18,595	14,010	25,530
2912 JET FUEL-----	724,644	-----	-----	232,462	319,370	130,786	42,026	-----
2913 KEROSENE-----	1,579	-----	-----	1,579	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	951,452	-----	33,264	265,781	596,518	19,138	23,122	15,789
2915 RESIDUAL FUEL OIL-----	4,491,837	-----	504,008	467,985	1,982,016	168,670	1,137,438	231,710
2916 LUBRICATING OILS AND GREASES-----	262,209	3,076	37,614	78,521	114,416	26,448	586	1,340
2917 NAPHTHA, PETROLEUM SOLVENTS-----	54,306	-----	-----	42,984	3,735	-----	-----	7,667
2918 ASPHALT, TAR, AND PITCHES-----	235,196	110,327	153	-----	124,716	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	115	-----	115	-----	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	13,964	1,136	8	2,979	3,916	5,923	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	3,412	3,268	144	-----	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	889	537	352	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	724	609	13	-----	22	-----	-----	-----
3241 BUILDING CEMENT-----	18	-----	18	-----	-----	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	368	176	192	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	136	136	-----	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	1,419	853	536	-----	30	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	38,150	38,129	20	-----	1	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	97	-----	97	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	2,788	2,759	29	-----	-----	-----	-----	-----
3318 FERROALLOYS-----	4,625	4,456	169	-----	-----	-----	-----	-----
3349 IRON AND STEEL PRODUCTS, NEC-----	178	64	114	-----	-----	-----	-----	-----
3351 NONFERROUS METALS, NEC-----	2,592	1	2,591	-----	-----	-----	-----	-----
3352 COPPER ALLOYS, UNWORKED-----	9,705	35	9,670	-----	-----	-----	-----	-----
3353 LEAD AND ZINC, UNWORKED-----	142	16	126	-----	-----	-----	-----	-----
3354 ALUMINUM AND ALLOYS, UNWORKED-----	257	220	29	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	15,999	4,365	1,083	480	9,306	845	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	8,568	4,355	1,566	25	2,302	10	510	-----
3611 ELECTRICAL MACH AND EQUIP-----	2,869	1,626	643	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	44,788	44,254	448	-----	86	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	4	-----	4	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	224	177	36	5	6	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	121	-----	48	-----	73	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	418	26	392	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	5,562	5,260	282	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	179,953	-----	179,953	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	12,415	8	12,407	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	15,541	-----	15,541	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	809	383	407	9	10	-----	-----	-----
4118 WATERWAY IMPROVEMENT MAT-----	1,047	-----	-----	-----	-----	1,047	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	645	-----	645	-----	-----	-----	-----	-----

SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.

SECTION INCLUDED: ALL OF SAN PABLO BAY AND MARE ISLAND STRAIT. CONTROLLING DEPTH: PINHOLE SHOAL CHANNEL 35.2 FEET FROM S. P. BUOY AT BEGINNING OF CHANNEL TO BUOY 9; 35.2 FEET TO BUOY 11; 35.9 FEET TO END OF CHANNEL IN MARE ISLAND STRAIT; THE MAINTAINED WESTERLY SIDE OF PROJECT WIDTH, 29.8 FEET TO THE NAVY AMMUNITION PIER; 28.6 FEET TO FINGER PIER NO. 21; 32.9 FEET TO A STREET (END OF MAINTAINED SECTION); 19.1 FEET TO THE END OF THE 30-FOOT PROJECT; 17.9 FEET TO THE END OF 26-FOOT PROJECT AT CAUSEWAY. PROJECT DEPTH: 45 FEET IN PINHOLE 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
1973	27,176,329	1978	29,097,918
1974	27,317,614	1979	28,119,014
1975	28,569,832	1980	30,961,039
1976	29,491,610	1981	31,588,250
1977	32,656,140	1982	31,177,922

* PASSENGERS--11,359.

FREIGHT TRAFFIC, 1982

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS
				UPBOUND	DOWNBOUND		
TOTAL	25,256,620	343,146	103,878	1,528,074	3,527,841	1,841,255	1,434,025
0101 COTTON, RAW	7,010				7,010		
0105 RICE	511,001				412,651		98,350
0107 WHEAT	881,764				881,764		
0119 OILSEEDS, NEC	2,316			1	2,315		
0129 FIELD CROPS, NEC	126			111	15		
0131 FRESH FRUITS	7				7		

SAN FRANCISCO, CA, DISTRICT

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

FREIGHT TRAFFIC, 1962--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		THROUGH		DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	UPBOUND	DOWNBOUND	RECEIPTS	SHIPMENTS	THROUGH	
								UPBOUND	DOWNBOUND
0185 COFFEE-----	123			115	8				
0181 FRESH AND FROZEN VEGETABLES-----	86			86					
0161 ANIMALS AND PRODUCTS, NEC-----	22			22					
1091 ALUMINUM ORES, CONCENTRATES-----	5,672			5,672					
1101 COAL AND LIGNITE-----	169,584				169,584				
1341 CRUDE PETROLEUM-----	9,031,262			5,506		1,540,175	19,074	6,471,594	1,794,913
1411 LIMESTONE-----	374,081			374,081					
1451 CLAY-----	26,578				26,578				
1471 PHOSPHATE ROCK-----	52,580			25,369				27,211	
1479 NATURAL FERTILIZER MATS, NEC-----	5,012			5,012					
1492 SULPHUR, DRY-----	152,019				152,019				
1499 NONMETALLIC MINERALS, NEC-----	147				147				
2014 TALLOW, ANIMAL FATS AND OILS-----	1,433				1,433				
2022 DRIED MILK AND CREAM-----	9,896				9,896				
2031 FISH AND SHELLFISH, PREPARED-----	2			2					
2034 VEGETABLES AND PREP, NEC-----	513			394	119				
2039 PREP FRUIT AND VEG JUICE, NEC-----	3,504			3,426	80				
2042 ANIMAL FEEDS-----	140,540				134,175			6,393	
2049 GRAIN MILL PRODUCTS, NEC-----	18				18				
2061 SUGAR-----	788,570							788,570	
2068 MOLASSES-----	21,806			16,755				3,053	
2081 ALCOHOLIC BEVERAGES-----	18				18				
2091 VEGETABLE OILS, WARE, SHORT-----	2,493			560	1,933				
2099 MISCELLANEOUS FOOD PRODUCTS-----	89			53	36				
2211 BASIC TEXTILE PRODUCTS-----	39			39					
2311 APPAREL-----	190			190					
2411 LOGS-----	2,800				2,800				
2416 WOOD CHIPS, STAVES, MOLDS-----	294,001				294,001				
2491 WOOD MANUFACTURES, NEC-----	94			82	12				
2511 FURNITURE AND FIXTURES-----	106			75	31				
2631 PAPER AND PAPERBOARDS-----	19,773			19,767	6				
2691 PULP AND PAPER PRODUCTS, NEC-----	13			6	7				
2711 PRINTED MATTER-----	2				1				
2810 SODIUM HYDROXIDE-----	13,500							13,500	
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	1,555							1,555	
2817 BENZENE AND TOLUENE-----	17,591							17,591	
2819 BASIC CHEMICALS AND PROD, NEC-----	419,247	17,986		131,293	5,895			212,424	51,669
2821 PLASTIC MATERIALS-----	192			179	13				
2831 DRUGS-----	8			8					
2851 PAINTS-----	50			45	13				
2871 NITROGENOUS CHEM FERTILIZERS-----	349,615			192,036				157,579	
2873 PHOSPHATIC CHEM FERTILIZERS-----	35,164				35,164				
2876 INSECTICIDES, DISINFECTANTS-----	11				11				
2879 FERTILIZER AND MATERIALS, NEC-----	5,848			5,848					
2891 MISCELLANEOUS CHEMICAL PROD-----	525				525				
2911 GASOLINE-----	2,850,112	246,793		497,579	26,550	280,827	593,218	155,036	1,058,199
2912 KEROSENE-----	203,160			17,998	33,621		4,751	139,840	58,569
2915 DIESEL FUEL-----	63,030			44,727	36,365	19,728	669,044	1,211,042	1,405,175
2919 RESIDUAL FUEL OIL-----	3,052,635			22,821	522,684		22,408	1,017,762	1,466,940
2916 LUBRICATING OILS AND GREASES-----	535,770	78,402	18,328	37,257	25,240		126,330	96,594	153,599
2917 NAPHTHA, PETROLEUM SOLVENTS-----	45,161							40,276	4,885
2920 COKE, PETROLEUM COKE-----	747,231				747,231				
2991 PETROLEUM AND COAL PROD, NEC-----	13,247							13,247	
3011 RUBBER AND RUBR PLASTIC PROD-----	70			50	12				
3111 LEATHER AND LEATHER PRODUCTS-----	39			26	13				
3211 GLASS AND GLASS PRODUCTS-----	29			29					
3261 BUILDING CEMENT-----	17,637			17,637					
3261 STRUCTURAL CLAY PRODUCTS-----	34	5			29				
3291 MIS NONMETALLIC MINERAL PROD-----	104	25		79					
3345 IRON, STEEL SHAPES, EXC SHEET-----	13,225			13,202	23				
3346 IRON AND STEEL PLATES, SHEETS-----	68				68				
3347 IRON AND STEEL PIPE AND TUBE-----	144			144					
3355 LEAD AND ZINC, UNWORKED-----	1				1				
3411 FABRICATED METAL PRODUCTS-----	610			139	471				
3411 MACHINERY, EXCEPT ELECTRICAL-----	823	1		74	501	207			
3416 ELECTRICAL MACH AND EQUIP-----	402	15		274	113				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	181,404			138,961	2,423				
3721 AIRCRAFT AND PARTS-----	1				1				
3731 CHIPS AND BOATS-----	5			5					
3791 MIS TRANSPORTATION EQUIPMENT-----	2				2				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	5			3	2				
3811 MIS MANUFACTURED PRODUCTS-----	95			95					
4011 IRON AND STEEL SCRAP-----	25,793				25,793				
4112 COMMODITIES, NEC-----	337			19		318			
9999 DEPARTMENT OF DEFENSE AND SCI-----	1,895				1,895				
TON-MILES, OCEANGOING, 295,061,129.									

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	UPBOUND	DOWNBOUND
TOTAL-----	5,921,302	102,015	184,391	2,722	1,761,400	2,679,561	1,111,213	
0011 FRESH FISH, EXCEPT SHELLFISH-----	2						2	
0012 SHELLFISH, EXCEPT PREPARED-----	1						1	

Waterborne Commerce of the United States, 1982

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

FREIGHT TRAFFIC, 1982--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
0031 MARINE SMELLS, UNMANUFACTURED-----	10,000	-----	-----	-----	-----	10,000	-----
1311 CRUDE PETROLEUM-----	1,954,502	83,171	-----	-----	-----	1,740,651	122,560
1402 SAND, GRAVEL, CRUSHED ROCK-----	27,300	-----	-----	-----	-----	-----	27,300
1491 SALT-----	165,270	-----	-----	-----	-----	165,270	-----
2001 SUGAR-----	211,003	-----	-----	-----	-----	-----	211,003
2014 TIMBER, POSTS, POLES, PILING-----	200	-----	-----	-----	-----	-----	200
2011 GASOLINE-----	50,130	9,763	6,031	1,200	-----	6,085	30,163
2012 JET FUEL-----	170,901	-----	-----	1,430	-----	4,303	173,000
2014 DISTILLATE FUEL OIL-----	47,000	-----	20,653	-----	-----	113	19,102
2015 RESIDUAL FUEL OIL-----	973,003	85,002	117,751	-----	-----	249,411	520,020
2016 LUBRICATING OILS AND GREASES-----	26,400	-----	26,400	-----	-----	-----	-----
2017 NAPHTHA, PETROLEUM SOLVENTS-----	5,500	-----	5,500	-----	-----	-----	-----
2091 PETROLEUM AND COAL PROD, NEC-----	1,000	-----	-----	-----	-----	315	1,565
3201 BUILDING CEMENT-----	650	-----	-----	-----	-----	650	-----
3291 MISC NONMETALLIC MINERAL PROD-----	2,410	-----	-----	-----	-----	-----	2,410
3411 FABRICATED METAL PRODUCTS-----	7,169	3,909	-----	-----	-----	1,176	2,000
3811 MACHINERY, EXCEPT ELECTRICAL-----	655	-----	-----	-----	-----	510	145
4020 WASTE AND SCRAP, NEC-----	1,761,000	-----	-----	-----	1,761,000	-----	-----
4110 WATERWAY IMPROVEMENT MAT-----	400,304	-----	-----	-----	-----	400,304	-----

TON-MILES, INTERNAL, 72,310,150.

TONS, ALL TRAFFIC, 31,177,922.

TON-MILES, ALL TRAFFIC, 367,371,279.

CARQUINEZ STRAIT, CALIF.

SECTION INCLUDED: ALL OF CARQUINEZ STRAIT FROM DAVIS POINT ON THE WESTERLY END TO THE BENICIA-MARTINEZ BRIDGE AT SUIBUN 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
1973-----	22,579,619	1978-----	21,025,012
1974-----	22,379,267	1979-----	22,273,172
1975-----	23,954,709	1980-----	25,341,002
1976-----	20,244,013	1981-----	26,341,975
1977-----	24,740,631	1982-----	25,005,009

* PASSENGERS--11,359.

FREIGHT TRAFFIC, 1982

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL-----	21,533,520	670,927	797,473	640,147	2,730,360	9,312,676	4,000,231	1,030,297	1,244,401
0101 COTTON, RAW-----	7,010	-----	-----	-----	7,010	-----	-----	-----	-----
0105 RICE-----	511,001	-----	-----	-----	412,651	-----	-----	-----	90,350
0107 WHEAT-----	681,760	-----	-----	-----	681,760	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	2,316	1	-----	-----	2,315	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	126	111	-----	-----	15	-----	-----	-----	-----
0131 FRESH FRUITS-----	7	-----	-----	-----	7	-----	-----	-----	-----
0133 COFFEE-----	123	115	8	-----	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	86	-----	20	-----	66	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	22	-----	-----	-----	22	-----	-----	-----	-----
1091 ALUMINUM ORES, CONCENTRATES-----	5,672	-----	-----	-----	5,672	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	169,500	-----	-----	-----	169,500	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	6,372,013	5,906	-----	-----	-----	6,169,676	1,606,632	301,910	100,201
1011 LIMESTONE-----	374,001	-----	-----	374,001	-----	-----	-----	-----	-----
1451 CLAY-----	26,570	-----	-----	-----	26,570	-----	-----	-----	-----
1471 PHOSPHATE ROCK-----	52,500	-----	-----	25,369	-----	-----	-----	27,211	-----
1479 NATURAL FERTILIZER MATS, NEC-----	5,012	-----	-----	5,012	-----	-----	-----	-----	-----
1492 SULPHUR, DRY-----	152,019	-----	-----	-----	152,019	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	147	-----	-----	-----	147	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	1,433	-----	951	-----	802	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	9,896	-----	-----	-----	9,896	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	6	6	-----	-----	-----	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	513	390	70	-----	41	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	3,506	3,426	-----	-----	80	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	140,560	-----	-----	-----	130,175	-----	-----	6,393	-----
2049 GRAIN MILL PRODUCTS, NEC-----	10	-----	10	-----	-----	-----	-----	-----	-----
2061 SUGAR-----	780,570	-----	-----	-----	-----	780,570	-----	-----	-----
2062 MOLASSES-----	21,000	-----	-----	-----	10,785	-----	3,053	-----	-----
2081 ALCOHOLIC BEVERAGES-----	10	-----	17	-----	1	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	2,493	540	-----	-----	1,933	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	89	53	15	-----	21	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	39	10	-----	-----	1	-----	-----	-----	-----
2311 APPAREL-----	190	116	-----	-----	74	-----	-----	-----	-----
2411 LOGS-----	2,800	-----	-----	-----	2,800	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	294,001	-----	-----	-----	294,001	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	90	82	-----	-----	12	-----	-----	-----	-----

SAN FRANCISCO, CA, DISTRICT

CARQUINEZ STRAIT, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1962--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

25

COMMODITY	TOTAL	FOREIGN				DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
2911 FURNITURE AND FIXTURES-----	104	75			31				
2631 PAPER AND PAPERBOARD-----	19,773		6	19,767	2				
2691 PULP AND PAPER PRODUCTS, NEC--	6				1				
2711 PRINTED MATTER-----	2				1				
2810 SODIUM HYDROXIDE-----	13,500							13,500	
2811 CRUDE TAR, OIL, GAS PRODUCTS---	1,555					1,555			
2817 BENZENE AND TOLUENE-----	17,591							17,591	
2819 BASIC CHEMICALS AND PROD, NEC--	401,281	42	1,205	131,251	4,690			212,424	51,649
2821 PLASTIC MATERIALS-----	192	66	1	113	12				
2831 DRUGS-----	8	8							
2851 PAINTS-----	58	45			13				
2871 NITROGENOUS CHEM FERTILIZERS---	349,615			192,036				157,579	
2873 PHOSPHATIC CHEM FERTILIZERS---	35,164				35,164				
2876 INSECTICIDES, DISINFECTANTS---	11				11				
2879 FERTILIZER AND MATERIALS, NEC--	5,848			5,848					
2891 MISCELLANEOUS CHEMICAL PROD---	525		493		32				
2911 GASOLINE-----	1,737,364	457,527		49,952	26,550	101,507	678,768	55,529	379,451
2912 JET FUEL-----	198,409					122,881	58,549	16,909	
2913 KEROSENE-----	45,840	33,821				12,019			
2914 DISTILLATE FUEL OIL-----	2,652,582		36,365			1,109,965	1,508,120	101,877	97,055
2915 RESIDUAL FUEL OIL-----	3,007,406		466,656		56,028	845,508	1,077,658	109,949	431,615
2916 LUBRICATING OILS AND GREASES---	312,710	37,257	25,235		25	96,594	153,599		
2917 NAPHTHA, PETROLEUM SOLVENTS---	45,161					40,276	4,885		
2920 COKE, PETROLEUM COKE-----	747,231		262,303		484,848				
2991 PETROLEUM AND COAL PROD, NEC--	13,247					1,120		12,127	
3011 RUBBER AND MISC PLASTIC PROD---	70	57	10	1	2				
3111 LEATHER AND LEATHER PRODUCTS---	39	26			13				
3211 GLASS AND GLASS PRODUCTS-----	29	24		5					
3291 BUILDING CEMENT-----	17,637			17,637					
3291 STRUCTURAL CLAY PRODUCTS-----	29				29				
3291 MISC NONMETALLIC MINERAL PROD---	79	14		65					
3315 IRON, STEEL SHAPES, EXC SHEET---	13,225			13,222	23				
3316 IRON AND STEEL PLATES, SHEETS---	60				60				
3317 IRON AND STEEL PIPE AND TUBE---	148	148							
3325 LEAD AND ZINC, UNWORKED-----	1				1				
3411 FABRICATED METAL PRODUCTS-----	610	65	3	74	468				
3511 MACHINERY, EXCEPT ELECTRICAL---	415	74	113		428				
3611 ELECTRICAL MACH AND EQUIP-----	387	295	96	69	17				
3711 MOTOR VEHICLES, PARTS, EQUIP---	141,404	138,981	2,411		12				
3721 AIRCRAFT AND PARTS-----	1				1				
3731 SHIPS AND BOATS-----	5	5			1				
3791 MISC TRANSPORTATION EQUIPMENT---	2		2						
3811 INSTR, TIME, PHOTO, OPT GOODS---	5	3			2				
3911 MISC MANUFACTURED PRODUCTS-----	95	73		22					
4011 IRON AND STEEL SCRAP-----	25,793				25,793				
4112 COMMODITIES, NEC-----	19	1		18					
9999 DEPARTMENT OF DEFENSE AND SEC---	1,695		1,789		186				

TON-MILES, OCEANGOING, 146,086,311.

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
TOTAL-----	4,272,369	1,959,327	979,945	256,900	18,066	822,493	235,130
0911 FRESH FISH, EXCEPT SHELLFISH-----	2	2					
0912 SHELLFISH, EXCEPT PREPARED-----	1						1
1311 CRUDE PETROLEUM-----	1,883,074	1,760,514	33,704				88,856
1402 SAND, GRAVEL, CRUSHED ROCK-----	27,300						27,300
1491 SALT-----	165,270						165,270
2001 SUGAR-----	211,003		211,403				
2010 TIMBER, POSTS, POLES, PILING-----	200						200
2911 GASOLINE-----	76,891	24,033	23,604	16,259			12,995
2912 JET FUEL-----	177,467		173,088				4,383
2914 DISTILLATE FUEL OIL-----	61,565	8,495	15,162	26,709			7,633
2915 RESIDUAL FUEL OIL-----	1,159,340	166,019	522,588	213,932	7,758	152,994	96,049
2917 NAPHTHA, PETROLEUM SOLVENTS---	15,816	39			10,308	5,469	
2991 PETROLEUM AND COAL PROD, NEC-----	1,880	315					1,565
3291 BUILDING CEMENT-----	650					650	
3291 MISC NONMETALLIC MINERAL PROD---	500						500
3411 FABRICATED METAL PRODUCTS-----	1,216					1,176	40
4110 WATERWAY IMPROVEMENT MAT-----	489,394					489,394	

TON-MILES, INTERNAL, 26,500,632.

TONS, ALL TRAFFIC, 25,805,889.

TON-MILES, ALL TRAFFIC, 172,586,943.

Waterborne Commerce of the United States, 1982

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 BLOUGH. CONTROLLING DEPTH: 34.5 FEET FROM SUISUN POINT TO AVON SHARP; 31.6 FEET TO PRESTON POINT; 30.3 FEET TO MIDDLE POINT; 32.0 FEET THROUGH EAST REACH MIDDLEGROUND ISLAND TO MOUTH OF NEW YORK BLOUGH. PROJECT DEPTH: 45 FEET FROM BENICIA-MARTINEZ BRIDGE TO POINT EDITH, 35 FEET FOR REMAINDER OF CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	7,901,233	1978-----	5,787,368
1974-----	7,573,079	1979-----	6,121,200
1975-----	8,664,782	1980-----	8,092,843
1976-----	8,210,165	1981-----	8,081,497
1977-----	7,920,404	1982-----	7,037,843

* PASSENGERS=11,359.

FREIGHT TRAFFIC, 1982

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	IMPORTS	EXPORTS	THROUGH	
				UPBOUND	DOWNBOUND
TOTAL-----	3,579,515	40,098	82,578	809,040	2,647,796
0101 COTTON, RAW-----	7,010	-----	-----	-----	7,010
0105 RICE-----	412,631	-----	-----	-----	412,631
0107 WHEAT-----	881,764	-----	-----	-----	881,764
0119 OILSEED, NEC-----	2,315	-----	-----	-----	2,315
0129 FIELD CROPS, NEC-----	15	-----	-----	-----	15
0131 FRESH FRUITS-----	7	-----	-----	-----	7
0141 FRESH AND FROZEN VEGETABLES-----	66	-----	-----	-----	66
0161 ANIMALS AND PRODUCTS, NEC-----	22	-----	-----	22	-----
1051 ALUMINUM ORES, CONCENTRATES-----	5,672	-----	-----	5,672	-----
1121 COAL AND LIGNITE-----	169,584	-----	-----	-----	169,584
1411 LIMESTONE-----	374,081	-----	-----	374,081	-----
1451 CLAY-----	26,578	-----	-----	-----	26,578
1471 PHOSPHATE ROCK-----	25,369	-----	-----	25,369	-----
1479 NATURAL FERTILIZER MATS, NEC-----	5,012	-----	-----	5,012	-----
1492 SULPHUR, DRY-----	152,019	-----	-----	-----	152,019
1499 NONMETALLIC MINERALS, NEC-----	147	-----	-----	-----	147
2014 TALLOW, ANIMAL FATS AND OILS-----	882	-----	-----	-----	882
2022 DRIED MILK AND CREAM-----	9,696	-----	-----	-----	9,696
2034 VEGETABLES AND PREP, NEC-----	41	-----	-----	-----	41
2039 PREP FRUIT AND VEG JUICE, NEC-----	80	-----	-----	-----	80
2042 ANIMAL FEEDS-----	134,175	-----	-----	-----	134,175
2042 MOLASSES-----	18,755	-----	-----	18,755	-----
2081 ALCOHOLIC BEVERAGES-----	1	-----	-----	-----	1
2091 VEGETABLE OILS, MARG, SHORT-----	1,933	-----	-----	-----	1,933
2099 MISCELLANEOUS FOOD PRODUCTS-----	21	-----	-----	-----	21
2211 BASIC TEXTILE PRODUCTS-----	1	-----	-----	1	-----
2311 APPAREL-----	74	-----	-----	74	-----
2411 LOGS-----	2,800	-----	-----	-----	2,800
2416 WOOD CHIPS, STAVES, MOULDINGS-----	294,001	-----	-----	-----	294,001
2491 WOOD MANUFACTURES, NEC-----	12	-----	-----	-----	12
2511 FURNITURE AND FIXTURES-----	31	-----	-----	-----	31
2631 PAPER AND PAPERBOARD-----	19,767	-----	-----	19,767	-----
2711 PRINTED MATTER-----	2	-----	-----	-----	2
2819 BASIC CHEMICALS AND PROD, NEC-----	135,941	-----	-----	131,251	4,690
2821 PLASTIC MATERIALS-----	125	-----	-----	-----	125
2851 PAINTS-----	13	-----	-----	-----	13
2871 NITROGENOUS CHEM FERTILIZERS-----	192,036	-----	-----	192,036	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	35,164	-----	-----	-----	35,164
2876 INSECTICIDES, DISINFECTANTS-----	11	-----	-----	-----	11
2879 FERTILIZER AND MATERIALS, NEC-----	5,840	-----	-----	5,840	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	32	-----	-----	-----	32
2911 GASOLINE-----	66,602	40,052	26,550	-----	-----
2919 RESIDUAL FUEL OIL-----	56,020	-----	56,020	-----	-----
2916 LUBRICATING OILS AND GREASES-----	25	-----	-----	-----	25
2920 COKE, PETROLEUM COKE-----	484,848	-----	-----	-----	484,848
3011 RUBBER AND MISC PLASTIC PROD-----	3	-----	-----	1	2
3111 LEATHER AND LEATHER PRODUCTS-----	13	-----	-----	-----	13
3211 GLASS AND GLASS PRODUCTS-----	5	-----	-----	5	-----
3241 BUILDING CEMENT-----	17,637	-----	-----	17,637	-----
3291 STRUCTURAL CLAY PRODUCTS-----	29	-----	-----	-----	29
3291 MISC NONMETALLIC MINERAL PROD-----	65	-----	-----	65	-----
3319 IRON, STEEL SHAPES, ETC SHEETS-----	13,225	-----	-----	13,222	23
3316 IRON AND STEEL PLATES, SHEETS-----	66	-----	-----	-----	66
3323 LEAD AND ZINC, UNWORKED-----	1	-----	-----	-----	1
3411 FABRICATED METAL PRODUCTS-----	542	-----	-----	74	468
3511 MACHINERY, EXCEPT ELECTRICAL-----	420	-----	-----	-----	420
3611 ELECTRICAL MACH AND EQUIP-----	84	37	-----	32	17
3711 MOTOR VEHICLES, PARTS, EQUIP-----	12	-----	-----	-----	12
3721 AIRCRAFT AND PARTS-----	1	-----	-----	-----	1
3811 INSTR, TIME, PHOTO, OPT GOODS-----	2	-----	-----	-----	2
3911 MISC MANUFACTURED PRODUCTS-----	22	9	-----	13	-----
4011 IRON AND STEEL SCRAP-----	25,793	-----	-----	-----	25,793
4112 COMMODITIES, NEC-----	18	-----	-----	18	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	106	-----	-----	-----	106
TON-MILES, FOREIGN,-----	45,184,259	-----	-----	-----	-----

SAN FRANCISCO, CA, DISTRICT

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SUBURBAN BAY CHANNEL, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	THROUGH		INBOUND	OUTBOUND	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL-----	3,498,328	602,376	1,096,382	427,921	150,019	195,323	245,514	729,131	11,662
0105 RICE-----	98,350				98,350				
0912 SHELLFISH, EXCEPT PREPARED-----	1							1	
1311 CRUDE PETROLEUM-----	900,910	301,910	188,281				100,719		
1442 SAND, GRAVEL, CRUSHED ROCK-----	27,300						22,620		4,680
1471 PHOSPHATE ROCK-----	27,211			27,211					
1491 SALT-----	165,270							165,270	
2042 ANIMAL FEEDS-----	6,393			6,393					
2414 TIMBER, POSTS, POLES, PILING-----	200								200
2610 SODIUM HYDROXIDE-----	13,500			13,500					
2617 BENZENE AND TOLUENE-----	17,591	17,591							
2619 BASIC CHEMICALS AND PROD, NEC-----	264,693	6,185		206,239	51,669				
2671 NITROGENOUS CHEM FERTILIZERS-----	157,579			157,579					
2611 GASOLINE-----	455,072	53,529	379,431				22,112		
2612 JET FUEL-----	21,308			16,999		4,303			
2614 DISTILLATE FUEL OIL-----	215,070	101,677	97,058			7,633			
2615 RESIDUAL FUEL OIL-----	809,473	109,949	431,615			176,162	90,865	72,640	6,242
2617 NAPHTHA. PETROLEUM SOLVENTS-----	5,469					5,469			
2691 PETROLEUM AND COAL PROD, NEC-----	13,692	12,127					1,565		
3241 BUILDING CEMENT-----	650							650	
3291 MISC NONMETALLIC MINERAL PROD-----	500								500
3411 FABRICATED METAL PRODUCTS-----	1,216							1,176	40
4010 WATERWAY IMPROVEMENT MAT-----	489,394							489,394	

TON-MILES, DOMESTIC, 21,169,520,

TONS, ALL TRAFFIC, 7,037,843.

TON-MILES, ALL TRAFFIC, 66,353,779.

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 DEPTHS: BAR ENTRANCE CHANNEL, 39.7 FEET; CHANNEL BETWEEN THE JETTIES 37.0 FEET; CHANNEL AT INTERSECTION OF FIELDS LANDING AND NORTH BAY CHANNEL, 32.0 FEET; NORTH BAY CHANNEL, 20.9 FEET TO STANDARD OIL WHARF AT BUCKSPORT, 33.9 FEET FOR REMAINDER OF CHANNEL; SAMOA CHANNEL, 33.7 FEET; EUREKA CHANNEL, 34.0 FEET TO ANGLE IN CHANNEL, 11.4 FEET TO D STREET, 11.9 FEET TO HEAD OF PROJECT; FIELDS LANDING CHANNEL, 20.1 FEET TO BUNNE POINT, 18.4 FEET AT BUNNE POINT; 27.3 FEET TO TURNING BASIN, 20.5 FEET IN TURNING BASIN, 20.9 FEET IN SOUTHEAST CORNER OF TURNING BASIN. PROJECT DEPTHS: 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
1973-----	1,451,538		1,451,538	1978-----	1,454,665		1,454,665
1974-----	1,397,567		1,397,567	1979-----	1,313,116		1,313,116
1975-----	1,357,544		1,357,544	1980-----	1,324,045		1,324,045
1976-----	1,775,516		1,775,516	1981-----	820,404		820,404
1977-----	1,644,573		1,644,573	1982-----	873,041		873,041

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE	INTERNAL
				RECEIPTS	RECEIPTS
TOTAL-----	873,041	16,101	460,056	378,488	10,396
0105 RICE-----	99		99		
0911 FRESH FISH, EXCEPT SHELLFISH-----	17,056				17,056
0912 SHELLFISH, EXCEPT PREPARED-----	1,340				1,340
2012 MEAT AND PRODUCTS, NEC-----	19	19			
2031 FISH AND SHELLFISH, PREPARED-----	3		3		
2034 VEGETABLES AND PREP, NEC-----	17	17			
2039 PREP FRUIT AND VEG JUICE, NEC-----	1	1			
2649 GRAIN MILL PRODUCTS, NEC-----	41	41			
2681 ALCOHOLIC BEVERAGES-----	6	6			
2699 MISCELLANEOUS FOOD PRODUCTS-----	96	96			
2511 APPAREL-----	3	3			
2611 LOGS-----	75,005		75,005		
2616 WOOD CHIPS, STAVES, HOLDINGS-----	73,260		73,260		
2621 LUMBER-----	6,044		6,044		
2631 VENEER, PLYWOOD, WORKED WOOD-----	118		118		
2691 WOOD MANUFACTURES, NEC-----	3,390	102	3,288		
2511 FURNITURE AND FIXTURES-----	52	52			
2611 PULP-----	303,925		303,925		
2631 PAPER AND PAPERBOARD-----	245	245			
2691 PULP AND PAPER PRODUCTS, NEC-----	9	9			
2610 SODIUM HYDROXIDE-----	56,060			56,060	
2618 SULPHURIC ACID-----	3,300			3,300	
2619 BASIC CHEMICALS AND PROD, NEC-----	13,402	21	317	13,068	
2621 PLASTIC MATERIALS-----	22	22			

Waterborne Commerce of the United States, 1982

HUMBOLDT HARBOR AND BAY, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE	INTERNAL
				RECEIPTS	RECEIPTS
2831 DRUGS-----	1	1	-----	-----	-----
2841 SOAP-----	22	22	-----	-----	-----
2851 PAINTS-----	40	40	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	23	23	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	27,000	-----	-----	27,000	-----
2911 GASOLINE-----	168,199	-----	-----	168,199	-----
2914 DISTILLATE FUEL OIL-----	85,227	-----	-----	85,227	-----
2915 RESIDUAL FUEL OIL-----	25,638	-----	-----	25,638	-----
3011 RUBBER AND MISC PLASTIC PROD-----	2	2	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	3	3	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	2	2	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	15,184	15,184	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	18	18	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	80	80	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	36	36	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	4	4	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	10	10	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	3	3	-----	-----	-----
4112 COMMODITIES, NEC-----	34	34	-----	-----	-----
TOTAL TON-MILES, 4,355,483,					

SAN FRANCISCO, CA, DISTRICT

29

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS	PASSENGERS
PROJECT				
BERKELEY, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	21		1,956
RODEGA BAY, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	4,027		
	0912 SHELLFISH, EXCEPT PREPARED	81		
	TOTAL	4,048	4,142	
CRESCENT CITY HARBOR, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	1,544		
	0912 SHELLFISH, EXCEPT PREPARED	4,944		
	2911 GASOLINE	67,570		
	2914 DISTILLATE FUEL OIL	21,143		
	TOTAL	94,243		
HALF MOON BAY, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	56		
	0912 SHELLFISH, EXCEPT PREPARED	94		
	TOTAL	150		
MONTEREY HARBOR, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	4,424		
	0912 SHELLFISH, EXCEPT PREPARED	11,922		
	TOTAL	16,346		
MOSS LANDING HARBOR, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	4,573		
	0912 SHELLFISH, EXCEPT PREPARED	2,214		
	TOTAL	10,787		
NAPA RIVER, CALIF.	1401 SALT	145,270		
	3411 FABRICATED METAL PRODUCTS	7,120		
	4118 WATERWAY IMPROVEMENT MAT	35,309		
	TOTAL	207,700	1,431,416	
NOYO RIVER, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	4,022		
	0912 SHELLFISH, EXCEPT PREPARED	205		
	TOTAL	4,227	4,227	
PETALUMA RIVER, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	1		
	0931 MARINE SHELLS, UNMANUFACTURED	10,800		
	1402 SAND, GRAVEL, CRUSHED ROCK	27,300		
	3201 MISC NONMETALLIC MINERAL PROD	1,914		
	3511 MACHINERY, EXCEPT ELECTRICAL	455		
	TOTAL	40,474	447,414	
SAN RAFAEL CREEK, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	2		
SANTA CRUZ HARBOR, CALIF.	0911 FRESH FISH, EXCEPT SHELLFISH	174		
	0912 SHELLFISH, EXCEPT PREPARED	2		
	TOTAL	176		
SUISUN CHANNEL, CALIF.	2915 RESIDUAL FUEL OIL	24,204	340,704	
NONPROJECT				
OTHER SAN FRANCISCO BAY AREA PORTS, CALIF. (NET)	0911 FRESH FISH, EXCEPT SHELLFISH	1,960		
	0912 SHELLFISH, EXCEPT PREPARED	2		
	0931 MARINE SHELLS, UNMANUFACTURED	10,800		
	1311 CRUDE PETROLEUM	5,470,676		
	1402 SAND, GRAVEL, CRUSHED ROCK	573,517		
	1451 CLAY	5,124		
	2034 VEGETABLES AND PREP, NEC	14		
	2211 BASIC TEXTILE PRODUCTS	2		
	2311 APPAREL	1		
	2401 WOOD MANUFACTURES, NEC	12		
	2631 PAPER AND PAPERBOARD	215		
	2811 CRUDE TAR, OIL, GAS PRODUCTS	4,944		
	2819 BASIC CHEMICALS AND PROD, NEC	9,444		
	2911 GASOLINE	9,414		
	2912 JET FUEL	69,924		
	2914 DISTILLATE FUEL OIL	67,172		
	2915 RESIDUAL FUEL OIL	669,854		
	2916 LUBRICATING OILS AND GREASES	1,405		
	2901 PETROLEUM AND COAL PROD, NEC	1,742		
	3111 LEATHER AND LEATHER PRODUCTS	72		
	3201 BUILDING CEMENT	19,344		
	3201 MISC NONMETALLIC MINERAL PROD	1,422		
	3411 FABRICATED METAL PRODUCTS	90		
	3511 MACHINERY, EXCEPT ELECTRICAL	125		
	3711 MOTOR VEHICLES, PARTS, FL/TP	1,902		
	3911 MISC MANUFACTURED PRODUCTS	1		
	4111 WATER	1,401		
	4118 WATERWAY IMPROVEMENT MAT	400,444		
	TOTAL	7,444,724	1,461,663	

PACIFIC OCEAN DIVISION

HILO HARBOR, HAWAII, HAWAII

SECTION INCLUDED: PORT OF HILO, CONTROLLING DEPTH: 34.5 FEET, PROJECT DEPTH: 35 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	1,041,647	-----	1978-----	1,272,734	3,207
1974-----	928,619	9,600	1979-----	1,220,438	-----
1975-----	1,053,879	13,613	1980-----	1,102,019	-----
1976-----	995,544	1,313	1981-----	1,441,590	-----
1977-----	1,013,430	8,381	1982-----	1,381,996	-----

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
TOTAL-----	1,381,996	19,027	19,033	820,316	523,097	523
0109 RICE-----	3,975	-----	-----	3,975	-----	-----
0122 HAY AND FODDER-----	29	-----	-----	27	2	-----
0131 FRESH FRUITS-----	3,268	-----	-----	449	2,819	-----
0133 COFFEE-----	475	-----	-----	11	464	-----
0141 FRESH AND FROZEN VEGETABLES-----	5,986	-----	-----	4,948	948	-----
0151 LIVE ANIMALS-----	1,490	-----	-----	974	716	-----
0161 ANIMALS AND PRODUCTS, NEC-----	614	-----	-----	614	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	1,338	-----	-----	-----	1,338	-----
0861 FOREST PRODUCTS, NEC-----	1,342	-----	-----	658	684	-----
0911 FRESH FISH, EXCEPT SMELFISH-----	520	-----	-----	-----	-----	520
0912 SMELFISH, EXCEPT PREPARED-----	446	-----	-----	442	1	3
1091 NONFERROUS ORES, CONCENT, NEC-----	43	-----	-----	43	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	6,217	-----	-----	-----	6,217	-----
1491 SALT-----	433	-----	-----	433	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	497	-----	-----	497	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	27	-----	-----	24	3	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	5,502	-----	-----	4,778	724	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	371	-----	-----	-----	371	-----
2021 DAIRY PRODUCTS, NEC-----	333	-----	-----	333	-----	-----
2034 VEGETABLES AND PREP, NEC-----	21,220	-----	-----	9,504	11,716	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	1,649	-----	-----	710	939	-----
2041 WHEAT FLOUR AND SEMOLINA-----	833	-----	-----	833	-----	-----
2042 ANIMAL FEEDS-----	17,701	-----	-----	17,455	246	-----
2049 GRAIN MILL PRODUCTS, NEC-----	110	-----	-----	110	-----	-----
2061 SUGAR-----	214,689	-----	-----	23	214,666	-----
2062 MOLASSES-----	49,943	-----	19,033	-----	50,910	-----
2091 ALCOHOLIC BEVERAGES-----	12,874	-----	-----	12,874	-----	-----
2091 VEGETABLE OILS, HARB, SHORT-----	578	-----	-----	578	-----	-----
2094 GROCERIES-----	8,085	-----	-----	8,052	33	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	64,006	-----	-----	18,521	47,485	-----
2811 BASIC TEXTILE PRODUCTS-----	89	-----	-----	89	-----	-----
2813 FUEL WOOD, CHARCOAL, WASTES-----	338	-----	-----	329	9	-----
2814 TIMBER, POSTS, POLES, PILING-----	7	-----	-----	7	-----	-----
2821 LUMBER-----	14,628	-----	-----	12,604	2,024	-----
2831 VENEER, PLYWOOD, WORKED WOOD-----	2,534	-----	-----	2,534	-----	-----
2891 WOOD MANUFACTURES, NEC-----	12,052	-----	-----	3,449	8,583	-----
2911 FURNITURE AND FIXTURES-----	3,247	-----	-----	2,435	612	-----
2931 PAPER AND PAPERBOARD-----	709	-----	-----	688	21	-----
2991 PULP AND PAPER PRODUCTS, NEC-----	18,310	-----	-----	17,963	347	-----
2711 PRINTED MATTER-----	75	-----	-----	75	-----	-----
2810 SODIUM HYDROXIDE-----	1,754	-----	-----	1,754	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	1,995	-----	-----	1,984	11	-----
2821 PLASTIC MATERIALS-----	200	-----	-----	200	-----	-----
2831 DRUGS-----	10	-----	-----	10	-----	-----
2841 SOAP-----	1,454	-----	-----	1,454	-----	-----
2851 PAINTS-----	330	-----	-----	330	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	25,698	13,441	-----	12,257	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	1,114	1,114	-----	-----	-----	-----
2874 INSECTICIDES, DISINFECTANTS-----	559	-----	-----	550	9	-----
2879 FERTILIZER AND MATERIALS, NEC-----	22,746	-----	-----	20,287	2,459	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	3,275	-----	-----	3,275	-----	-----
2911 GASOLINE-----	64,435	-----	-----	64,435	-----	-----
2912 JET FUEL-----	2,937	-----	-----	2,937	-----	-----
2914 DISTILLATE FUEL OIL-----	96,519	-----	-----	96,519	-----	-----
2915 RESIDUAL FUEL OIL-----	102,139	-----	-----	102,139	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	3,142	-----	-----	3,142	-----	-----
2921 LIQUEFIED GASES-----	13,511	4,472	-----	9,039	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	1,413	-----	-----	1,413	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	2,630	-----	-----	2,587	243	-----
3211 GLASS AND GLASS PRODUCTS-----	2,319	-----	-----	1,844	475	-----
3801 BUILDING CEMENT-----	22,862	-----	-----	22,862	-----	-----
3891 STRUCTURAL CLAY PRODUCTS-----	105	-----	-----	105	-----	-----
3891 CUT STONE AND STONE PRODUCTS-----	23	-----	-----	23	-----	-----
3891 MISC NONMETALLIC MINERAL PROD-----	3,688	-----	-----	3,688	8	-----
3342 SLAG-----	60	-----	-----	60	-----	-----
3344 IRON AND STEEL PRIMARY FORMS-----	738	-----	-----	738	-----	-----
3345 IRON, STEEL SHAPES, EXC SHEET-----	2,299	-----	-----	2,292	7	-----
3346 IRON AND STEEL PLATES, SHEETS-----	1,537	-----	-----	1,537	-----	-----
3347 IRON AND STEEL PIPE AND TUBE-----	791	-----	-----	749	22	-----
3349 IRON AND STEEL PRODUCTS, NEC-----	386	-----	-----	386	-----	-----
3391 NONFERROUS METALS, NEC-----	22	-----	-----	22	-----	-----
3411 FABRICATED METAL PRODUCTS-----	302,358	-----	-----	179,079	123,279	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	554	-----	-----	480	74	-----
3611 ELECTRICAL MACH AND EQUIP-----	781	-----	-----	507	184	-----

PACIFIC OCEAN DIVISION

HILO HARBOR, HAWAII, HAWAII--CONTINUED

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FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
3711 MOTOR VEHICLES, PARTS, EQUIP-----	81,349	-----	-----	56,077	25,272	-----
3731 SHIPS AND BOATS-----	1,232	-----	-----	974	258	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	15,707	-----	-----	12,915	2,792	-----
3911 MISC MANUFACTURED PRODUCTS-----	3,719	-----	-----	3,030	689	-----
4011 IRON AND STEEL SCRAP-----	937	-----	-----	10	927	-----
4112 COMMODITIES, NEC-----	95,639	-----	-----	61,261	14,378	-----
4119 EMPTY CONTAINERS-----	134	-----	-----	2	132	-----

KANAIHAE HARBOR, HAWAII, HAWAII

SECTION INCLUDED: PORT OF KANAIHAE, CONTROLLING DEPTH: 38.6 FEET IN ENTRANCE CHANNEL AND 34.4 FEET IN HARBOR BASIN, PROJECT DEPTH: HARBOR BASIN 35 FEET; ENTRANCE CHANNEL 40 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	385,850	1978-----	502,451
1974-----	291,036	1979-----	447,521
1975-----	279,687	1980-----	518,116
1976-----	263,562	1981-----	432,704
1977-----	318,197	1982-----	441,130

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL
		RECEIPTS	SHIPMENTS	
TOTAL-----	481,130	208,089	234,994	59
0122 HAY AND FODDER-----	13	13	-----	-----
0151 LIVE ANIMALS-----	46,855	4,908	41,547	-----
0911 FRESH FISH, EXCEPT SMELLFISH-----	49	-----	-----	49
0912 SMELLFISH, EXCEPT PREPARED-----	1	-----	-----	1
1842 SAND, GRAVEL, CRUSHED ROCK-----	4,625	4,000	625	-----
1911 ORDNANCE AND ACCESSORIES-----	12	12	-----	-----
2034 VEGETABLES AND PREP, NEC-----	4,486	422	4,062	-----
2042 ANIMAL FEEDS-----	1,539	1,521	18	-----
2061 SUGAR-----	128,533	-----	128,533	-----
2081 ALCOHOLIC BEVERAGES-----	16	16	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	27,810	6,751	21,059	-----
2211 BASIC TEXTILE PRODUCTS-----	66	66	-----	-----
2421 LUMBER-----	1,375	1,315	60	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	70	70	-----	-----
2491 WOOD MANUFACTURES, NEC-----	3,513	1,618	1,895	-----
2511 FURNITURE AND FIXTURES-----	1,288	1,225	63	-----
2621 STANDARD NEWSPRINT PAPER-----	228	228	-----	-----
2631 PAPER AND PAPERBOARD-----	37	37	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	2,379	2,379	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	25	25	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	88	88	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	110	110	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	809	435	374	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	11,534	11,534	-----	-----
2911 GASOLINE-----	9,787	9,787	-----	-----
2916 DISTILLATE FUEL OIL-----	16,372	16,372	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	18	18	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	55	55	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	292	292	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	497	454	43	-----
3211 GLASS AND GLASS PRODUCTS-----	177	158	19	-----
3241 BUILDING CEMENT-----	5,958	5,958	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	18	18	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	405	405	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	627	625	2	-----
3317 IRON AND STEEL PIPE AND TUBE-----	440	430	10	-----
3411 FABRICATED METAL PRODUCTS-----	78,917	67,405	11,312	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	7,878	5,801	2,077	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	30,627	18,906	11,721	-----
3731 SHIPS AND BOATS-----	2,656	1,231	1,427	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	15,512	10,509	5,003	-----
3911 MISC MANUFACTURED PRODUCTS-----	1,099	1,099	-----	-----
4011 IRON AND STEEL SCRAP-----	149	-----	149	-----
4112 COMMODITIES, NEC-----	34,585	27,588	6,997	-----

Waterborne Commerce of the United States, 1982

KANULUI HARBOR, MAUI, HAWAII

SECTION INCLUDED: PORT OF KANULUI. CONTROLLING DEPTH: 34.3 FEET. PROJECT DEPTH: 35 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	1,042,618	9,600	1978-----	1,922,112	3,879
1974-----	982,110	11,296	1979-----	1,473,307	-----
1975-----	1,109,485	1,307	1980-----	1,441,524	-----
1976-----	1,276,424	8,390	1981-----	1,551,044	-----
1977-----	1,301,095	-----	1982-----	1,483,955	-----

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
TOTAL-----	1,483,955	16,936	10,477	877,351	579,108	63
0105 RICE-----	1,945	-----	7	1,938	-----	-----
0122 HAY AND FODDER-----	571	-----	-----	571	-----	-----
0131 FRESH FRUITS-----	1,907	-----	9	738	1,240	-----
0141 FRESH AND FROZEN VEGETABLES-----	6,471	-----	75	6,369	27	-----
0151 LIVE ANIMALS-----	6,246	-----	-----	2,120	4,118	-----
0161 ANIMALS AND PRODUCTS, NEC-----	5	-----	5	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	120	-----	-----	-----	120	-----
0861 FOREST PRODUCTS, NEC-----	858	-----	-----	788	70	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	60	-----	-----	-----	-----	60
0912 SHELLFISH, EXCEPT PREPARED-----	217	-----	-----	202	12	3
1091 NONFERROUS ORES, CONCENT, NEC-----	65	-----	-----	65	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,800	-----	-----	-----	1,800	-----
1451 CLAY-----	303	-----	-----	303	-----	-----
1491 GYPSUM, CRUDE AND PLASTERS-----	55	-----	-----	55	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	827	-----	-----	827	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	2	-----	-----	2	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	4,195	-----	16	4,147	32	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	2	-----	2	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	580	-----	-----	-----	580	-----
2022 DRIED MILK AND CREAM-----	3	-----	3	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	17,004	-----	9	6,385	10,610	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	120,010	-----	18	476	119,516	-----
2041 WHEAT FLOUR AND SEMOLINA-----	176	-----	-----	138	38	-----
2042 ANIMAL FEEDS-----	20,090	-----	-----	20,019	71	-----
2049 GRAIN MILL PRODUCTS, NEC-----	62	-----	-----	-----	-----	-----
2061 SUGAR-----	185,665	-----	3	45	185,617	-----
2062 MOLASSES-----	51,851	-----	10,248	-----	41,603	-----
2081 ALCOHOLIC BEVERAGES-----	13,619	-----	13	13,578	28	-----
2091 VEGETABLE OILS, HARD, SHORT-----	2,080	-----	-----	2,080	-----	-----
2094 GROCERIES-----	5,664	-----	-----	5,662	22	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	33,145	-----	6	22,570	10,569	-----
2111 TOBACCO MANUFACTURES-----	1	-----	1	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	318	-----	-----	318	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	229	-----	-----	229	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	185	-----	-----	46	139	-----
2421 LUMBER-----	5,723	-----	-----	5,614	109	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,573	-----	-----	1,573	-----	-----
2491 WOOD MANUFACTURES, NEC-----	14,197	-----	-----	4,666	9,531	-----
2511 FURNITURE AND FIXTURES-----	3,646	-----	-----	3,301	345	-----
2631 PAPER AND PAPERBOARD-----	1,106	-----	-----	1,086	20	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	20,951	-----	8	20,294	649	-----
2711 PRINTED MATTER-----	12	-----	-----	12	-----	-----
2810 SODIUM HYDROXIDE-----	934	-----	-----	934	-----	-----
2813 ALCOHOL-----	96	-----	-----	-----	96	-----
2819 SULPHURIC ACID-----	65	-----	-----	65	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	357	-----	17	340	-----	-----
2821 PLASTIC MATERIALS-----	242	-----	36	206	-----	-----
2831 DRUGS-----	941	-----	-----	21	-----	-----
2841 SOAP-----	186	-----	-----	186	-----	-----
2851 PAINTS-----	10,852	1,725	-----	9,127	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	270	-----	-----	270	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	3,830	-----	-----	3,830	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	1,114	-----	-----	614	500	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	64,924	-----	-----	62,713	2,211	-----
2911 GASOLINE-----	5,491	-----	-----	5,048	443	-----
2912 JET FUEL-----	117,953	-----	-----	116,672	1,081	-----
2914 DISTILLATE FUEL OIL-----	79,298	-----	-----	79,298	-----	-----
2915 RESIDUAL FUEL OIL-----	149	-----	1	148	-----	-----
2916 LUBRICATING OILS AND GREASES-----	4,509	-----	-----	4,509	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	10,451	1,930	-----	8,521	-----	-----
2921 LIQUEFIED GASES-----	96	-----	-----	96	-----	-----
2991 ASPHALT BUILDING MATERIALS-----	1,708	-----	-----	1,708	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	2,250	-----	-----	2,058	192	-----
3011 RUBBER AND MISC PLASTIC PROD-----	1,165	-----	-----	733	432	-----
3211 GLASS AND GLASS PRODUCTS-----	26,599	-----	-----	26,547	52	-----
3241 BUILDING CEMENT-----	81	-----	-----	81	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	59	-----	-----	59	-----	-----
3271 LIME-----	4,816	-----	-----	4,800	16	-----
3291 MISC NONMETALLIC MINERAL PROD-----	22	-----	-----	22	-----	-----
3312 SLAG-----	332	-----	-----	332	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	14,026	12,788	-----	1,238	-----	-----
3318 IRON, STEEL SHAPES, EXC SHEET-----	933	-----	-----	933	-----	-----
3318 IRON AND STEEL PLATES, SHEETS-----	1,705	-----	-----	1,705	-----	-----
3347 IRON AND STEEL PIPE AND TUBE-----	51	-----	-----	51	-----	-----
3349 IRON AND STEEL PRODUCTS, NEC-----	21	-----	-----	21	-----	-----
3351 NONFERROUS METALS, NEC-----	-----	-----	-----	-----	-----	-----

PACIFIC OCEAN DIVISION

KAMULUI HARBOR, MAUI, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

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COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	
3411 FABRICATED METAL PRODUCTS-----	327,980	-----	-----	221,368	196,612	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,663	-----	-----	1,536	127	-----
3611 ELECTRICAL MACH AND EQUIP-----	1,138	-----	-----	975	163	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	124,924	493	-----	78,487	46,024	-----
3721 AIRCRAFT AND PARTS-----	2	-----	-----	2	-----	-----
3731 SHIPS AND BOATS-----	1,950	-----	-----	1,282	268	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	20,429	-----	-----	11,316	9,113	-----
3911 MISC MANUFACTURED PRODUCTS-----	4,651	-----	-----	4,215	436	-----
4011 IRON AND STEEL SCRAP-----	2,080	-----	-----	-----	2,080	-----
4112 COMMODITIES, NEC-----	119,937	-----	-----	97,375	22,562	-----
4119 EMPTY CONTAINERS-----	389	-----	-----	21	368	-----

BARBERS POINT HARBOR, OAHU, HAWAII

SECTION INCLUDED: BARBERS POINT HARBOR. CONTROLLING DEPTH: 21 FEET IN THE ENTRANCE CHANNEL AND 20 FEET IN THE BASIN. PROJECT DEPTH: 42 FEET IN THE ENTRANCE CHANNEL; 30 FEET IN THE DEEP-DRAFT HARBOR BASIN; 12 FEET IN MAIN ACCESS CHANNEL TO LIGHT-DRAFT HARBOR.

COMPARATIVE STATEMENT OF TRAFFIC			
YEAR	TONS	YEAR	TONS
1973-----	5,944,857	1978-----	6,366,588
1974-----	4,340,221	1979-----	6,154,541
1975-----	5,185,659	1980-----	5,725,722
1976-----	6,593,497	1981-----	5,589,741
1977-----	6,630,994	1982-----	5,707,366

* PASSENGERS--5.

FREIGHT TRAFFIC, 1982

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	COASTWISE	
				RECEIPTS	SHIPMENTS
TOTAL-----	5,787,386	2,349,792	368,854	2,772,699	216,731
1311 CRUDE PETROLEUM-----	4,283,466	2,295,488	-----	1,987,978	-----
2911 GASOLINE-----	217,020	54,292	83,542	-----	79,186
2912 JET FUEL-----	9,670	-----	-----	-----	9,670
2914 DISTILLATE FUEL OIL-----	127,981	-----	53,193	73,311	1,877
2915 RESIDUAL FUEL OIL-----	1,023,770	-----	232,119	716,720	80,931
2917 NAPHTHA, PETROLEUM SOLVENTS-----	24,414	-----	-----	-----	24,414
2921 LIQUEFIED GASES-----	21,053	-----	-----	-----	21,053
3511 MACHINERY, EXCEPT ELECTRICAL-----	12	12	-----	-----	-----

HONOLULU HARBOR, OAHU, HAWAII

SECTION INCLUDED: PORT OF HONOLULU. CONTROLLING DEPTH: 45.0 FEET IN THE ENTRANCE CHANNEL; 39.0 FEET IN THE MAIN HARBOR BASIN; 48.0 FEET IN KAPALAMA BASIN; 40.0 FEET IN THE CONNECTING CHANNEL; 32.2 FEET IN KALIMI 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
1973-----	6,168,466	989,100	1978-----	7,750,537	183,721
1974-----	7,556,891	987,475	1979-----	7,463,663	311,899
1975-----	7,935,183	1,073,125	1980-----	7,646,270	547,242
1976-----	7,189,538	1,390,524	1981-----	8,269,671	521,824
1977-----	6,681,556	303,291	1982-----	7,593,097	465,466

FREIGHT TRAFFIC, 1982

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	
TOTAL-----	7,491,897	870,710	179,650	3,326,386	3,216,219	132
0102 BARLEY AND RYE-----	3	-----	-----	3	-----	-----
0103 CORN-----	137	-----	75	62	-----	-----
0105 RICE-----	44,642	139	674	34,579	7,258	-----
0106 SORGHUM GRAINS-----	45	-----	-----	45	-----	-----
0107 WHEAT-----	20,100	-----	-----	20,100	-----	-----
0111 SOYBEANS-----	484	5	-----	481	-----	-----
0119 OILSEEDS, NEC-----	68	24	22	-----	-----	-----
0121 TOBACCO, LEAF-----	68	68	-----	-----	-----	-----
0122 HAY AND FODDER-----	7,856	-----	-----	7,768	90	-----

Waterborne Commerce of the United States, 1982

HONOLULU HARBOR, OAHU, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	SHIPMENTS	INTERNAL RECEIPTS
0129 FIELD CROPS, NEC-----	32	32				
0131 FRESH FRUITS-----	375,584	1,286	1,185	291,418	81,775	
0133 COFFEE-----	3,612	1	112	3,027	472	
0141 FRESH AND FROZEN VEGETABLES-----	117,471	474	54	100,529	16,414	
0151 LIVE ANIMALS-----	63,154			53,524	9,630	
0161 ANIMALS AND PRODUCTS, NEC-----	4,347	224	51	3,410	662	
0191 MISCELLANEOUS FARM PRODUCTS-----	3,381	1	155	1,475	1,750	
0801 FOREST PRODUCTS, NEC-----	8,297	252		5,459	2,586	
0911 FRESH FISH, EXCEPT SHELLFISH-----	7,614	7,446	41			127
0912 SHELLFISH, EXCEPT PREPARED-----	5,603	364	4	3,429	1,801	5
1001 NONFERROUS ORES, CONCENT, NEC-----	2,228			2,098	130	
1121 COAL AND LIGNITE-----	56,433	56,351		82		
1311 CRUDE PETROLEUM-----	520,657	520,657				
1411 LIMESTONE-----	7		7			
1412 BUILDING STONE, UNWORKED-----	3			3		
1462 SAND, GRAVEL, CRUSHED ROCK-----	97,812	78,105		10,867	8,840	
1451 CLAY-----	844		2	539	303	
1471 PHOSPHATE ROCK-----	40			40		
1491 SALT-----	4,995		19	4,466	468	
1494 GYPSUM, CRUDE AND PLASTER-----	5,713			4,304	1,409	
1499 NONMETALLIC MINERALS, NEC-----	12,062	12		12,050		
1911 ORDNANCE AND ACCESSORIES-----	78	10		3	65	
2011 MEAT, FRESH, CHILLED, FROZEN-----	99,808	6,743	344	81,285	11,436	
2012 MEAT AND PRODUCTS, NEC-----	207	29	178			
2015 ANIMAL BY-PRODUCTS, NEC-----	1,003			502	501	
2021 DAIRY PRODUCTS, NEC-----	12,068	558	2	10,554	954	
2022 DRIED MILK AND CREAM-----	900	543	357			
2031 FISH AND SHELLFISH, PREPARED-----	3,555	3,546	9			
2034 VEGETABLES AND PREP, NEC-----	161,028	3,358	135	129,648	27,889	
2039 PREP FRUIT AND VEG JUICE, NEC-----	420,059	3,136	6,272	129,270	281,381	
2041 WHEAT FLOUR AND SEMOLINA-----	13,850		1,909	10,862	1,099	
2042 ANIMAL FEED-----	148,938	2,204	836	94,011	47,887	
2049 GRAIN MILL PRODUCTS, NEC-----	4,618	1,643	372	2,420	183	
2041 SUGAR-----	156,521	13,869	1,300	2,242	159,090	
2042 MOLASSES-----	336,554		7,165	136,830	192,559	
2081 ALCOHOLIC BEVERAGES-----	182,779	3,721	804	146,122	32,128	
2091 VEGETABLE OIL, MARG, SHORT-----	20,237	183	141	17,033	2,880	
2094 GROCERIES-----	102,740			85,496	17,244	
2099 MISCELLANEOUS FOOD PRODUCTS-----	186,195	5,018	1,878	112,582	66,717	
2111 TOBACCO MANUFACTURES-----	3,769	79	31	3,653	6	
2211 BASIC TEXTILE PRODUCTS-----	11,096	1,633	49	8,956	458	
2212 TEXTILE FIBERS, NEC-----	190			190		
2311 APPAREL-----	565	464	23	63	15	
2411 LOGS-----	515		188	367		
2413 FUEL WOOD, CHARCOAL, WASTES-----	3,048		10	2,369	669	
2414 TIMBER, POSTS, POLES, PILING-----	338	40		141	157	
2421 LUMBER-----	134,598	1,912	534	118,543	13,609	
2431 VENEER, PLYWOOD, WORKED WOOD-----	24,226	267	186	20,807	2,966	
2491 WOOD MANUFACTURES, NEC-----	111,437	946	57	46,354	64,058	
2511 FURNITURE AND FIXTURES-----	73,093	2,429	38	33,197	37,429	
2611 PULP-----	46			46		
2621 STANDARD NEWSPRINT PAPER-----	7,151			7,151		
2631 PAPER AND PAPERBOARD-----	49,273	26,486	12	20,394	2,381	
2691 PULP AND PAPER PRODUCTS, NEC-----	116,708	1,077	50	72,852	42,729	
2711 PRINTED MATTER-----	6,642	580	19	5,945	98	
2810 SODIUM HYDROXIDE-----	4,365			4,363	2	
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	77			77		
2812 DYES, PIGMENT, TANNING MATS-----	1,203			1,203		
2813 ALCOHOLS-----	588			118	430	
2816 RADIOACTIVE MATERIALS, WASTES-----	86			45	41	
2818 SULPHURIC ACID-----	149				149	
2819 BASIC CHEMICALS AND PROD, NEC-----	13,084	223	32	11,257	1,492	
2821 PLASTIC MATERIALS-----	4,097	125	46	3,436	490	
2831 SYNTHETIC (MAN-MADE) FIBERS-----	288	27		261		
2831 DRUGS-----	3,485	89	24	3,283	49	
2841 SOAP-----	32,747	155	356	29,258	2,978	
2851 PAINTS-----	12,626	15	41	11,805	765	
2861 GUM AND WOOD CHEMICALS-----	32			15	17	
2871 NITROGENOUS CHEM FERTILIZERS-----	61,589	14,393		33,692	13,544	
2872 POTASSIC CHEM FERTILIZERS-----	621			621		
2873 PHOSPHATIC CHEM FERTILIZERS-----	404	301	103			
2876 INSECTICIDES, DISINFECTANTS-----	3,637		4	2,447	1,186	
2879 FERTILIZER AND MATERIALS, NEC-----	17,467	411	246	8,607	8,203	
2891 MISCELLANEOUS CHEMICAL PROD-----	2,248	311	9	1,590	338	
2911 GASOLINE-----	260,756	27,902	9,063	34,296	189,495	
2912 JET FUEL-----	49,298			39,506	9,792	
2913 KEROSENE-----	554		554			
2914 DISTILLATE FUEL OIL-----	391,615		40,204	46,988	304,423	
2915 RESIDUAL FUEL OIL-----	272,975	610	50,038	16,291	206,036	
2916 LUBRICATING OILS AND GREASES-----	3,674	4	66	3,590	214	
2918 ASPHALT, TAR, AND PITCHES-----	16,791		42	7,087	9,662	
2921 LIQUEFIED GASES-----	1,007	267	31	512	177	
2951 ASPHALT BUILDING MATERIALS-----	2,061		6	2,055		
2991 PETROLEUM AND COAL PROD, NEC-----	22,894			18,588	4,216	
3011 RUBBER AND MISC PLASTIC PROD-----	23,542	2,540	115	12,079	8,008	
3111 LEATHER AND LEATHER PRODUCTS-----	1,222	1,178	5	39		
3211 GLASS AND GLASS PRODUCTS-----	16,053	1,324	64	11,490	3,175	
3261 BUILDING CEMENT-----	72,234		13	5,537	66,684	
3291 STRUCTURAL CLAY PRODUCTS-----	5,548	2,259	1	3,102	186	
3271 LIME-----	268	7		261		
3281 CUT STONE AND STONE PRODUCTS-----	1,323	431	9	860	23	
3291 MISC NONMETALLIC MINERAL PROD-----	72,240	1,495	85	55,748	14,912	
3312 SLAG-----	9,182			9,060	122	
3314 IRON AND STEEL PRIMARY FORMS-----	7,104			5,952	1,152	

PACIFIC OCEAN DIVISION

HONOLULU HARBOR, OAHU, HAWAII--CONTINUED

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FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
3315 IRON, STEEL SHAPES, ETC SHEET-----	29,104	22,061	20	1,923	6,080	-----
3316 IRON AND STEEL PLATES, SHEETS-----	18,009	-----	45	16,733	3,231	-----
3317 IRON AND STEEL PIPE AND TUBE-----	11,400	2,613	49	4,547	3,050	-----
3318 FERROALLOYS-----	404	404	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	4,755	561	1	3,750	443	-----
3321 NONFERROUS METALS, NEC-----	3,080	60	0	3,761	43	-----
3322 COPPER ALLOYS, UNWORKED-----	320	208	05	3	22	-----
3323 LEAD AND ZINC, UNWORKED-----	594	06	20	488	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	362	6	204	72	-----	-----
3411 FABRICATED METAL PRODUCTS-----	986,218	6,311	1,298	369,767	612,842	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	19,752	1,651	073	11,150	6,070	-----
3611 ELECTRICAL MACH AND EQUIP-----	14,071	2,099	195	7,996	2,481	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	429,285	29,041	056	169,542	226,246	-----
3721 AIRCRAFT AND PARTS-----	62	1	0	16	21	-----
3731 SHIPS AND BOATS-----	9,291	09	32	3,173	6,037	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	59,550	1	23	26,149	35,305	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	159	120	11	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	42,046	3,613	27	22,711	16,495	-----
4011 IRON AND STEEL SCRAP-----	35,103	-----	20,130	3,912	11,061	-----
4012 NONFERROUS METAL SCRAP-----	7,423	-----	7,423	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEET-----	49	49	4	5	-----	-----
4024 PAPER WASTE AND SCRAP-----	22,212	-----	22,059	41	112	-----
4029 WASTE AND SCRAP, NEC-----	59	-----	-----	-----	59	-----
4112 COMMODITIES, NEC-----	753,671	845	31	440,030	311,957	-----
4119 EMPTY CONTAINERS-----	6,430	-----	-----	1,314	5,116	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	33	-----	33	-----	-----	-----

NAWILIWILI HARBOR, KAUAI, HAWAII

SECTION INCLUDED: PORT OF NAWILIWILI. CONTROLLING DEPTHS: 30.4 FEET IN THE OUTER CHANNEL; 30.2 FEET IN THE INNER CHANNEL; 33.9 FEET IN THE HARBOR BASIN. PROJECT DEPTHS: 40 FEET IN THE CHANNEL; 35 FEET IN THE HARBOR BASIN.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	495,448	-----	1978-----	745,077	6,304
1974-----	380,495	-----	1979-----	757,899	-----
1975-----	532,978	13,934	1980-----	785,212	-----
1976-----	440,900	40,674	1981-----	906,595	-----
1977-----	557,798	70,063	1982-----	868,153	-----

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC		
			COASTWISE		INTERNAL
		IMPORTS	RECEIPTS	SHIPMENTS	RECEIPTS
TOTAL-----	808,153	22,102	403,690	382,242	119
0105 RICE-----	1,837	-----	1,337	-----	-----
0122 RAY AND PODDER-----	30	-----	30	-----	-----
0131 FRESH FRUITS-----	91	-----	81	10	-----
0141 FRESH AND FROZEN VEGETABLES-----	4,019	-----	4,019	-----	-----
0151 LIVE ANIMALS-----	3,977	-----	861	3,116	-----
0861 FOREST PRODUCTS, NEC-----	221	-----	221	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	119	-----	-----	-----	119
0912 SHELLFISH, EXCEPT PREPARED-----	104	-----	87	17	-----
1691 NONFERROUS ORES, CONCENT, NEC-----	22	-----	22	-----	-----
1694 GYPSUM, CRUDE AND PLASTERS-----	65	-----	65	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	20	-----	20	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	1,362	-----	1,358	4	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	73	-----	-----	73	-----
2021 DAIRY PRODUCTS, NEC-----	41	-----	41	-----	-----
2034 VEGETABLES AND PREP, NEC-----	6,281	-----	3,581	2,700	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	539	-----	64	475	-----
2042 ANIMAL FEEDS-----	8,549	-----	8,536	13	-----
2049 GRAIN MILL PRODUCTS, NEC-----	11	-----	11	-----	-----
2061 SUGAR-----	180,631	-----	22	180,609	-----
2062 MOLASSES-----	53,569	-----	-----	53,569	-----
2091 ALCOHOLIC BEVERAGES-----	5,121	-----	5,121	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	222	-----	222	-----	-----
2094 GROCERIES-----	3,126	-----	3,123	3	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	17,205	-----	14,607	2,598	-----
2211 BASIC TEXTILE PRODUCTS-----	43	-----	43	-----	-----
2213 FUEL WOOD, CHARCOAL, WASTES-----	100	-----	66	34	-----
2214 TIMBER, POSTS, POLES, PILING-----	101	-----	99	2	-----
2221 LUMBER-----	2,773	-----	2,751	22	-----
2231 VENEER, PLYWOOD, WORKED WOOD-----	223	-----	223	-----	-----
2491 WOOD MANUFACTURES, NEC-----	10,052	-----	3,006	7,046	-----
2511 FURNITURE AND FIXTURES-----	2,495	-----	2,264	231	-----
2631 PAPER AND PAPERBOARD-----	419	-----	393	26	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	2,310	-----	2,201	109	-----
2711 PRINTED MATTER-----	11	-----	11	-----	-----
2810 SODIUM HYDROXIDE-----	3,293	-----	3,293	-----	-----
2818 SULPHURIC ACID-----	84	-----	84	-----	-----

Waterborne Commerce of the United States, 1982

NANILIMILI HARBOR, KAUAI, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC		
		IMPORTS	COASTWISE		INTERNAL
			RECEIPTS	SHIPMENTS	RECEIPTS
2819 BASIC CHEMICALS AND PROD, NEC-----	4,575	3,134	1,433	8	-----
2821 PLASTIC MATERIALS-----	84	-----	84	-----	-----
2831 DRUGS-----	18	-----	18	-----	-----
2841 SOAP-----	583	-----	583	-----	-----
2851 PAINTS-----	99	-----	99	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	21,763	13,434	7,827	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	157	-----	157	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	10,320	-----	10,279	41	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	53	-----	53	-----	-----
2911 GASOLINE-----	24,470	-----	24,470	-----	-----
2912 JET FUEL-----	2,250	-----	2,250	-----	-----
2914 DISTILLATE FUEL OIL-----	6,131	-----	6,131	-----	-----
2915 RESIDUAL FUEL OIL-----	3,571	-----	3,571	-----	-----
2916 LUBRICATING OILS AND GREASES-----	66	-----	66	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	1,870	-----	1,843	27	-----
2921 LIQUEFIED GASES-----	5,859	2,701	3,158	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	843	-----	843	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	2,806	-----	2,366	440	-----
3211 GLASS AND GLASS PRODUCTS-----	530	-----	429	101	-----
3301 BUILDING CEMENT-----	10,677	-----	10,677	-----	-----
3391 MISC NONMETALLIC MINERAL PROD-----	6,124	-----	6,115	9	-----
3312 SLAG-----	40	-----	40	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	62	-----	62	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,002	-----	1,868	134	-----
3316 IRON AND STEEL PLATES, SHEETS-----	655	-----	655	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	3,518	2,331	1,168	19	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	23	-----	23	-----	-----
3411 FABRICATED METAL PRODUCTS-----	205,793	-----	127,063	78,730	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,324	-----	1,269	55	-----
3611 ELECTRICAL MACH AND EQUIP-----	445	-----	330	115	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	79,950	-----	48,807	31,143	-----
3721 AIRCRAFT AND PARTS-----	2	-----	2	-----	-----
3731 SHIPS AND BOATS-----	2,889	-----	2,087	802	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	20,137	-----	12,492	7,645	-----
3911 MISC MANUFACTURED PRODUCTS-----	1,469	-----	1,254	215	-----
4011 IRON AND STEEL SCRAP-----	618	-----	-----	618	-----
4112 COMMODITIES, NEC-----	77,825	-----	66,234	11,591	-----
4119 EMPTY CONTAINERS-----	95	-----	3	92	-----

PACIFIC OCEAN DIVISION

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ITEMS FOR OR BY WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS	PASSENGERS
PROJECT				
MAKA HARBOR, MAHI, HAWAII-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	11		
KAILUA HARBOR, MAHI, HAWAII-----	NO COMMERCE REPORTED			
KALAPAPA HARBOR, MOLOKAI, HAWAII-----	2421 LUMBER MANUFACTURES, NEC-----	83		
	2491 WOOD MANUFACTURES, NEC-----	34		
	2511 FURNITURE AND FIXTURES-----	14		
	3011 RUBBER AND MISC PLASTIC PROD-----	1		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	2		
	3411 FABRICATED METAL PRODUCTS-----	149		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	315		
	3791 MISC TRANSPORTATION EQUIPMENT-----	30		
	4112 COMMODITIES, NEC-----	750		
	TOTAL-----	1,412		
KAILUAHAKA HARBOR, MOLOKAI, HAWAII-----	0122 HAY AND FORAGE-----	4,112		
	0131 FRESH FRUITS-----	57,935		
	0151 LIVE ANIMALS-----	5,402		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	9		
	0912 SHELLFISH, EXCEPT PREPARED-----	1		
	1911 ORNAMENT AND ACCESSORIES-----	1		
	2034 VEGETABLES AND PREP, NEC-----	1,441		
	2042 ANIMAL FEEDS-----	951		
	2099 MISCELLANEOUS FEED PRODUCTS-----	3,124		
	2414 TIMBER, PILES, POLES, PILING-----	4		
	2421 LUMBER-----	744		
	2491 WOOD MANUFACTURES, NEC-----	19,190		
	2511 FURNITURE AND FIXTURES-----	732		
	2631 PAPER AND PAPERBOARD-----	2		
	2691 PULP AND PAPER PRODUCTS, NEC-----	116		
	2879 FERTILIZERS AND MATERIALS, NEC-----	402		
	2891 MISCELLANEOUS CHEMICAL PROD-----	27		
	2911 GASOLINE-----	2,724		
	2914 DISTILLATE FUEL OIL-----	21,750		
	2915 RESIDUAL FUEL OIL-----	6,413		
	2918 ASPHALT, TAP, AND PITCHES-----	104		
	3011 RUBBER AND MISC PLASTIC PROD-----	462		
	3211 GLASS AND GLASS PRODUCTS-----	92		
	3241 BUILDING CEMENT-----	1,564		
	3291 MISC NONMETALLIC MINERAL PROD-----	241		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	123		
	3317 IRON AND STEEL PIPE AND TUBE-----	104		
	3411 FABRICATED METAL PRODUCTS-----	35,404		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	20,797		
	3731 SHIPS AND BOATS-----	550		
	3791 MISC TRANSPORTATION EQUIPMENT-----	4,249		
	4011 IRON AND STEEL SCRAP-----	374		
	4112 COMMODITIES, NEC-----	23,262		
	TOTAL-----	221,003		
PONT ALLEN HARBOR, MAHI, HAWAII-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	29		
	0912 SHELLFISH, EXCEPT PREPARED-----	2		
	2911 GASOLINE-----	1,362		
	2912 JET FUEL-----	785		
	2914 DISTILLATE FUEL OIL-----	44,992		
	2915 RESIDUAL FUEL OIL-----	24,743		
	TOTAL-----	71,913		
MAKE ISLAND HARBOR, MAKE ISLAND-----	NO COMMERCE REPORTED			
MELLS HARBOR, MIDWAY ISLAND-----	NO COMMERCE REPORTED			
UNPROJECT				
KAHUALAPAHU HARBOR, LANAI, HAWAII-----	0131 FRESH FRUITS-----	212,783		
	0141 FRESH AND FROZEN VEGETABLES-----	93		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	7		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	754		
	2491 WOOD MANUFACTURES, NEC-----	36,219		
	2631 PAPER AND PAPERBOARD-----	174		
	2671 NITROGENOUS CHEM FERTILIZERS-----	44		
	2676 INSECTICIDES, DISINFECTANTS-----	200		
	2879 FERTILIZER AND MATERIALS, NEC-----	1,443		
	2911 GASOLINE-----	15		
	2914 DISTILLATE FUEL OIL-----	5,921		
	2918 ASPHALT, TAP, AND PITCHES-----	92		
	3411 FABRICATED METAL PRODUCTS-----	7		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	453		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	407		
	3791 MISC TRANSPORTATION EQUIPMENT-----	7		
	4112 COMMODITIES, NEC-----	1,404		
	4119 EMPTY CONTAINERS-----	214		
	TOTAL-----	244,165		45,320

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
1973	2,747,359	1978	5,696,485
1974	2,715,718	1979	6,075,369
1975	3,183,535	1980	7,236,066
1976	4,887,270	1981	7,491,927
1977	4,586,615	1982	8,875,148

• PASSENGERS--11.

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL				THROUGH	
		INBOUND	OUTBOUND	DOWNBOUND		UPBOUND	DOWNBOUND
TOTAL	6,875,148	735,742	1,131,159	8,560		899,853	8,544,234
0102 BARLEY AND RYE	194,913		27,599				167,314
0103 CORN	403		525				76
0107 WHEAT	4,485,846	10,546	1,023,467				3,451,853
0111 SOYBEANS	154		154				
0122 HAY AND FODDER	5,201	10	5,183				
0129 FIELD CROPS, NEC	815		411				402
0141 FRESH AND FROZEN VEGETABLES	6,544	546	1,075			102	4,979
0161 ANIMALS AND PRODUCTS, NEC	951		951				
1402 SAND, GRAVEL, CRUSHED ROCK	1,320						1,320
1499 NONMETALLIC MINERALS, NEC	166						166
2015 ANIMAL BY-PRODUCTS, NEC	13,320		12,051				477
2034 VEGETABLES AND PREP, NEC	1,198		175			28	1,001
2042 ANIMAL FEEDS	255		255				
2049 GRAIN MILL PRODUCTS, NEC	174		174				
2062 MOLASSES	11,844	11,844					
2091 ALCOHOLIC BEVERAGES	76		76				
2011 LOGS	21,287						21,287
2012 RAFTED LOGS	18,696		18,696				
2013 FUEL WOOD, CHARCOAL, WASTES	3,672						3,672
2016 WOOD CHIPS, STAVES, HOLDINGS	21,324						21,324
2011 FURNITURE AND FIXTURES	5		5				
2091 PULP AND PAPER PRODUCTS, NEC	35,555		92			576	34,887
2019 BASIC CHEMICALS AND PROD, NEC	10,899		10,899				
2021 PLASTIC MATERIALS	1,592	1,592					
2071 NITROGENOUS CHEM FERTILIZERS	69,275	19,265	20,344	7,251		4,114	14,501
2091 MISCELLANEOUS CHEMICAL PROD	69					69	
2011 GASOLINE	544,964	293,600	2,611	1,309		282,461	24,983
2012 JET FUEL	16,949	2,241				14,708	
2014 DISTILLATE FUEL OIL	525,689	336,234				182,715	4,660
2015 RESIDUAL FUEL OIL	78,347	58,075				20,272	
2018 ASPHALT, TAR, AND PITCHES	4,386	469				3,917	
3011 RUBBER AND MISC PLASTIC PROD	187	187					
3201 GLASS AND GLASS PRODUCTS	34						
3271 LIME	1,029	1,029					
3401 FABRICATED METAL PRODUCTS	46						
3501 MACHINERY, EXCEPT ELECTRICAL	993	353	110			130	
4002 WASTE AND SCRAP, NEC	792,000						792,000
4119 EMPTY CONTAINERS	9,494	1,950	387			6,367	790
TOTAL TON-MILES	287,176,605.						

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; 18 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 3.9 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
1973	1,760,946	4,434	1978	3,852,362	
1974	1,729,725	3,828	1979	4,356,735	
1975	2,010,721	2,904	1980	5,063,613	665
1976	2,894,606	405	1981	5,335,162	1,779
1977	2,911,249		1982	5,065,328	121

WALLA WALLA, WA, DISTRICT

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

FREIGHT TRAFFIC, 1962

DOMESTIC

(SHORT TONS)

39

COMMODITY	TOTAL	INTERNAL			
		INSBOUND	OUTBOUND	THROUGH UPBOUND	THROUGH DOWNBOUND
TOTAL-----	5,065,320	480,313	3,019,153	70	757,792
0102 BARLEY AND RYE-----	167,312	-----	126,685	-----	40,627
0103 CORN-----	70	-----	70	-----	-----
0107 WHEAT-----	3,455,554	-----	2,762,767	-----	692,787
0129 FIELD CROPS, NEC-----	402	-----	402	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	5,061	162	4,899	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,320	-----	1,320	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	166	-----	166	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	477	-----	477	-----	-----
2034 VEGETABLES AND PREP, NEC-----	1,023	22	1,001	-----	-----
2411 LOGS-----	21,227	-----	21,227	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	3,072	-----	-----	-----	3,072
2416 WOOD CHIPS, STAVES, HOLDINGS-----	21,324	-----	-----	-----	21,324
2691 PULP AND PAPER PRODUCTS, NEC-----	35,463	574	34,887	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	10,899	10,899	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	40,046	25,745	14,301	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	69	69	-----	-----	-----
2911 GASOLINE-----	252,062	222,461	29,501	-----	-----
2912 JET FUEL-----	14,700	14,700	-----	-----	-----
2916 DISTILLATE FUEL OIL-----	210,001	162,715	38,166	-----	-----
2918 RESIDUAL FUEL OIL-----	20,272	20,272	-----	-----	-----
2919 ASPHALT, TAR, AND PITCHES-----	3,917	3,917	-----	-----	-----
3011 MACHINERY, EXCEPT ELECTRICAL-----	570	174	326	70	-----
4029 WASTE AND SCRAP, NEC-----	792,000	-----	792,000	-----	-----
4119 EMPTY CONTAINERS-----	7,443	6,653	790	-----	-----
TOTAL TON-MILES, 342,319,790.					

PORTLAND, OR, DISTRICT

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

CALENDAR YEAR 1982

(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-----	-----	-----	-----	-----	4,307,466	70	4,307,536	7.05	157,792
COLUMBIA RIVER, WENATCHEE TO KETTLE FALLS, WASH.,-----	-----	-----	-----	-----	130	42,375	42,505	.08	-----
COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNEWICK, WASH.	-----	-----	-----	-----	1,066,901	8,560	1,075,461	3.33	4,999,607
COLUMBIA RIVER AND TRIBUTARIES ABOVE THE DALLES DAM, WASH., AND OREG., TO McNARY LOCK AND DAM, OREG., AND WASH.	-----	-----	-----	-----	1,306,609	-----	1,306,609	2.46	6,002,090
COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG.,-----	-----	-----	-----	4,400	1,639,006	564,203	2,200,409	3.92	6,957,992
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.,-----	12,655	-----	-----	-----	1,102,960	1,667,409	2,065,113	5.00	-----
OREGON SLOUGH (NORTH PORTLAND HARBOR), OREG.,-----	-----	-----	31,236	91,892	546,070	-----	669,198	1.19	-----
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.,-----	3,030,144	10,640,610	3,739,300	410,032	10,761,674	4,073,027	40,672,307	72.17	751,060
MULTNOMAH CHANNEL, OREG.,-----	-----	-----	-----	-----	1,530,210	62,905	1,601,165	2.80	-----
LAKE RIVER, WASH.,-----	-----	-----	-----	-----	100	4,120	4,220	.01	-----
LEWIS RIVER, WASH.,-----	-----	-----	-----	-----	25,112	-----	25,112	.04	-----
COMLITZ RIVER, WASH.,-----	-----	-----	-----	-----	-----	700	700	.01	-----
CLATSkanie RIVER, OREG.,-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
WESTPORT SLOUGH, OREG.,-----	-----	-----	-----	-----	14,290	-----	14,290	.03	-----
ELKOHIN SLOUGH, WASH.,-----	-----	-----	-----	-----	35,524	-----	35,524	.06	-----
SKAMOKAWA (STEAMBOAT) SLOUGH, WASH.,-----	-----	-----	-----	-----	1,012	-----	1,012	.01	-----
SKAMOKAWA CREEK, WASH.,-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
GRAYS RIVER, WASH.,-----	-----	-----	-----	-----	30	-----	30	.01	-----
DEEP RIVER, WASH.,-----	-----	-----	-----	-----	102,670	-----	102,670	.32	-----
YOUNGS BAY AND YOUNGS RIVER, OREG.,-----	-----	-----	-----	-----	260,667	120,900	380,667	.69	-----
SKIPANOH CHANNEL, OREG.,-----	-----	-----	-----	-----	46,716	-----	46,716	.08	-----
CHINOOK CHANNEL, WASH.,-----	-----	-----	-----	-----	2,661	-----	2,661	.01	-----
COLUMBIA RIVER AT BAKERS BAY, WASH.,-----	-----	-----	-----	-----	5,246	-----	5,246	.01	-----
TOTAL (UNADJUSTED)-----	3,050,799	10,640,610	3,770,536	507,124	33,011,889	6,545,277	56,334,235	-----	19,060,629
PERCENT (UNADJUSTED)-----	5.42	33.10	6.69	.90	42.27	11.62	-----	100.00	-----
NET VOLUME OF TONNAGE FOR THE BASIN-----	3,050,799	10,640,610	3,770,536	507,124	11,900,914	6,545,277	44,431,260	-----	-----
PERCENT (ADJUSTED)-----	6.07	41.97	8.49	1.14	26.00	14.73	-----	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 DEPTH: 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 DEPTH: 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	
1973	3,241,298	14,070,204	5,100,877	1,078,410	23,506,797	1978	4,323,696	16,510,367	5,122,700	909,650	26,866,509
1974	4,244,770	13,611,300	3,823,390	941,493	22,620,953	1979	4,755,200	17,693,640	6,008,252	1,019,041	29,676,213
1975	3,891,010	13,060,299	3,773,085	864,565	21,507,759	1980	4,452,226	19,667,507	5,224,056	802,460	30,206,253
1976	3,768,505	14,606,097	3,978,802	1,772,094	24,126,030	1981	3,821,723	19,963,621	4,369,793	447,875	28,603,212
1977	4,045,315	12,821,303	4,213,070	813,554	21,893,330	1982	3,050,799	10,640,610	3,770,603	507,124	25,977,136

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY
(CONSOLIDATED REPORT)

SECTION INCLUDED: MOUTH TO INTERNATIONAL BOUNDARY, A DISTANCE OF 745 MILES. CONTROLLING DEPTH: 38 FEET OR BETTER BETWEEN MOUTH OF COLUMBIA RIVER AND MOUTH OF WILLAMETTE RIVER; 30 FEET TO LOWER TURNING BASIN, VANCOUVER, WASH.; OTHER CHANNEL DEPTHS RANGE FROM 15 TO 4 FEET. PROJECT DEPTH: 40 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
1973	31,539,307	2,074,200	34,413,507	278	1978	37,072,172	5,052,629	43,724,801	91,601
1974	31,493,812	8,055,230	39,149,042	430	1979	41,109,227	5,069,843	47,059,070	117,301
1975	30,315,309	7,006,160	38,121,549	10,416	1980	42,924,434	6,254,550	49,170,984	81,303
1976	33,804,924	8,096,057	41,960,981	42,262	1981	40,995,167	4,070,819	45,065,986	81,647
1977	31,627,507	6,914,260	38,541,767	62,606	1982	37,296,850	4,360,429	41,665,287	60,051

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

41

FREIGHT TRAFFIC, 1982

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL	25,977,069	1,188,798	7,448,692	1,862,001	11,199,918	334,753	129,078	3,435,793	376,050
0101 COTTON, RAW	369				369				
0102 BARLEY AND RYE	917,909		180,483		757,426				
0103 CORN	177,713		175,906		1,607				
0104 OATS	326				326				
0106 SORGHUM GRAINS	93,431		46,225		47,206				
0107 MEAT	10,854,573		2,665,211		8,169,262		20,100		
0111 SOYBEANS	60,430		6,329		54,101				
0119 OILSEEDS, NEC	68				15				
0121 TOBACCO, LEAF	787				787				
0129 FIELD CROPS, NEC	16,127		1,302		14,716				
0131 FRESH FRUITS	3,658				1,862			739	1,057
0132 BANANAS AND PLANTAINS	11				11				
0133 COFFEE	1,127				1,127				
0141 FRESH AND FROZEN VEGETABLES	61,391		14,283		36,615				10,111
0151 LIVE ANIMALS	244				244				
0161 ANIMALS AND PRODUCTS, NEC	2,283				2,019				
0191 MISCELLANEOUS FARM PRODUCTS	235				150			50	
0801 CRUDE RUBBER AND ALLIED GUMS	2,365			2,362	3				
0801 FOREST PRODUCTS, NEC	678	11		68	78			19	502
0911 FRESH FISH, EXCEPT SHELLFISH	4,139	43		119	3,977				
0912 SHELLFISH, EXCEPT PREPARED	543			150	256				129
1021 COPPER ORE AND CONCENTRATES	63,269		63,269						
1051 ALUMINUM ORES, CONCENTRATES	1,179,916	738,760		441,143	13				
1061 MANGANESE ORES, CONCENTRATES	57				57				
1091 NONFERROUS ORES, CONCENT, NEC	18,675	8,486		9,972	276				19
1121 COAL AND LIGNITE	4,508			4,498	10				
1311 CRUDE PETROLEUM	249,738	20,878		17,165				211,695	
1411 LIMESTONE	49,905			49,962	23				
1412 BUILDING STONE, UNWORKED	153				153				
1442 SAND, GRAVEL, CRUSHED ROCK	148,665			136,860				3,805	
1451 CLAY	229,869	111	21,769	189	207,800				
1491 SALT	410,194	239,625		170,504					67
1499 NONMETALLIC MINERALS, NEC	33,704		60	1,244	23,158				9,282
1911 ORDNANCE AND ACCESSORIES	46		5		41				
2011 MEAT, FRESH, CHILLED, FROZEN	5,764			26	5,665			4	69
2012 MEAT AND PRODUCTS, NEC	51				51				
2014 TALLOW, ANIMAL FATS AND OILS	4,493				4,493				
2019 ANIMAL BY-PRODUCTS, NEC	37,737			22	37,715				
2021 DAIRY PRODUCTS, NEC	494			353					141
2022 DRIED MILK AND CREAM	3,252			1	3,251				
2031 FISH AND SHELLFISH, PREPARED	3,293	13	22	1,770	1,488				
2032 VEGETABLES AND PREP, NEC	97,923		27	4,181	51,931			428	1,356
2039 PREP FRUIT AND VEG JUICE, NEC	21,779	274	41	6,496	6,254			8,574	135
2041 WHEAT FLOUR AND SEMOLINA	10,390		3,656		6,734				
2042 ANIMAL FEEDS	127,414		98,281		17,564				11,627
2049 GRAIN MILL PRODUCTS, NEC	6,290			46	6,224				
2061 SUGAR	11,009		11,009						
2062 MOLASSES	35,321			4,885				30,436	
2081 ALCOHOLIC BEVERAGES	10,239	39		4,402	1,450				4,148
2091 VEGETABLE OILS, MARK, SHORT	71,050			69,520	445				1,085
2094 GROCERIES	208							2	206
2099 MISCELLANEOUS FOOD PRODUCTS	23,471	36	211	548	21,504			14	1,150
2111 TOBACCO MANUFACTURES	5			5					
2211 BASIC TEXTILE PRODUCTS	6,830	53	3	6,583	183				8
2311 APPAREL	2,203	249	1	1,895	38				
2411 LOGS	3,525,774		3,245,947		279,691				136
2413 FUEL WOOD, CHARCOAL, WASTES	1,577				236			9	1,332
2414 TIMBER, POSTS, POLES, PILING	5,289		3,846		1,445				
2416 WOOD CHIPS, STAVES, HOLDINGS	980,093		244,762	1,660	733,581				
2421 LUMBER	500,139	8,008	190,172	1,896	179,115	2,053	43,435	324	55,136
2431 VENEER, PLYWOOD, WORKED WOOD	92,589	23,210	17,001	6,931	32,317				12,808
2491 WOOD MANUFACTURES, NEC	18,058	1,972	1,103	2,030	5,284				6,469
2511 FURNITURE AND FIXTURES	2,192	79		1,004	279			207	623
2611 PULP	57,274	2,293	50,255	67	4,659				
2621 STANDARD NEWSPRINT PAPER	552								552
2631 PAPER AND PAPERBOARD	444,398	810	300,277	21,758	135,140				6,413
2691 PULP AND PAPER PRODUCTS, NEC	16,965		378	29	86				16,476
2711 PRINTED MATTER	339	14	3	258	64				
2810 SODIUM HYDROXIDE	67,700						26,200	12,000	29,500
2811 CRUDE TAR, OIL, GAS PRODUCTS	9,897							9,897	
2812 DYES, PIGMENTS, TANNING MATS	241				1				240
2816 RADIOACTIVE MATERIALS, WASTES	6								
2819 BASIC CHEMICALS AND PROD, NEC	465,469	30,782	34,463	17,939	53,745	50,254	1,200	267,895	9,191
2821 PLASTIC MATERIALS	1,825				870				409
2822 SYNTHETIC RUBBER	3				1				
2823 SYNTHETIC (MAN-MADE) FIBERS	621			603	18				
2831 DRUGS	101	23		16	62				
2841 SOAP	224			162	62				
2851 PAINTS	500	1		279	220				
2861 GUM AND WOOD CHEMICALS	20			19	1				
2871 NITROGENOUS CHEM FERTILIZERS	236,252	12,500		7,496			16,317	136,524	63,415
2873 PHOSPHATIC CHEM FERTILIZERS	60				60				
2876 INSECTICIDES, DISINFECTANTS	373			202	105				66
2879 FERTILIZER AND MATERIALS, NEC	566		566						
2891 MISCELLANEOUS CHEMICAL PROD	25,149	81	9	207	458			12,488	11,906
2911 GASOLINE	592,872	44,631		93,860	41			454,340	
2912 JET FUEL	56,852							56,852	
2913 KEROSENE	854							854	
2914 DISTILLATE FUEL OIL	740,470			5,026	22,735	7,376		637,980	67,353

Waterborne Commerce of the United States, 1982

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

FREIGHT TRAFFIC, 1982--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
2915 RESIDUAL FUEL OIL-----	1,765,015			33,532		267,177		1,452,256	12,050
2916 LUBRICATING OILS AND GREASES-----	62,345				155			62,390	
2917 NAPHTHA, PETROLEUM SOLVENTS-----	9,956							1,832	8,124
2918 ASPHALT, TAR, AND PITCHES-----	113,449			34,926	2	7,893		64,568	6,260
2920 COKE, PETROLEUM COKE-----	78,253			41,137	37,116				
2951 ASPHALT BUILDING MATERIALS-----	288				288				
2991 PETROLEUM AND COAL PROD, NEC-----	42			42					
3011 RUBBER AND MISC PLASTIC PROD-----	9,366	12	8	7,942	293			7	1,104
3111 LEATHER AND LEATHER PRODUCTS-----	6,506	55	3	6,187	261				
3211 GLASS AND GLASS PRODUCTS-----	973			840	118				15
3241 BUILDING CEMENT-----	5,701				74			5,408	219
3251 STRUCTURAL CLAY PRODUCTS-----	437				295				129
3281 CUT STONE AND STONE PRODUCTS-----	73				73				
3291 MISC NONMETALLIC MINERAL PROD-----	9,001	3	7	1,990	771			3,051	3,179
3312 SLAG-----	631								631
3314 IRON AND STEEL PRIMARY FORMS-----	153				13				134
3315 IRON, STEEL SHAPES, EXC SHEET-----	209,173	21,212	1	187,358	25				577
3316 IRON AND STEEL PLATES, SHEETS-----	48,725	3,345	3	43,776	17				1,584
3317 IRON AND STEEL PIPE AND TUBE-----	70,578	19,038	173	50,970	212				
3318 FERROALLOYS-----	6,976	3,417		1,397	162				
3319 IRON AND STEEL PRODUCTS, NEC-----	2,480			2,390	90				
3321 NONFERROUS METALS, NEC-----	822		2	699	50				71
3322 COPPER ALLOYS, UNWORKED-----	493			384	109				
3323 LEAD AND ZINC, UNWORKED-----	4,188		190	422	3,376				
3324 ALUMINUM AND ALLOYS, UNWORKED-----	70,254		60,905	62	9,287				
3411 FABRICATED METAL PRODUCTS-----	36,584	631	2,171	26,100	1,743				5,939
3511 MACHINERY, EXCEPT ELECTRICAL-----	29,957	21	1,408	21,262	5,429		1,500	72	265
3611 ELECTRICAL MACH AND EQUIP-----	8,381	416	55	5,624	876				1,410
3711 MOTOR VEHICLES, PARTS, EQUIP-----	302,433	6,554	121	291,919	1,689			612	1,538
3721 AIRCRAFT AND PARTS-----	3				3				
3731 SHIPS AND BOATS-----	97	1	22	69	2				3
3791 MISC TRANSPORTATION EQUIPMENT-----	384		51	195	93			2	43
3811 INSTR, TIMEC, PHOTO, OPT GOODS-----	1,819	3	6	900	110				
3911 MISC MANUFACTURED PRODUCTS-----	2,450	125	14	899	842			58	716
4011 IRON AND STEEL SCRAP-----	178,435			181	178,034			210	
4012 NONFERROUS METAL SCRAP-----	21,864		6,225		15,639				
4022 TEXTILE WASTE, SCRAP, SWEEP-----	71		18	40	13				
4024 PAPER WASTE AND SCRAP-----	13,480		40		13,000				
4112 COMMODITIES, NEC-----	10,490	1,027		541	61			271	8,790
4119 EMPTY CONTAINERS-----	125							125	
9999 DEPARTMENT OF DEFENSE AND SCT-----	410				410				

TON-MILES, OCEANGOING, 2,481,756,125.

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
TOTAL-----	15,688,218	4,635,460	2,412,759	1,862,882	3,135,454	832,534	2,809,169
0102 BARLEY AND RYE-----	220,984	48,488	33,343		20,329		118,866
0103 CORN-----	2,580		465		2,037		78
0107 WHEAT-----	5,224,040	1,192,917	934,487	10,809	809,836		2,275,991
0111 SOYBEANS-----	154						
0122 HAY AND FORAGE-----	5,201	18	3,013		2,170		
0129 FIELD CROPS, NEC-----	813		411				402
0141 FRESH AND FROZEN VEGETABLES-----	6,504	437	1,075			102	4,890
0151 LIVE ANIMALS-----	71				71		
0161 ANIMALS AND PRODUCTS, NEC-----	951		951				
0911 FRESH FISH, EXCEPT SHELLFISH-----	24,436		2,332	1,522	16,036	4,546	
0912 SHELLFISH, EXCEPT PREPARED-----	8,290	67			6,905	1,326	
1402 SAND, GRAVEL, CRUSHED ROCK-----	1,192,030	492,337	28,010		211,303	253,344	215,836
1499 NONMETALLIC MINERALS, NEC-----	164						166
2015 ANIMAL BY-PRODUCTS, NEC-----	13,328		12,209		642		477
2034 VEGETABLES AND PREP, NEC-----	1,198	156	175			22	845
2042 ANIMAL FEEDS-----	255		255				
2049 GRAIN MILL PRODUCTS, NEC-----	174		174				
2062 MOLASSES-----	39,142	11,644					27,298
2081 ALCOHOLIC BEVERAGES-----	76	76					
2411 LOGS-----	29,224	17,315	3,265	728	86	1,100	6,730
2412 RAFTED LOGS-----	4,368,429	514,343	461,615	1,718,360	1,543,076	120,100	10,927
2413 FUEL WOOD, CHARCOAL, WASTES-----	14,751	6,591	100		8,060		
2414 TIMBER, POSTS, POLES, PILING-----	558	258	264			36	
2416 WOOD CHIPS, STAVES, MOLDINGS-----	507,284	73,013		1,400	432,831		
2421 LUMBER-----	13		13				
2431 VENEER, PLYWOOD, WORKED WOOD-----	11,768		11,768				
2511 FURNITURE AND FIXTURES-----	5	5					
2611 PULP-----	249,151		249,151				
2691 PULP AND PAPER PRODUCTS, NEC-----	633,124	4,640	549,504	14,520	4,367	25,882	34,283
2819 BASIC CHEMICALS AND PROD, NEC-----	15,197	1,796	10,899	2,302			
2821 PLASTIC MATERIALS-----	1,502			1,502			
2871 NITROGENOUS CHEM FERTILIZERS-----	76,468	13,448	22,443	19,235	13,152	4,114	3,676
2891 MISCELLANEOUS CHEMICAL PROD-----	69					69	
2911 GASOLINE-----	608,597	327,480	37,368		20,444	198,322	24,983
2912 JET FUEL-----	16,949	2,241				14,708	
2914 DISTILLATE FUEL OIL-----	633,555	394,965	55,294	9,667	32,167	137,402	4,868

PORTLAND, OR, DISTRICT

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

FREIGHT TRAFFIC, 1982--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
2015 RESIDUAL FUEL OIL-----	941,615	733,376	1,460	64,699	1,960	61,149	78,951
2016 ASPHALT, TAR, AND BITUMEN-----	4,306	469	-----	-----	-----	3,917	-----
3011 RUBBER AND MISC PLASTIC PROD-----	107	107	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	34	34	-----	-----	-----	-----	-----
3271 LIME-----	1,029	1,029	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	1,675	1,675	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,515	1,515	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	46	46	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	630	156	174	8	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	819,832	792,000	-----	17,850	9,982	-----	-----
4119 EMPTY CONTAINERS-----	9,494	1,950	387	-----	-----	6,367	790
TON-MILES, INTERNAL, 1,826,977,626.							
TONS, ALL TRAFFIC, 41,665,287.							
TON-MILES, ALL TRAFFIC, 4,308,733,791.							

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, 30 FEET; IN THE REACH OF COLUMBIA RIVER FROM THE MOUTH OF WILLAMETTE RIVER TO THE LOWER TURNING BASIN AT VANCOUVER, WASH., 30 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
1973-----	32,650,937	1,676,964	34,327,921	255	1978-----	39,962,712	5,091,549	45,054,261	48,878
1974-----	32,675,408	7,482,190	40,157,598	630	1979-----	42,124,171	5,264,395	47,388,566	89,075
1975-----	31,680,526	6,926,414	38,606,940	11,159	1980-----	43,251,649	5,694,866	48,946,515	49,531
1976-----	35,043,139	7,351,983	42,395,122	24,648	1981-----	41,779,923	4,136,724	45,916,647	41,246
1977-----	33,426,301	6,063,007	39,489,308	36,810	1982-----	37,515,291	3,908,164	41,423,455	24,394

FREIGHT TRAFFIC, 1982

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN			DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH UPBOUND	RECEIPTS	SHIPMENTS	THROUGH	
							UPBOUND	DOWNBOUND
TOTAL-----	25,977,069	3,038,144	18,648,610	12,655	3,739,300	410,832	31,236	96,292
0101 COTTON, RAW-----	369	-----	369	-----	-----	-----	-----	-----
0102 BARLEY AND RYE-----	937,909	-----	937,909	-----	-----	-----	-----	-----
0103 CORN-----	177,713	-----	177,713	-----	-----	-----	-----	-----
0104 OATS-----	326	-----	326	-----	-----	-----	-----	-----
0106 BORGHUM GRAINS-----	93,431	-----	93,431	-----	-----	-----	-----	-----
0107 WHEAT-----	10,834,573	-----	10,834,573	-----	-----	20,100	-----	-----
0111 SOYBEANS-----	60,430	-----	60,430	-----	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	46	15	53	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	787	787	-----	-----	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	16,127	109	16,018	-----	-----	-----	-----	-----
0131 FRESH FRUITS-----	3,650	-----	1,642	-----	142	412	597	645
0132 BANANAS AND PLANTAINS-----	11	11	-----	-----	-----	-----	-----	-----
0133 COFFEE-----	1,127	1,127	-----	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	61,391	182	51,098	-----	-----	2,516	-----	7,595
0151 LIVE ANIMALS-----	264	-----	264	-----	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	2,203	264	2,019	-----	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	235	150	26	-----	28	-----	31	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	2,365	2,362	3	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	678	79	78	-----	-----	63	19	439
0911 FRESH FISH, EXCEPT SHELLFISH-----	4,139	162	3,977	-----	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	543	158	385	-----	-----	-----	-----	129
1021 COPPER ORE AND CONCENTRATES-----	63,249	-----	63,249	-----	-----	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	1,179,916	1,179,903	13	-----	-----	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	57	-----	57	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	18,675	18,378	297	-----	-----	19	-----	-----
1121 COAL AND LIGNITE-----	4,598	4,498	10	-----	-----	-----	-----	-----
1311 CRUDE PETROLEUM-----	249,738	30,043	-----	-----	211,695	-----	-----	-----
1411 LIMESTONE-----	49,985	37,307	23	12,655	-----	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	153	-----	153	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	140,665	136,860	-----	-----	3,805	-----	-----	-----
1451 LLA-----	229,869	300	229,569	-----	-----	-----	-----	-----
1491 BALT-----	410,194	410,129	-----	-----	-----	-----	-----	67
1499 NONMETALLIC MINERALS, NEC-----	33,704	1,244	23,218	-----	-----	2,507	-----	6,735
1911 ORDNANCE AND ACCESSORIES-----	46	-----	46	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	5,764	26	5,665	-----	3	29	1	49

Waterborne Commerce of the United States, 1982

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

FREIGHT TRAFFIC, 1982--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE				
		IMPORTS	EXPORTS	THROUGH UPBOUND	RECEIPTS	SHIPMENTS	UPBOUND	THROUGH DOWNBOUND
2012 MEAT AND PRODUCTS, NEC-----	51		51					
2014 TALLOW, ANIMAL FATS AND OILS-----	4,493		4,493					
2015 ANIMAL BY-PRODUCTS, NEC-----	37,737	22	37,715					
2021 DAIRY PRODUCTS, NEC-----	498	353				71		70
2022 DRIED MILK AND CREAM-----	3,252		3,251					
2031 FISH AND SHELLFISH, PREPARED-----	3,293	1,783	1,510					
2034 VEGETABLES AND PREP, NEC-----	57,923	4,181	51,958		231	267	197	1,089
2039 PREP FRUIT AND VEG JUICE, NEC-----	21,779	6,775	6,295		2,651	30	5,923	105
2041 WHEAT FLOUR AND SEMOLINA-----	10,390		10,390					
2042 ANIMAL FEEDS-----	127,414		115,787			1,022		10,605
2049 GRAIN MILL PRODUCTS, NEC-----	6,290	66	6,224					
2061 SUGAR-----	11,009		11,009					
2062 MOLASSES-----	35,321	4,885			7,155		23,281	
2081 ALCOHOLIC BEVERAGES-----	10,239	4,441	1,650			315		3,833
2091 VEGETABLE OILS, MARG, SMRY-----	71,050	69,520	445			44		1,041
2094 GROCERIES-----	208					1		169
2099 MISCELLANEOUS FOOD PRODUCTS-----	23,471	584	21,715		14	178		980
2111 TOBACCO MANUFACTURES-----	5	5						
2211 BASIC TEXTILE PRODUCTS-----	6,830	6,636	186					8
2311 APPAREL-----	2,203	2,164	39					
2411 LOGS-----	3,525,774		3,525,634			136		
2413 FUEL WOOD, CHARCOAL, WASTES-----	1,577		236			269		1,063
2414 TIMBER, POSTS, POLES, PILING-----	5,289		5,289					
2416 WOOD CHIPS, STAVES, MOLDINGS-----	980,003	1,660	978,343					
2421 LUMBER-----	500,139	9,904	369,287		2,159	114,180	218	4,391
2431 VENEER, PLYWOOD, WORKED WOOD-----	92,589	30,141	49,318			10,764		2,366
2491 WOOD MANUFACTURES, NEC-----	18,658	4,002	6,387			5,241		3,228
2511 FURNITURE AND FIXTURES-----	2,192	1,083	279		100	174	107	499
2611 PULP-----	57,274	2,360	58,914					
2621 STANDARD NEWSPRINT PAPER-----	552							552
2631 PAPER AND PAPERBOARD-----	464,398	22,568	435,417			2,175		4,238
2691 PULP AND PAPER PRODUCTS, NEC-----	16,945	29	460			2,669		13,807
2711 PRINTED MATTER-----	339	272	67					
2810 SODIUM HYDROXIDE-----	67,700				12,000	55,700		
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	9,897				9,897			
2812 DYES, PIGMENT, TANNING MATS-----	4		1			20		220
2814 RADIOACTIVE MATERIALS, WASTES-----	6	6						
2819 BASIC CHEMICALS AND PROD, NEC-----	465,449	48,721	88,204		314,127	8,793	22	1,598
2821 PLASTIC MATERIAL-----	1,425	546	870			107		302
2822 SYNTHETIC RUBBER-----	3		3					
2823 SYNTHETIC (MAN-MADE) FIBERS-----	621	603	18					
2831 DRUGS-----	101	39	62					
2841 SOAP-----	224	162	62					
2851 PAINTS-----	500	280	220					
2861 GUM AND WOOD CHEMICALS-----	20	19	1					
2871 NITROGENOUS CHEM FERTILIZERS-----	236,252	19,996			136,524	70,933		8,799
2873 PHOSPHATIC CHEM FERTILIZERS-----	60		60					
2876 INSECTICIDES, DISINFECTANTS-----	373	202	105			18		48
2879 FERTILIZER AND MATERIALS, NEC-----	566		566					
2891 MISCELLANEOUS CHEMICAL PROD-----	25,149	288	467		12,488	11,906		
2911 GASOLINE-----	592,872	138,491	41		454,300			
2912 JET FUEL-----	56,832				56,832			
2913 KEROSENE-----	654				654			
2914 DISTILLATE FUEL OIL-----	740,470	5,026	22,735		645,356	67,353		
2915 RESIDUAL FUEL OIL-----	1,765,015	33,532			1,719,433	12,050		
2916 LUBRICATING OILS AND GREASES-----	62,545		155		62,390			
2917 NAPHTHA, PETROLEUM SOLVENTS-----	9,956				1,832	8,124		
2918 ASPHALT, TAR, AND PITCHES-----	113,449	34,926	2		72,261	1,585		4,675
2920 COKE, PETROLEUM COKE-----	78,253	41,137	37,116					
2931 ASPHALT BUILDING MATERIALS-----	288		288					
2991 PETROLEUM AND COAL PROD, NEC-----	42	42						
3011 RUBBER AND MISC PLASTIC PROD-----	9,366	7,954	301		7	729		375
3111 LEATHER AND LEATHER PRODUCTS-----	6,506	6,242	264					
3211 GLASS AND GLASS PRODUCTS-----	973	840	118					15
3241 BUILDING CEMENT-----	5,701		74		5,404	61		158
3251 STRUCTURAL CLAY PRODUCTS-----	437	295	13			129		
3281 CUT STONE AND STONE PRODUCTS-----	73	73						
3291 MISC NONMETALLIC MINERAL PROD-----	9,001	1,993	778		3,051	1,015		2,164
3312 SLAG-----	631					314		317
3314 IRON AND STEEL PRIMARY FORMS-----	153	13	6			60		74
3315 IRON, STEEL SHAPES, EXC SHEET-----	204,173	208,570	26			577		
3316 IRON AND STEEL PLATES, SHEETS-----	44,725	47,121	20			380		1,204
3317 IRON AND STEEL PIPE AND TUBE-----	70,578	70,009	385			65		119
3318 FERROALLOYS-----	4,976	4,814	162					
3319 IRON AND STEEL PRODUCTS, NEC-----	2,480	2,390	90					
3321 NONFERROUS METALS, NEC-----	822	699	52			71		
3322 COPPER ALLOYS, UNWORKED-----	493	384	109					
3323 LEAD AND ZINC, UNWORKED-----	4,188	622	3,566					
3324 ALUMINUM AND ALLOYS, UNWORKED-----	70,254	62	70,192					
3411 FABRICATED METAL PRODUCTS-----	36,584	26,731	3,914			2,818		3,121
3511 MACHINERY, EXCEPT ELECTRICAL-----	29,957	21,283	6,837		6	142	66	1,623
3611 ELECTRICAL MACH AND EQUIP-----	9,381	6,900	931			202		1,208
3711 MOTOR VEHICLES, PARTS, EQUIP-----	302,433	298,473	1,810		182	596	430	942
3721 AIRCRAFT AND PARTS-----	3		3					
3731 SHIPS AND BOATS-----	97	70	24					3
3791 MISC TRANSPORTATION EQUIPMENT-----	384	195	144		2	43		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,019	903	116					
3911 MISC MANUFACTURED PRODUCTS-----	2,650	1,024	456		13	47	41	669
4011 IRON AND STEEL SCRAP-----	170,435	191	170,034		141		69	
4012 NONFERROUS METAL SCRAP-----	21,864		21,864					
4022 TEXTILE WASTE, SCRAP, SWEEP-----	71	40	31					

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FREIGHT TRAFFIC, 1982--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE				
		IMPORTS	EXPORTS	THROUGH UPBOUND	RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND
4026 PAPER WASTE AND SCRAP-----	13,480		13,480					
4112 COMMODITIES, NEC-----	10,690	1,568	61		114	3,835	157	4,955
4119 EMPTY CONTAINERS-----	125				5A		67	
9999 DEPARTMENT OF DEFENSE AND SCI-----	410		410					
TON-MILES, OCEANGOING, 2,481,732,225.								

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
TOTAL	15,446,386	8,265,725	2,445,949	2,135,037	1,938,700	351,372	259,513
0102 BARLEY AND RYE	220,986	216,137			4,849		
0103 CORN	2,580	2,037					543
0107 WHEAT	5,235,173	5,186,630	7,866	28,725	11,952		
0111 SOYBEANS	154						154
0122 HAY AND FODDER	5,201	2,170				18	3,013
0129 FIELD CROPS, NEC	813	269					544
0141 FRESH AND FROZEN VEGETABLES	6,504	2,605				830	3,899
0161 ANIMALS AND PRODUCTS, NEC	951	545					406
0911 FRESH FISH, EXCEPT SHELLFISH	22,914	16,036			157	4,546	2,175
0912 SHELLFISH, EXCEPT PREPARED	8,298	6,972				1,326	
1411 LIMESTONE	1,621,785	1,131,038	31,023	950	71,160	212,451	175,143
1402 SAND, GRAVEL, CRUSHED ROCK	16,309		16,309				
1451 CLAY	168						168
1499 NONMETALLIC MINERALS, NEC	13,328	2,082					11,246
2015 ANIMAL BY-PRODUCTS, NEC	1,198	156				22	1,020
2034 VEGETABLES AND PREP, NEC	255	185					70
2042 ANIMAL FEEDS	11,065		10,891				174
2049 GRAIN MILL PRODUCTS, NEC	39,142	27,294	11,844				
2062 MOLLUSCS	76					76	
2081 ALCOHOLIC BEVERAGES	14,842	6,346	3,265	728	86	1,100	1,317
2411 LOGS	3,908,164	747,513	542,955	1,140,124	1,328,240	121,840	27,738
2412 RAFTED LOGS	14,751	14,651				100	
2413 FUEL WOOD, CHARCOAL, WASTES	71,082	36	500			58	
2414 MILL PESTS, EXC. MOLDINGS	500,206	497,776		1,400			974
2416 WOOD CHIPS, WOODS, MOLDINGS	13				13		
2421 LUMBER	11,768			11,768			
2431 VENEER, PLYWOOD, WORKED WOOD	5					5	
2511 FURNITURE AND FIXTURES	249,151		249,151				
2611 PULP	727,111	360,683	95,108	239,031		806	31,483
2691 PULP AND PAPER PRODUCTS, NEC	4,298		4,298				
2819 BASIC CHEMICALS AND PROD, NEC	1,502		1,502				
2821 PLASTIC MATERIALS	37,447	10,875	25,372	1,200			
2871 NITROGENOUS CHEM FERTILIZERS	69		69				
2891 MISCELLANEOUS CHEMICAL PROD	635,030	27,594	513,767	44,347	49,322		
2911 GASOLINE	16,949		16,949				
2912 JET FUEL	840,269	4,060	504,392	52,806	79,211		
2913 DISTILLATE FUEL OIL	1,286,338		324,934	576,001	380,533		
2915 RESIDUAL FUEL OIL	4,386		4,386				
2918 ASPHALT, TAR, AND PITCHES	3,655			3,655			
2991 PETROLEUM AND COAL PROD, NEC	107					107	
3011 RUBBER AND MISC PLASTIC PROD	34		17			17	
3211 GLASS AND GLASS PRODUCTS	1,029		1,029				
3271 LIME	1,675				1,675		
3291 MISC NONMETALLIC MINERAL PROD	1,515				1,515		
3315 IRON, STEEL SHAPES, EXC SHEET	66			20		46	
3411 FABRICATED METAL PRODUCTS	230			168		37	
3511 MACHINERY, EXCEPT ELECTRICAL	167,812		127,000	30,830	9,982		
4029 WASTE AND SCRAP, NEC	9,208		19	824		7,493	872
4119 EMPTY CONTAINERS							

TONS, ALL TRAFFIC, 41,423,455.
TON-MILES, ALL TRAFFIC, 2,766,663,394.

Waterborne Commerce of the United States, 1982

YOUNGS BAY AND YOUNGS RIVER, OREG.

SECTION INCLUDED: FROM COLUMBIA RIVER TO FOOT OF HAVEN ISLAND, A DISTANCE OF 6.7 MILES. CONTROLLING DEPTH: 9 FEET IN YOUNGS BAY. PROJECT DEPTH: 10 FEET FROM COLUMBIA RIVER TO FOOT OF HAVEN ISLAND, A DISTANCE OF ABOUT 2.5 MILES ACROSS YOUNGS BAY; 4 MILES IN YOUNGS RIVER.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1973-----	31	80,986	80,977	1978-----	19,880	725,776	725,776
1974-----	64	856,402	856,466	1979-----	19,880	559,669	579,549
1975-----	1,004	927,410	928,414	1980-----	19,491	705,803	725,294
1976-----	534	1,084,602	1,087,140	1981-----	51,529	441,989	533,518
1977-----	546	923,327	923,873	1982-----	16,649	372,998	389,647

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL		
		INBOUND	OUTBOUND	UPBOUND
TOTAL-----	349,647	91,452	177,215	120,980
0107 WHEAT-----	6,509		6,509	
1442 SAND, GRAVEL, CRUSHED ROCK-----	280	280		
2412 RAFTED LOGS-----	372,998	81,312	170,706	120,980
2915 RESIDUAL FUEL OIL-----	9,860	9,860		
TOTAL TON-MILES, 1,518,959.				

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: 36 FEET IN COLUMBIA RIVER AND 9 FEET IN YOUNGS BAY. PROJECT DEPTH: 40 FEET IN COLUMBIA RIVER AND 10 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
1973-----	1,726,891	100,395	1,827,286	14	1978-----	1,379,259	951,403	2,330,662	
1974-----	1,411,085	822,669	2,233,754	27	1979-----	1,507,240	929,857	2,437,137	752
1975-----	1,958,639	1,274,949	3,233,588	29	1980-----	1,565,869	871,316	2,437,185	370
1976-----	2,738,935	1,429,034	4,167,973	61	1981-----	1,434,549	598,963	2,033,492	468
1977-----	1,540,034	1,088,929	2,628,963	10	1982-----	1,272,911	634,601	1,907,512	178

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE	DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,907,512	9,225	908,299	52,441	801,244	74,077	61,806
0103 CORN-----	24,441		24,441				
0107 WHEAT-----	55,032		55,032				
0911 FRESH FISH, EXCEPT SHELLFISH-----	15,642	9			15,476	157	
0912 SHELLFISH, EXCEPT PREPARED-----	6,905				6,905		
1442 SAND, GRAVEL, CRUSHED ROCK-----	17,266				17,266		
2041 WHEAT FLOUR AND SEMOLINA-----	2,278		2,278				
2211 BASIC TEXTILE PRODUCTS-----	4	4					
2311 APPAREL-----	24	24					
2411 LOGS-----	823,050		823,050				
2412 RAFTED LOGS-----	634,601				586,863	47,738	
2414 TIMBER, POSTS, POLES, PILING-----	3,045		3,045				
2421 LUMBER-----	2,053			2,053			
2431 VENEER, PLYWOOD, WORKED WOOD-----	11,792	24				11,768	
2491 WOOD MANUFACTURES, NEC-----	16	16					
2511 FURNITURE AND FIXTURES-----	21	21					
2611 PULP-----	2,293	2,293					
2691 PULP AND PAPER PRODUCTS, NEC-----	6,754					6,754	
2911 GASOLINE-----	5,667				5,667		
2914 DISTILLATE FUEL OIL-----	38,729				33,962	377	4,390
2915 RESIDUAL FUEL OIL-----	250,612			50,404	135,105	7,283	57,416
3111 LEATHER AND LEATHER PRODUCTS-----	1						
3315 IRON, STEEL SHAPES, EXC SHEET-----	4,257	4,257					
3316 IRON AND STEEL PLATES, SHEETS-----	1,549	1,549					
3317 IRON AND STEEL PIPE AND TUBE-----	599						
3411 FABRICATED METAL PRODUCTS-----	418	418					
3511 MACHINERY, EXCEPT ELECTRICAL-----	330		330				
3611 ELECTRICAL MACH AND EQUIP-----	6	1	5				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	36		36				
3731 SHIPS AND BOATS-----	2		2				

PORTLAND, OR, DISTRICT

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PORT OF ASTORIA, OREG.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3791 MISC TRANSPORTATION EQUIPMENT-----	40			40				
3911 MISC MANUFACTURED PRODUCTS-----	1	1						
4112 COMMODITIES, NEC-----	8	8						

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: BRADWOOD, WAUNA, REAVER POINT, RAINIER AND PRESCOTT, OREG. AND Knappton, WASH. CONTROLLING DEPTH: 38 FEET. PROJECT
DEPTH: 40 FEET AT LOW WATER IN MAIN CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1973-----	1,291,798	357,728	1,649,526	1978-----	1,065,482	223,410	1,288,892
1974-----	1,549,375	267,627	1,817,002	1979-----	1,332,426	227,773	1,560,199
1975-----	1,157,773	413,722	1,571,495	1980-----	823,095	425,042	1,248,147
1976-----	1,043,325	346,474	1,389,799	1981-----	901,164	225,314	1,126,478
1977-----	1,199,627	271,579	1,471,206	1982-----	877,524	276,278	1,153,802

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	1,165,802	1,325	3,700	766,068	394,709
1442 SAND, GRAVEL, CRUSHED ROCK-----	454,798			454,798	
2412 RAFTED LOGS-----	278,278			197,915	80,363
2413 FUEL WOOD, CHARCOAL, WASTES-----	3,519			3,519	
2416 WOOD CHIPS, STAVES, MOLDINGS-----	24,513			24,513	
2421 LUMBER-----	3,700		3,700		
2691 PULP AND PAPER PRODUCTS, NEC-----	309,713			8,101	301,612
2914 DISTILLATE FUEL OIL-----	12,734				12,734
2915 RESIDUAL FUEL OIL-----	68,565	1,325		67,240	
4029 WASTE AND SCRAP, NEC-----	9,982			9,982	

PORT OF LONGVIEW, WASH.

SECTION INCLUDED: (INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.)
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
1973-----	5,444,493	414,949	5,859,442	34	1978-----	7,423,913	948,782	8,372,695	
1974-----	5,964,459	1,733,152	7,697,611	20	1979-----	8,959,861	1,540,409	10,500,270	
1975-----	5,648,647	1,731,772	7,380,419		1980-----	8,543,000	1,413,229	9,956,229	
1976-----	7,266,877	1,954,649	9,221,526		1981-----	8,515,266	1,140,750	9,656,016	
1977-----	6,664,771	1,504,615	8,169,386		1982-----	7,525,139	1,234,991	8,760,130	

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	8,760,130	543,401	5,236,975	218,797	86,257	1,445,245	1,147,778	44,637
0102 BARLEY AND RYE-----	150,771		123,210			27,561		
0103 CORN-----	96,079		96,019			60		
0104 BORGHUM GRAINS-----	46,225		46,225					
0107 WHEAT-----	2,724,271		1,428,432			595,834		
0111 SOYBEANS-----	6,329		6,329					
0122 HAY AND FODDER-----	2,170					2,170		
0129 FIELD CROPS, NEC-----	1,104		1,104					
0141 FRESH AND FROZEN VEGETABLES-----	14,199		14,110			89		
0801 FOREST PRODUCTS, NEC-----	11	11						

Waterborne Commerce of the United States, 1982

PORT OF LONGVIEW, WASH.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
0911 FRESH FISH, EXCEPT SHELLFISH-----	60	34				30		
1051 ALUMINUM ORES, CONCENTRATES-----	339,383	339,383						
1451 CLAY-----	21,880	111	21,769					
1491 SALT-----	239,625	239,625						
1499 NONMETALLIC MINERALS, NEC-----	41		41					
1911 ORDNANCE AND ACCESSORIES-----	5		5					
2015 ANIMAL BY-PRODUCTS, NEC-----	642					642		
2031 FISH AND SHELLFISH, PREPARED-----	1		1					
2034 VEGETABLES AND PREP, NEC-----	183		27			156		
2039 PREP FRUIT AND VEG JUICE, NEC-----	284		6					
2041 WHEAT FLOUR AND SEMOLINA-----	948		948					
2042 ANIMAL FEEDS-----	97,996		97,996					
2061 SUGAR-----	11,009		11,009					
2081 ALCOHOLIC BEVERAGES-----	2	2						
2099 MISCELLANEOUS FOOD PRODUCTS-----	5		5					
2211 BASIC TEXTILE PRODUCTS-----	27	27						
2311 APPAREL-----	246	245	1					
2411 LOGS-----	2,420,985		2,418,509			2,315	161	
2412 RAFTED LOGS-----	1,234,991					75,070	1,111,284	48,637
2413 FUEL WOOD, CHARCOAL, WASTES-----	11,132					11,132		
2414 TIMBER, POSTS, POLES, PILING-----	887		759			14	114	
2416 WOOD CHIPS, STAVES, MOLDINGS-----	719,477		244,762			474,715		
2421 LUMBER-----	181,872		122,137			59,735		
2431 VENEER, PLYWOOD, WORKED WOOD-----	11,821	549	10,950			322		
2491 WOOD MANUFACTURES, NEC-----	776		775					
2511 FURNITURE AND FIXTURES-----	58		58					
2611 PULP-----	49,591		49,591					
2631 PAPER AND PAPERBOARD-----	293,979		293,979					
2691 PULP AND PAPER PRODUCTS, NEC-----	1,058		374			684		
2711 PRINTED MATTER-----	12	11	1					
2810 SODIUM HYDROXIDE-----	26,200					26,200		
2819 BASIC CHEMICALS AND PROD, NEC-----	34,456	20	34,436					
2831 DRUGS-----	23	23						
2851 PAINTS-----	1	1						
2879 FERTILIZER AND MATERIALS, NEC-----	566		566					
2911 GASOLINE-----	33,037					33,037		
2914 DISTILLATE FUEL OIL-----	42,078					42,078		
2915 RESIDUAL FUEL OIL-----	391,984			210,904		179,693	1,387	
2918 ASPHALT, TAR, AND PITCHES-----	7,893			7,893				
3011 RUBBER AND MISC PLASTIC PROD-----	12	12						
3111 LEATHER AND LEATHER PRODUCTS-----	54	54						
3291 MISC NONMETALLIC MINERAL PROD-----	3	3						
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,104	1,104						
3317 IRON AND STEEL PIPE AND TUBE-----	287	287						
3323 LEAD AND ZINC, UNWORKED-----	190		190					
3324 ALUMINUM AND ALLOYS, UNWORKED-----	5,510		5,510					
3411 FARRICATED METAL PRODUCTS-----	145	34	111					
3511 MACHINERY, EXCEPT ELECTRICAL-----	326	11	315					
3611 ELECTRICAL MACH AND EQUIP-----	431	410	21					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	3	1	2					
3731 SHIPS AND BOATS-----	21	1	20					
3791 MISC TRANSPORTATION EQUIPMENT-----	11		11					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3	3						
3911 MISC MANUFACTURED PRODUCTS-----	111	111						
4011 IRON AND STEEL SCRAP-----	10	10						
4012 NONFERROUS METAL SCRAP-----	6,225		6,225					
4022 TEXTILE WASTE, SCRAP, SWEEP-----	18		18					
4024 PAPER WASTE AND SCRAP-----	480		480					
4029 WASTE AND SCRAP, NEC-----	27,832						27,832	
4112 COMMODITIES, NEC-----	981	981						

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
1973-----	1,164,927	216,861	1,381,788	1978-----	854,474	167,749	1,013,223
1974-----	1,157,673	94,632	1,252,305	1979-----	977,278	164,573	1,141,851
1975-----	1,362,097	186,785	1,548,882	1980-----	1,311,370	154,322	1,465,692
1976-----	1,073,862	211,014	1,284,876	1981-----	1,521,654	136,792	1,658,446
1977-----	671,322	187,652	858,974	1982-----	1,382,389	106,403	1,488,792

PORTLAND, OR, DISTRICT

PORT OF KALAMA, WASH.--CONTINUED

FREIGHT TRAFFIC, 1982

(SHORT TONS)

49

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS	INTERNAL SHIPMENTS
TOTAL-----	1,488,792	30,782	753,736	20,100	603,027	81,147
0102 BARLEY AND RYE-----	77,548		57,273		20,275	
0103 CORN-----	57,417		55,440		1,977	
0107 WHEAT-----	1,190,152		641,023	20,100	529,029	
0911 FRESH FISH, EXCEPT SHELLFISH-----	18					
1402 SAND, GRAVEL, CRUSHED ROCK-----	17,980				17,980	
2031 FISH AND SHELLFISH, PREPARED-----	13	13				
2412 RAFTED LOGS-----	106,403				25,406	80,997
2414 TIMBER, POSTS, POLES, PILING-----	150					150
2819 BASIC CHEMICALS AND PROD, NEC-----	30,762	30,762				
2914 DISTILLATE FUEL OIL-----	233				233	
2915 RESIDUAL FUEL OIL-----	4,882				4,882	
3291 MISC NONMETALLIC MINERAL PROD-----	1,675				1,675	
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,515				1,515	
3511 MACHINERY, EXCEPT ELECTRICAL-----	37				37	
3911 MISC MANUFACTURED PRODUCTS-----	7	7				

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 30 FEET IN REMAINDER OF CHANNEL. PROJECT DEPTH: 25 FEET DEEP AND 5,000 FEET LONG AT THE COLUMBIA RIVER END; 25 FEET DEEP AND 9,500 FEET LONG AT THE WILLAMETTE RIVER END.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1973-----	1,841,124	124,834	1,965,958	1978-----	1,656,217	584,880	2,241,097
1974-----	1,958,931	1,049,369	3,008,300	1979-----	1,348,658	756,553	2,105,211
1975-----	1,492,640	1,082,118	2,574,758	1980-----	1,120,079	770,197	1,890,276
1976-----	1,034,938	1,084,575	2,119,513	1981-----	1,251,192	435,287	1,686,479
1977-----	1,397,675	759,040	2,156,715	1982-----	1,079,191	521,972	1,601,163

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL			
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	1,601,163	546,324	991,892	16,699	46,246
1402 SAND, GRAVEL, CRUSHED ROCK-----	706,341		706,341		
2411 LOGS-----	2,417		2,417		
2412 RAFTED LOGS-----	521,972	224,084	230,943	16,699	46,246
2414 TIMBER, POSTS, POLES, PILING-----	36		36		
2416 WOOD CHIPS, STAVES, MOLDINGS-----	26,849		26,849		
2611 PULP-----	249,151	249,151			
2691 PULP AND PAPER PRODUCTS, NEC-----	25,306		25,306		
2915 RESIDUAL FUEL OIL-----	69,091	69,091			
TOTAL TON-MILES, 14,966,448,					

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
1973-----	171,625	173,215	344,840	1978-----	312,064	202,311	514,375
1974-----	262,300	258,921	521,221	1979-----	329,216	40,913	390,129
1975-----	193,237	169,267	362,504	1980-----	306,665	80,805	327,470
1976-----	132,669	200,700	423,369	1981-----	492,650	17,726	710,376
1977-----	158,611	131,768	290,379	1982-----	667,232	1,946	669,198

* PASSENGERS--6,194.

Waterborne Commerce of the United States, 1982

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

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND
TOTAL-----	669,198	31,236	91,892	293,047	253,003
0103 CORN-----	543			543	
0111 SOYBEANS-----	154			154	
0122 HAY AND FODDER-----	3,031			3,013	18
0129 FIELD CROPS, NEC-----	548			548	
0131 FRESH FRUITS-----	1,242	597	645		
0141 FRESH AND FROZEN VEGETABLES-----	11,494		7,595	3,449	450
0161 ANIMALS AND PRODUCTS, NEC-----	406			406	
0191 MISCELLANEOUS FARM PRODUCTS-----	31	31			
0801 FOREST PRODUCTS, NEC-----	458	19	439		
0912 SHELLFISH, EXCEPT PREPARED-----	129		129		
1442 SAND, GRAVEL, CRUSHED ROCK-----	413,024			198,188	214,836
1491 SALT-----	67		67		
1499 NONMETALLIC MINERALS, NEC-----	6,901		6,735	166	
2011 MEAT, FRESH, CHILLED, FROZEN-----	50	1	49		
2015 ANIMAL BY-PRODUCTS, NEC-----	11,246			11,246	
2021 DAIRY PRODUCTS, NEC-----	70		70		
2034 VEGETABLES AND PREP, NEC-----	2,320	197	1,049	1,020	22
2039 PREP FRUIT AND VEG JUICE, NEC-----	6,028	5,923	105		
2042 ANIMAL FEEDS-----	10,675		10,605	70	
2049 GRAIN MILL PRODUCTS, NEC-----	174			174	
2062 MOLASSES-----	50,579	23,281			27,298
2081 ALCOHOLIC BEVERAGES-----	3,909		3,833		76
2091 VEGETABLE OILS, MARG, SHORT-----	1,041		1,041		
2094 GROCERIES-----	170	1	169		
2099 MISCELLANEOUS FOOD PRODUCTS-----	980		980		
2211 BASIC TEXTILE PRODUCTS-----	8				
2412 RAFTED LOGS-----	1,966				1,966
2413 FUEL WOOD, CHARCOAL, WASTES-----	1,072	9	1,063		
2421 LUMBER-----	4,609	216	4,391		
2431 VENEER, PLYWOOD, WORKED WOOD-----	2,366		2,366		
2491 WOOD MANUFACTURES, NEC-----	3,228		3,228		
2511 FURNITURE AND FIXTURES-----	611	107	499		5
2621 STANDARD NEWSPRINT PAPER-----	552		552		
2631 PAPER AND PAPERBOARD-----	4,238		4,238		
2691 PULP AND PAPER PRODUCTS, NEC-----	45,866		13,807	31,483	576
2812 DYES, PIGMENT, TANNING MATS-----	220		220		
2819 BASIC CHEMICALS AND PROD, NEC-----	420	22	398		
2821 PLASTIC MATERIALS-----	302		302		
2871 NITROGENOUS CHEM FERTILIZERS-----	7,099		7,099		
2876 INSECTICIDES, DISINFECTANTS-----	48		48		
2914 DISTILLATE FUEL OIL-----	842			842	
2915 RESIDUAL FUEL OIL-----	40,897			40,897	
2918 ASPHALT, TAR, AND PITCHES-----	4,675		4,675		
3011 RUBBER AND MISC PLASTIC PROD-----	482		375		107
3211 GLASS AND GLASS PRODUCTS-----	32		15		17
3241 BUILDING CEMENT-----	158		158		
3291 MISC NONMETALLIC MINERAL PROD-----	2,164		2,164		
3312 SLAG-----	317		317		
3314 IRON AND STEEL PRIMARY FORMS-----	74		74		
3316 IRON AND STEEL PLATES, SHEETS-----	1,204		1,204		
3317 IRON AND STEEL PIPE AND TUBE-----	119		119		
3411 FABRICATED METAL PRODUCTS-----	3,167		3,121		46
3511 MACHINERY, EXCEPT ELECTRICAL-----	282	64	123		93
3611 ELECTRICAL MACH AND EQUIP-----	1,208		1,208		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,372	430	942		
3731 SHIPS AND BOATS-----	3		3		
3911 MISC MANUFACTURED PRODUCTS-----	710	41	669		
4011 IRON AND STEEL SCRAP-----	69	69			
4112 COMMODITIES, NEC-----	5,112	157	4,955		
4119 EMPTY CONTAINERS-----	8,432	67		872	7,493

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 DALLES, OREG.) CONTROLLING DEPTH: 30 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
1973-----	3,305,941	284,723	3,590,664	1978-----	2,941,679	273,103	3,214,782
1974-----	2,791,784	350,580	3,142,364	1979-----	3,041,547	184,985	3,226,532
1975-----	3,000,124	457,785	3,456,913	1980-----	2,770,893	131,549	2,911,452
1976-----	2,779,076	260,564	3,039,644	1981-----	2,640,455	115,153	2,755,608
1977-----	2,568,201	264,472	2,832,673	1982-----	2,668,608	65,467	2,734,575

PORTLAND, OR, DISTRICT

PORT OF VANCOUVER, WASH.,--CONTINUED

FREIGHT TRAFFIC, 1982

(SHORT TONS)

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COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	2,734,575	565,390	549,682	11,516	2,900	1,165,135	419,417	29,535
0102 BARLEY AND RYE-----	25,790					20,941	4,849	
0103 CORN-----	6							
0107 WHEAT-----	1,230,824		340,724			866,338	12,953	10,809
0129 FIELD CROPS, NEC-----	198		198					
0141 FRESH AND FROZEN VEGETABLES-----	173		173					
0911 FRESH FISH, EXCEPT SHELLFISH-----	393					393		
0912 SHELLFISH, EXCEPT PREPARED-----	67					67		
1021 COPPER ORE AND CONCENTRATES-----	63,269		63,269					
1051 ALUMINUM ORES, CONCENTRATES-----	399,377	399,377						
1091 NONFERROUS ORES, CONCENT, NEC-----	8,406	8,406						
1311 CRUDE PETROLEUM-----	20,878	20,878						
1499 NONMETALLIC MINERALS, NEC-----	19		19					
2031 FISH AND SHELLFISH, PREPARED-----	21		21					
2039 PREP FRUIT AND VEG JUICE, NEC-----	36	1	35					
2041 WHEAT FLOUR AND SEMOLINA-----	432		432					
2042 ANIMAL FEEDS-----	247		247					
2081 ALCOHOLIC BEVERAGES-----	37		37					
2099 MISCELLANEOUS FOOD PRODUCTS-----	202	36	206					
2211 BASIC TEXTILE PRODUCTS-----	25	22	3					
2411 LOGS-----	5,820		4,388			1,432		
2412 RAFTED LOGS-----	65,967					39,429	7,812	18,726
2413 FUEL WOOD, CHARCOAL, WASTES-----	100						100	
2414 TIMBER, POSTS, POLES, PILING-----	200					200		
2421 LUMBER-----	76,043	8,008	68,035					
2431 VENEER, PLYWOOD, WORKED WOOD-----	28,688	22,637	6,051					
2491 WOOD MANUFACTURES, NEC-----	2,283	1,955	328					
2611 PULP-----	249,815		664				249,151	
2631 PAPER AND PAPERBOARD-----	7,108	810	6,298					
2711 PRINTED MATTER-----	5	3	2					
2819 BASIC CHEMICALS AND PROD, NEC-----	3,729		27		1,200	2,502		
2871 NITROGENOUS CHEM FERTILIZERS-----	34,248	12,500			1,700	20,048		
2891 MISCELLANEOUS CHEMICAL PROD-----	90	81	9					
2911 GASOLINE-----	112,830	40,631				14,311	53,892	
2914 DISTILLATE FUEL OIL-----	102,776			7,376		15,773	79,627	
2915 RESIDUAL FUEL OIL-----	189,874			4,140		183,701	2,033	
3011 RUBBER AND MISC PLASTIC PROD-----	8		8					
3111 LEATHER AND LEATHER PRODUCTS-----	3		3					
3291 MISC NONMETALLIC MINERAL PROD-----	7		7					
3315 IRON, STEEL SHAPES, EXC SHEET-----	15,852	15,851	1					
3316 IRON AND STEEL PLATES, SHEETS-----	1,799	1,796	3					
3317 IRON AND STEEL PIPE AND TUBE-----	18,326	18,153	173					
3318 FERROALLOYS-----	3,417	3,417						
3321 NONFERROUS METALS, NEC-----	2		2					
3324 ALUMINUM AND ALLOYS, UNWORKED-----	55,395		55,395					
3411 FABRICATED METAL PRODUCTS-----	2,239	179	2,060					
3511 MACHINERY, EXCEPT ELECTRICAL-----	773	10	763					
3611 ELECTRICAL MACH AND EQUIP-----	34		29					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	6,836	6,553	83					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	6		6					
3911 MISC MANUFACTURED PRODUCTS-----	20	6	14					
4112 COMMODITIES, NEC-----	58	58						

COLUMBIA RIVER BETWEEN VANCOUVER, WASH.,
AND THE DALLES, OREG.

SECTION INCLUDED: COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG., A DISTANCE OF ABOUT 45 MILES. CONTROLLING DEPTH 17 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
1973-----	4,588,252	1,184,836	5,773,088	1979-----	7,876,232	1,112,512	8,988,744
1974-----	4,782,522	2,116,654	6,899,176	1979-----	8,194,993	1,111,874	9,306,867
1975-----	5,403,430	1,807,142	7,210,572	1980-----	9,144,764	1,599,325	10,744,089
1976-----	6,529,546	1,674,266	8,203,812	1981-----	9,075,430	1,233,697	10,309,125
1977-----	6,760,767	1,418,085	8,178,852	1982-----	7,750,152	1,016,249	8,766,401

* PASSENGERS--37,789.

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL			
		SHIPMENTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH
TOTAL-----	4,766,401	4,400	458,827	1,180,988	455,265	108,938	1,158,420
0102 BARLEY AND RYE-----	216,137			993			215,144
0103 CORN-----	2,580						2,580
0107 WHEAT-----	5,191,089		4,103	142,299			5,037,822

Waterborne Commerce of the United States, 1982

COLUMBIA RIVER BETWEEN VANCOUVER, WASH.,
AND THE DALLES, OREG.—CONTINUED

FREIGHT TRAFFIC, 1982—CONTINUED

DOMESTIC—CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL			
		SHIPMENTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH
0111 SOYBEANS-----	154						154
0122 HAY AND FODDER-----	5,201						5,183
0129 FIELD CROPS, NEC-----	813					18	813
0161 FRESH AND FROZEN VEGETABLES-----	6,504					450	6,054
0151 LIVE ANIMALS-----	71					71	
0161 ANIMALS AND PRODUCTS, NEC-----	951						951
0911 FRESH FISH, EXCEPT SHELLFISH-----	19,733			18,211	1,522		
0912 SHELLFISH, EXCEPT PREPARED-----	6,005			6,005			
1442 SAND, GRAVEL, CRUSHED ROCK-----	159,643		1,320	158,323			
1499 NONMETALLIC MINERALS, NEC-----	166						166
2015 ANIMAL BY-PRODUCTS, NEC-----	13,328						13,328
2034 VEGETABLES AND PREP, NEC-----	1,198					22	1,176
2042 ANIMAL FEEDS-----	255						255
2049 GRAIN MILL PRODUCTS, NEC-----	174						174
2062 MOLASSES-----	11,844					11,844	
2081 ALCOHOLIC BEVERAGES-----	76					76	
2411 LOGS-----	14,430		7,585				6,845
2412 RAFTED LOGS-----	1,016,249		293,020	161,575	455,735	101,787	6,132
2413 FUEL WOOD, CHARCOAL, WASTES-----	11,132		8,060				3,072
2416 WOOD CHIPS, STAVES, MOLDINGS-----	455,131		976	425,751		7,000	21,324
2511 FURNITURE AND FIXTURES-----	5						5
2691 PULP AND PAPER PRODUCTS, NEC-----	309,172		14,750	258,867		576	34,979
2819 BASIC CHEMICALS AND PROD, NEC-----	5,498	1,200	4,298				
2821 PLASTIC MATERIALS-----	1,502					1,502	
2871 NITROGENOUS CHEM FERTILIZERS-----	40,086	1,700	16,132			19,379	10,875
2891 MISCELLANEOUS CHEMICAL PROD-----	69					69	
2911 GASOLINE-----	541,361		2,304			511,463	27,594
2912 JET FUEL-----	16,949					16,949	
2914 DISTILLATE FUEL OIL-----	507,610		6,707			496,843	4,060
2915 RESIDUAL FUEL OIL-----	185,974		107,627			78,347	
2918 ASPHALT, TAR, AND BITUMENS-----	4,386					4,386	
3011 RUBBER AND MISC PLASTIC PROD-----	107					107	
3211 GLASS AND GLASS PRODUCTS-----	34					34	
3271 LIME-----	1,029					1,029	
3411 FABRICATED METAL PRODUCTS-----	46					46	
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,601	1,500				91	
4119 EMPTY CONTAINERS-----	9,208					8,317	891
TOTAL TON-MILES, 576,066,966.							

COLUMBIA RIVER ABOVE THE DALLES DAM, WASH. AND OREG. TO
MCNARY LOCK AND DAM, OREG. AND WASH.SECTION INCLUDED: COLUMBIA RIVER BETWEEN THE DALLES DAM AND MCNARY LOCK AND DAM, A DISTANCE OF ABOUT 91 MILES. CONTROLLING DEPTHS
WITHIN THE DALLES AND JOHN RAY POOLS, 14 FEET. PROJECT DEPTHS 14 FEET AT ADOPTED LOW WATER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	3,139,645	1978-----	6,118,003
1974-----	3,164,164	1979-----	6,442,713
1975-----	3,731,101	1980-----	7,725,206
1976-----	5,260,069	1981-----	8,187,034
1977-----	4,865,268	1982-----	7,388,699

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL			
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	7,388,699	799,797	547,812	1,158,420	4,843,670
0102 BARLEY AND RYE-----	215,144		20,231		194,913
0103 CORN-----	2,580				603
0107 WHEAT-----	5,047,749		565,504	6,865	4,475,320
0111 SOYBEANS-----	154				154
0122 HAY AND FODDER-----	5,201			18	5,183
0129 FIELD CROPS, NEC-----	813				813
0161 FRESH AND FROZEN VEGETABLES-----	6,504			450	6,054
0161 ANIMALS AND PRODUCTS, NEC-----	951				951
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,320				1,320
1499 NONMETALLIC MINERALS, NEC-----	166				166
2015 ANIMAL BY-PRODUCTS, NEC-----	13,328				13,328
2034 VEGETABLES AND PREP, NEC-----	1,198			22	1,176
2042 ANIMAL FEEDS-----	255				255
2049 GRAIN MILL PRODUCTS, NEC-----	174				174
2062 MOLASSES-----	11,844			11,844	
2081 ALCOHOLIC BEVERAGES-----	76				76
2411 LOGS-----	21,227	6,797			14,430
2412 RAFTED LOGS-----	15,896				15,896
2413 FUEL WOOD, CHARCOAL, WASTES-----	3,072				3,072

PORTLAND, OR, DISTRICT

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COLUMBIA RIVER ABOVE THE DALLES DAM, WASH., AND OREG. TO
MCNARY LOCK AND DAM, OREG., AND AASH--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL			
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
2416 WOOD CHIPS, STAVES, MOLDINGS-----	21,324				21,324
2511 FURNITURE AND FIXTURES-----	5				5
2691 PULP AND PAPER PRODUCTS, NEC-----	35,545			576	34,979
2821 PLASTIC MATERIALS-----	1,502			1,502	
2871 NITROGENOUS CHEM FERTILIZERS-----	40,593			19,379	21,014
2891 MISCELLANEOUS CHEMICAL PROD-----	69			69	
2911 GASOLINE-----	530,057			511,663	27,594
2912 JET FUEL-----	16,949			16,949	
2914 DISTILLATE FUEL OIL-----	500,903			486,443	4,060
2915 RESIDUAL FUEL OIL-----	78,347			78,347	
2918 ASPHALT, TAR, AND PITCHES-----	4,386			4,386	
3011 RUBBER AND MISC PLASTIC PROD-----	107			107	
3211 GLASS AND GLASS PRODUCTS-----	34			34	
3271 LIME-----	1,029			1,029	
3411 FABRICATED METAL PRODUCTS-----	46			46	
3511 MACHINERY, EXCEPT ELECTRICAL-----	3			3	
4029 WASTE AND SCRAP, NEC-----	792,000	792,000			
4119 EMPTY CONTAINERS-----	9,208			8,517	691
TOTAL TON-MILES, 677,259,062.					

PORT OF PORTLAND, OREG.

SECTION INCLUDED: (STATISTICS FOR THAT SECTION OF PORTLAND HARBOR BELOW ROSS ISLAND BRIDGE ARE ALSO INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG., AND STATISTICS FOR SECTION ABOVE ROSS ISLAND BRIDGE ARE ALSO INCLUDED IN STATISTICS FOR WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.) CONTROLLING DEPTH: 39 FEET FROM MOUTH TO BROADWAY BRIDGE; 20 FEET AT LOW WATER ABOVE ROSS ISLAND BRIDGE TO LAKE OSWEGO; 9 FEET TO OREGON CITY. PROJECT DEPTH: 40 FEET AT LOW WATER BELOW BROADWAY BRIDGE; 30 FEET FROM BROADWAY BRIDGE TO FOOT OF ROSS ISLAND, MAINTAINED BY PORT OF PORTLAND; 8 FEET AT LOW WATER ABOVE FOOT OF ROSS ISLAND.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1973-----	19,594,615	482,424	20,077,043	207	1978-----	25,905,108	668,239	26,573,343	
1974-----	19,544,836	1,226,049	20,770,885	573	1979-----	28,327,745	818,666	29,146,411	10,610
1975-----	18,605,069	995,397	19,600,466	743	1980-----	28,633,335	680,724	29,314,059	6,178
1976-----	20,337,715	1,154,798	21,492,513	298	1981-----	27,233,073	691,656	27,924,729	5,790
1977-----	20,577,249	823,013	21,400,262	156	1982-----	24,661,713	487,565	25,149,278	474

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL	25,129,278	1,849,346	11,199,918	3,404,547	286,158	5,330,309	2,189,664	869,336
0101 COTTON, RAW	369		369					
0102 BARLEY AND RYE	909,635		757,426			152,209		
0103 CORN	1,807		1,807					
0104 OATS	326		326					
0106 SORGHUM GRAINS	47,206		47,206					
0107 WHEAT	11,404,522		8,169,262			3,210,478	4,405	17,916
0111 SOYBEANS	54,101		54,101					
0119 OILSEEDS, NEC	60	15	53					
0121 TOBACCO, LEAF	787	787						
0129 FIELD CROPS, NEC	15,094	109	14,716			269		
0131 FRESH FRUITS	2,416		1,862	142	412			
0132 BANANAS AND PLANTAINS	11	11						
0133 COFFEE	1,127	1,127						
0141 FRESH AND FROZEN VEGETABLES	42,029	182	36,815		2,516	2,516		
0151 LIVE ANIMALS	264		264					
0161 ANIMALS AND PRODUCTS, NEC	2,428	240	2,019			545		
0191 MISCELLANEOUS FARM PRODUCTS	204	150	26	28				
0841 CRUDE RUBBER AND ALLIED GUMS	2,365	2,362	3					
0841 FOREST PRODUCTS, NEC	209	68	78		63			
0911 FRESH FISH, EXCEPT SHELLFISH	4,253	119	3,977			157		
0912 SHELLFISH, EXCEPT PREPARED	414	158	256					
1091 ALUMINUM ORES, CONCENTRATES	441,156	441,143	13					
1061 MANGANESE ORES, CONCENTRATES	57		57					
1091 NONFERROUS ORES, CONCENT, NEC	10,269	9,972	278		19			
1121 COAL AND LIGNITE	4,508	4,498	10					
1311 CRUDE PETROLEUM	224,800	17,165		211,695				
1411 LIMESTONE	34,128	37,307	23					
1412 BUILDING STONE, UNKNOWN	153		153					
1462 SAND, GRAVEL, CRUSHED ROCK	1,481,086	136,867		3,605		914,012	121,004	225,400
1451 CLAY	224,298	189	207,600				16,309	
1491 SALT	170,504	170,504						
1499 NONMETALLIC MINERALS, NEC	26,909	1,244	23,158		2,507			
1911 ORDNANCE AND ACCESSORIES	41		41					
2011 MEAT, FRESH, CHILLED, FROZEN	5,714	24	5,665	3	20			

Waterborne Commerce of the United States, 1982

PORT OF PORTLAND, OREG.,--CONTINUED

FRIEGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2012 MEAT AND PRODUCTS, NEC-----	51		51					
2014 TALLOW, ANIMAL FATS AND OILS-----	4,493		4,493					
2015 ANIMAL BY-PRODUCTS, NEC-----	39,177	22	37,715			1,440		
2021 DAIRY PRODUCTS, NEC-----	424	353			71			
2022 DRIED MILK AND CREAM-----	3,252	1	3,251					
2031 FISH AND SHELLFISH, PREPARED-----	3,250	1,770	1,480					
2034 VEGETABLES AND PREP, NEC-----	56,610	4,181	51,931	231	267			
2039 PREP FRUIT AND VEG JUICE, NEC-----	15,431	6,496	6,254	2,651	30			
2041 WHEAT FLOUR AND SEMOLINA-----	6,734		6,734					
2042 ANIMAL FEEDS-----	18,753		17,546		1,022	185		
2049 GRAIN MILL PRODUCTS, NEC-----	17,181	66	6,224				10,891	
2062 MOLASSES-----	51,182	4,885		7,155		27,298	11,844	
2081 ALCOHOLIC BEVERAGES-----	8,367	4,402	1,650		315			
2091 VEGETABLE OILS, MANC, SHORT-----	70,009	69,520	485		48			
2094 GROCERIES-----	38			1	37			
2099 MISCELLANEOUS FOOD PRODUCTS-----	22,244	548	21,504	14	178			
2111 TOBACCO MANUFACTURES-----	5							
2211 BASIC TEXTILE PRODUCTS-----	6,766	6,583	183					
2311 APPAREL-----	1,933	1,895	38					
2411 LOGS-----	285,240		279,691		134	5,413		
2412 RAFTED LOGS-----	487,565					355,299	36,776	95,490
2413 FUEL WOOD, CHARCOAL, WASTES-----	605		236		269	100		
2414 TIMBER, POSTS, POLES, PILING-----	2,507		1,445			300	758	4
2416 WOOD CHIPS, STAVES, MOLDINGS-----	735,241	1,660	733,581					
2421 LUMBER-----	231,875	1,896	179,115	106	50,745	13		
2431 VENEER, PLYWOOD, WORKED WOOD-----	61,458	6,931	32,317		10,442	11,768		
2491 WOOD MANUFACTURES, NEC-----	12,555	2,030	5,284		5,241			
2511 FURNITURE AND FIXTURES-----	1,507	1,004	279	108	124			
2611 PULP-----	4,726	67	4,659					
2631 PAPER AND PAPERBOARD-----	150,073	21,754	135,140		2,175			
2691 PULP AND PAPER PRODUCTS, NEC-----	618,420	29	86		2,669	590,429	24,707	
2711 PRINTED MATTER-----	322	258	64					
2810 SODIUM HYDROXIDE-----	41,500			12,000	29,500			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	9,897			9,897				
2812 DYES, PIGMENT, TANNING MATS-----	21		1		20			
2816 RADIOACTIVE MATERIALS, WASTES-----	6	6						
2819 BASIC CHEMICALS AND PROD, NEC-----	350,146	17,939	53,745	267,873	8,793		1,796	
2821 PLASTIC MATERIALS-----	1,523	546	870		107			
2822 SYNTHETIC RUBBER-----	3		3					
2823 SYNTHETIC (MAN-MADE) FIBERS-----	621	603	18					
2831 DRUGS-----	78	16	62					
2841 SOAP-----	224	162	62					
2851 PAINTS-----	499	279	220					
2861 GUM AND WOOD CHEMICALS-----	20	19	1					
2871 NITROGENOUS CHEM FERTILIZERS-----	212,161	7,496		136,524	56,316	4,488	7,337	
2873 PHOSPHATIC CHEM FERTILIZERS-----	60		60					
2876 INSECTICIDES, DISINFECTANTS-----	325	202	105		14			
2891 MISCELLANEOUS CHEMICAL PROD-----	25,128	207	458	12,408	11,906		69	
2911 GASOLINE-----	1,139,997	93,860	41	454,340		34,212	521,204	32,340
2912 JET FUEL-----	73,781			56,832			16,949	
2913 KEROSENE-----	854			854				
2914 DISTILLATE FUEL OIL-----	1,245,374	5,026	22,735	637,980	67,553	13,199	508,261	30,820
2915 RESIDUAL FUEL OIL-----	2,717,517	33,532		1,452,256	12,050	1,460	894,608	323,611
2916 LUBRICATING OILS AND GREASES-----	62,545		155	62,390				
2917 NAPHTHA, PETROLEUM SOLVENTS-----	9,956			1,832	8,124			
2918 ASPHALT, TAR, AND BITUMENS-----	105,267	34,926	2	64,368	1,585		4,386	
2920 COKE, PETROLEUM COKE-----	74,253	41,137	37,116					
2951 ASPHALT BUILDING MATERIALS-----	288		288					
2991 PETROLIUM AND COAL PROD, NEC-----	3,697	82					3,655	
3011 RUBBER AND MISC PLASTIC PROD-----	8,971	7,942	203		729			
3111 LEATHER AND LEATHER PRODUCTS-----	6,466	6,187	261					
3211 GLASS AND GLASS PRODUCTS-----	975	840	114				17	
3241 BUILDING CEMENT-----	5,543		74	5,408	61			
3251 STRUCTURAL CLAY PRODUCTS-----	437	295	13		129			
3271 LIME-----	1,029						1,029	
3281 CUT STONE AND STONE PRODUCTS-----	73	73						
3291 MISC NONMETALLIC MINERAL PROD-----	8,502	1,990	771	3,051	1,015		1,675	
3312 SLAC-----	314				314			
3314 IRON AND STEEL PRIMARY FORMS-----	79	13	6		60			
3315 IRON, STEEL SHAPES, EXC SHEET-----	189,475	187,358	25		577		1,515	
3316 IRON AND STEEL PLATES, SHEETS-----	44,173	43,776	17		380			
3317 IRON AND STEEL PIPE AND TUBE-----	51,247	50,970	212		65			
3318 FERROALLOYS-----	1,559	1,397	162					
3319 IRON AND STEEL PRODUCTS, NEC-----	2,480	2,390	90					
3321 NONFERROUS METALS, NEC-----	820	699	50		71			
3322 COPPER ALLOYS, UNWORKED-----	493	384	109					
3323 LEAD AND ZINC, UNWORKED-----	3,998	622	3,376					
3324 ALUMINUM AND ALLOYS, UNWORKED-----	9,349	62	9,287					
3411 FERRITIZED METAL PRODUCTS-----	30,681	26,100	1,743		2,818		20	
3511 MACHINERY, EXCEPT ELECTRICAL-----	26,076	21,262	5,429	6	142		37	100
3611 ELECTRICAL MACH AND EQUIP-----	6,702	5,624	876		202			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	294,386	291,919	1,689	182	596			
3721 AIRCRAFT AND PARTS-----	3		3					
3731 SHIPS AND BOATS-----	71	69	2					
3791 MISC TRANSPORTATION EQUIPMENT-----	333	195	93		43			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,010	900	110					
3911 MISC MANUFACTURED PRODUCTS-----	1,601	899	642	13	47			
4011 IRON AND STEEL SCRAP-----	170,356	191	170,034	141				
4012 NONFERROUS METAL SCRAP-----	15,639		15,639					
4022 TEXTILE WASTE, SCRAP, SHEEP-----	53	40	13					
4029 WASTE AND SCRAP-----	13,000		13,000					
4029 WASTE AND SCRAP, NEC-----	139,980							139,980
4112 COMMODITIES, NEC-----	9,551	541	61	114	1,835			
4119 EMPTY CONTAINERS-----	901			50		19	824	
9999 DEPARTMENT OF DEFENSE AND SCI-----	410		410					

PORTLAND, OR, DISTRICT

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WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.

SECTION INCLUDED: WILLAMETTE RIVER FROM PORTLAND TO HARRISBURG, OREG., A DISTANCE OF 159 MILES, AND YAMHILL RIVER FROM MOUTH TO MILE 4.0. CONTROLLING DEPTH: 9 FEET FROM PORTLAND TO OREGON CITY; 3 FEET TO CORVALLIS; 4 FEET ON YAMHILL RIVER FROM MOUTH TO MILE 4.0. PROJECT DEPTH: WILLAMETTE RIVER, 8 FEET FROM PORTLAND TO OREGON CITY; 4 FEET FROM OREGON CITY TO MOUTH OF SANTIAM RIVER; 5 FEET FROM MOUTH OF SANTIAM RIVER TO ALBANY; 2.5 FEET TO 3.5 FEET FROM ALBANY TO CORVALLIS; NO DEPTHS PRESCRIBED FROM CORVALLIS TO HARRISBURG; YAMHILL RIVER, 4 FEET FROM MOUTH TO MILE 4.0.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1973	4,223,011	188,284	4,411,295	1978	5,400,838	339,891	5,740,729
1974	4,853,230	1,132,764	5,985,994	1979	4,875,295	524,437	5,399,732
1975	4,446,336	551,071	4,997,407	1980	5,082,568	404,274	5,486,842
1976	5,031,004	648,058	5,679,062	1981	3,577,405	298,997	3,876,402
1977	4,879,152	307,192	5,186,344	1982	2,464,937	398,176	2,863,113

* PASSENGERS--4,497.

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC INTERNAL		
		IMPORTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL	2,463,113	12,655	533,240	649,729	766,137	903,352
1411 LIMESTONE	13,453	12,655	794			
1442 SAND, GRAVEL, CRUSHED ROCK	2,042,340		217,619	435,212	705,450	723,659
1451 CLAY	16,309		16,309			
2049 GRAIN MILL PRODUCTS, NEC	10,891		10,891			
2411 LOGS	1,100		1,100			
2412 RAFTED LOGS	398,176		56,396	131,600	50,012	160,168
2414 TIMBER, POSTS, POLES, PILING	500		500			
2416 WOOD CHIPS, STAVES, MOLDINGS	8,746		8,746			
2611 PULP	24,400				5,075	19,325
2631 PAPER AND PAPERBOARD	200				100	100
2691 PULP AND PAPER PRODUCTS, NEC	155,686		81,515	74,171		
2913 RESIDUAL FUEL OIL	21,112		21,112			
3511 MACHINERY, EXCEPT ELECTRICAL	200				100	100
4029 WASTE AND SCRAP, NEC	130,000		127,000		3,000	
TOTAL TON-MILES	14,697,846					

COQUILLE RIVER, OREG.

SECTION INCLUDED: FROM SEA TO COQUILLE, A DISTANCE OF 24 MILES. CONTROLLING DEPTH: 13 FEET TO ONE MILE ABOVE OLD LIGHT HOUSE THEN SNAGGING TO COQUILLE. PROJECT DEPTH: 13 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1973	106,884		106,884	1978	44,118		44,118
1974	73,170		73,170	1979	35,770		35,770
1975	97,820		97,820	1980	17,013		17,013
1976	74,161		74,161	1981	16,896		16,896
1977	66,008		66,008	1982	252,920		252,920

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		SHIPMENTS	INBOUND	OUTBOUND	
TOTAL	252,920	12,068	52	240,800	
0911 FRESH FISH, EXCEPT SHELLFISH	52		52		
2421 LUMBER	12,068	12,068			
4029 WASTE AND SCRAP, NEC	240,800			240,800	
TOTAL TON-MILES	253,024				

Waterborne Commerce of the United States, 1982

COOS BAY, OREG.

SECTION INCLUDES: FROM SEA TO MILLINGTON, A DISTANCE OF 17 MILES. (SAME SECTION AND STATISTICS APPLY TO PORT OF COOS BAY.) CONTROLLING DEPTH: 45 FEET IN ENTRANCE CHANNEL; 30 FEET IN INNER CHANNEL TO MILE 15; 20 FEET IN ISTHMUS SLOUGH TO MILLINGTON. PROJECT DEPTH: 45 FEET ON BAR AND 35 FEET FROM ENTRANCE TO MILE 15; TURNING BASINS OF SAME DEPTH OPPOSITE COALBANK SLOUGH AND AT THE CITY OF NORTH BEND; ANCHORAGE BASINS 27 FEET AT MILE 3.5 AND NEAR MILE 7; A CHANNEL 22 FEET DEEP FROM SMITH'S MILL (MILE 15) TO MILLINGTON; MOORING BASIN FOR SMALL BOATS AT CHARLESTON, WITH A CONNECTING CHANNEL 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
1973-----	5,773,331	1,957,377	7,730,708	1978-----	5,872,721	1,191,570	7,064,291
1974-----	6,409,024	1,133,806	7,542,831	1979-----	5,905,174	1,145,699	7,050,873
1975-----	4,917,396	1,458,731	6,376,127	1980-----	5,517,082	1,286,884	6,803,966
1976-----	5,609,089	1,506,996	7,116,085	1981-----	4,177,782	1,602,201	5,779,983
1977-----	6,326,186	1,273,235	7,599,421	1982-----	4,515,440	2,265,946	6,781,386

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	6,781,386	436	3,495,264	259,653	50,527	1,974,960	291,200	309,346
0129 FIELD CROPS, NEC-----	2,964	7	2,957					
0911 FRESH FISH, EXCEPT SHELLFISH-----	9,826	7				9,819		
0912 SHELLFISH, EXCEPT PREPARED-----	4,541					8,541		
1482 SAND, GRAVEL, CRUSHED ROCK-----	42,825			42,825				
1499 NONMETALLIC MINERALS, NEC-----	38		38					
2034 VEGETABLES AND PREP, NEC-----	20		20					
2081 ALCOHOLIC BEVERAGES-----	92	92						
2411 LOGS-----	802,886		802,886					
2412 RAFTED LOGS-----	2,265,946					1,956,600		309,346
2413 FUEL WOOD, CHARCOAL, WASTES-----	30,646		30,646					
2414 TIMBER, POSTS, POLES, PILING-----	235		235					
2416 WOOD CHIPS, STAVES, MOLDINGS-----	2,683,188		2,683,188					
2421 LUMBER-----	349,109		299,237		49,872			
2431 VENEER, PLYWOOD, WORKED WOOD-----	73,846		73,554		292			
2491 WOOD MANUFACTURES, NEC-----	102		102					
2511 FURNITURE AND FIXTURES-----	377		14		363			
2611 PULP-----	1,111		1,111					
2631 PAPER AND PAPERBOARD-----	741		741					
2823 SYNTHETIC (MAN-MADE) FIBERS-----	24	24						
2891 MISCELLANEOUS CHEMICAL PROD-----	73		73					
2911 GASOLINE-----	127,204			127,204				
2914 DISTILLATE FUEL OIL-----	89,624			89,624				
3251 STRUCTURAL CLAY PRODUCTS-----	20	20						
3315 IRON, STEEL SHAPES, EXC SHEET-----	12	12						
3411 FABRICATED METAL PRODUCTS-----	52	1	51					
3511 MACHINERY, EXCEPT ELECTRICAL-----	2	2						
3611 ELECTRICAL MACH AND EQUIP-----	20		20					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	4	2	2					
4012 NONFERROUS METAL SCRAP-----	389		389					
4029 WASTE AND SCRAP, NEC-----	291,200						291,200	
4112 COMMODITIES, NEC-----	269	269						
TOTAL TON-MILES, 80,146,255.								

COOS AND MILLICOMA RIVERS, OREG.

SECTION INCLUDES: 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
1973-----	1,085,170	1978-----	2,312,221
1974-----	304,051	1979-----	1,413,070
1975-----	1,782,321	1980-----	1,530,746
1976-----	1,674,377	1981-----	1,457,784
1977-----	1,829,933	1982-----	1,956,600

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	INTERNAL
	OUTBOUND
2412 RAFTED LOGS-----	1,956,600
TOTAL TON-MILES-----	16,791,600

PORTLAND, OR, DISTRICT

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Umpqua River, OREG.

SECTION INCLUDED: ENTRANCE TO REEDSPORT, A DISTANCE OF ABOUT 12 MILES. (SAME SECTION AND STATISTICS APPLY TO PORT OF UMPQUA.)
CONTROLLING DEPTH: 25 FEET ON THE BAR, 24 FEET FROM ENTRANCE TO MILE 3, 19 FEET MILE 3 TO 4, 18 FEET MILE 4 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 GARDINER.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1973-----	468,762	139,304	608,066	1978-----	546,341	19,269	605,610
1974-----	609,444	237,660	847,104	1979-----	620,595	219	620,814
1975-----	508,374	28,544	536,922	1980-----	969,484	40,662	1,010,646
1976-----	381,896	16,615	398,511	1981-----	340,900	35,456	376,356
1977-----	648,721	68,839	717,560	1982-----	665,567	-----	665,567

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL		
		RECEIPTS	SHIPMENTS	INBOUND	OUTBOUND	DOWNBOUND
TOTAL-----	665,567	18,900	61,402	1,360	367,073	236,832
0911 FRESH FISH, EXCEPT SHELLFISH-----	786	-----	786	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	574	-----	574	-----	-----	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	287,930	-----	42,825	-----	6,273	236,832
2421 LUMBER-----	18,577	-----	18,577	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	18,900	18,900	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	338,600	-----	-----	-----	338,600	-----
TOTAL TON-MILES, 4,009,371.						

Willamette River, OREG.

SECTION INCLUDED: FROM ENTRANCE TO MILE POINT 16.5. CONTROLLING DEPTH: 14 FEET FROM ENTRANCE TO MILE 2, 13 FEET FROM MILE 2 TO
FLORENCE, AND 8 FEET FROM FLORENCE TO MILE POINT 16.5. PROJECT DEPTH: 14 FEET FROM ENTRANCE CHANNEL TO A POINT 1,500 FEET INSIDE THE
OUTER END OF EXISTING NORTH JETTY, THENCE 16 FEET TO FLORENCE, THENCE 16 FEET TO FLORENCE, THENCE 12 FEET TO CUSHMAN, AND FROM CUSHMAN,
MILE 8.5 TO MILE 16.5 12 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1973-----	85,347	31,830	117,177	1978-----	32,236	114,292	146,528
1974-----	43,760	180,236	223,996	1979-----	34,397	109,396	143,793
1975-----	40,276	91,865	132,141	1980-----	11,012	93,745	104,757
1976-----	49,568	79,591	129,159	1981-----	6,315	79,624	85,939
1977-----	56,077	83,133	139,210	1982-----	408,908	19,009	427,917

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL			
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	427,917	108	408,800	13,000	6,009
0911 FRESH FISH, EXCEPT SHELLFISH-----	96	96	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	12	12	-----	-----	-----
2421 RAFTED LOGS-----	19,009	-----	-----	13,000	6,009
4029 WASTE AND SCRAP, NEC-----	408,800	-----	408,800	-----	-----
TOTAL TON-MILES, 145,485.					

Waterborne Commerce of the United States, 1982

YAGUINA RAY AND HARBOR, OREG.

SECTION INCLUDED: ENTRANCE AND RAY 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 FEET THROUGH ENTRANCE CHANNEL, 30 FEET FROM END OF ENTRANCE CHANNEL TO MCLEAN POINT, 30 FEET IN TURNING BASIN, AND 14 FEET FROM TURNING BASIN TO TOWN OF YAGUINA.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1973-----	206,504	-----	206,504	1978-----	263,113	-----	263,113
1974-----	219,330	171,146	390,480	1979-----	158,792	-----	158,792
1975-----	287,686	-----	287,686	1980-----	126,513	-----	126,513
1976-----	247,604	-----	247,604	1981-----	69,007	-----	69,007
1977-----	165,178	-----	165,178	1982-----	404,336	-----	404,336

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC		
		EXPORTS	COASTWISE	INTERNAL	
			THROUGH DOWNROUND	INBOUND	OUTBOUND
TOTAL-----	404,336	9,988	20,594	23,354	350,400
0911 FRESH FISH, EXCEPT SHELLFISH-----	18,604	-----	-----	18,604	-----
0912 SHELLFISH, EXCEPT PREPARED-----	4,750	-----	-----	4,750	-----
2411 LOGS-----	9,988	9,988	-----	-----	-----
2421 LUMBER-----	20,594	-----	20,594	-----	-----
4029 WASTE AND SCRAP, NEC-----	350,400	-----	-----	-----	350,400
TOTAL TON-MILES, 836,414.					

PORTLAND, OR, DISTRICT

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OTHER HARBORS AND WATERWAYS

WATERWAY	COMMODITY	TONS	TOTAL TONS	PASSENGERS
WATERWAY	COMMODITY	TONS	TOTAL TONS	PASSENGERS
ALSEA BAY AND RIVER, OREG.	NO COMMERCE REPORTED			
CHETCO RIVER, OREG.	0911 FRESH FISH, EXCEPT SHELLFISH	2,593		
	0912 SHELLFISH, EXCEPT PREPARED	1,254		
	2421 LOGS	26,520		
	2431 WOOD, PLYWOOD, WORKED WOOD	4,967		
	4029 WASTE AND SCRAP, NEC	95,200		
	TOTAL	130,534	130,534	
CHIRON CHANNEL, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	2,033		
	0912 SHELLFISH, EXCEPT PREPARED	628		
	TOTAL	2,661	2,661	
CLATSOP RIVER, OREG.	NO COMMERCE REPORTED			
COLUMBIA RIVER AT MAKERS HAY, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	8,584		
	0912 SHELLFISH, EXCEPT PREPARED	698		
	TOTAL	9,282	26,220	
COLUMBIA SLough, OREG.	NO COMMERCE REPORTED			
COWITZ RIVER, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	601		
	0912 SHELLFISH, EXCEPT PREPARED	107		
	TOTAL	708	3,540	
DEEP RIVER, WASH.	1442 SAND, GRAVEL, CRUSHED ROCK	2,530		
	2412 RAFTED LOGS	180,140		
	TOTAL	182,670	677,711	
DEPUE BAY, OREG.	0911 FRESH FISH, EXCEPT SHELLFISH	111		
	0912 SHELLFISH, EXCEPT PREPARED	71		
	TOTAL	182	182	
FLORENCE SLough, WASH.	2412 RAFTED LOGS	35,524	71,048	
GRAYS RIVER, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	38	308	
LAKE RIVER, WASH.	0107 WHEAT	410		
	0141 FRESH AND FROZEN VEGETABLES	2,525		
	0911 FRESH FISH, EXCEPT SHELLFISH	104		
	1442 SAND, GRAVEL, CRUSHED ROCK	300		
	2871 NITROGENOUS CHEM FERTILIZERS	175		
	3511 MACHINERY, EXCEPT ELECTRICAL	600		
	3711 MOTOR VEHICLES, PARTS, EQUIP	110		
	TOTAL	4,224	4,324	
LEWIS RIVER, WASH.	1442 SAND, GRAVEL, CRUSHED ROCK	3,920		
	2412 RAFTED LOGS	21,192		
	TOTAL	25,112	127,982	
PORT OF ST. HELENS, OREG.	1442 SAND, GRAVEL, CRUSHED ROCK	3,920		
	2412 RAFTED LOGS	25,437		
	2691 PULP AND PAPER PRODUCTS, NEC	1,066		
	2871 NITROGENOUS CHEM FERTILIZERS	10,418		
	TOTAL	40,841		
PORT TONGUE, OREG.	0911 FRESH FISH, EXCEPT SHELLFISH	252		
	0912 SHELLFISH, EXCEPT PREPARED	337		
	TOTAL	589		
ROGUE RIVER, OREG.	0911 FRESH FISH, EXCEPT SHELLFISH	56		
	0912 SHELLFISH, EXCEPT PREPARED	1		
	4029 WASTE AND SCRAP, NEC	196,000		
	4112 COMMUNITIES, NEC	550		
	TOTAL	196,607	210,357	48,064
SHAMOKA (STEADFAST) SLough, WASH.	2412 RAFTED LOGS	1,012	1,012	
SHAMOKA CREEK, WASH.	NO COMMERCE REPORTED			
SKIPAWAY CHANNEL, OREG.	2412 RAFTED LOGS	27,103		
	2413 FUEL WOOD, CHARCOAL, WASTES	3,519		
	2416 WOOD CHIPS, STAVES, MOLINGS	16,094		
	TOTAL	46,716	57,402	
SMITH RIVER, OREG.	1442 SAND, GRAVEL, CRUSHED ROCK	4,273	165,460	
TILLAMOOK BAY AND RIVER, OREG.	0911 FRESH FISH, EXCEPT SHELLFISH	631		
	0912 SHELLFISH, EXCEPT PREPARED	547		
	TOTAL	1,178	9,424	
WESTPORT SLough, OREG.	2411 LOGS	6,083		
	2412 RAFTED LOGS	4,215		
	TOTAL	10,298	14,298	18,373

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OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS MILES	PASSENGERS
PROJECT--CONTINUED				
YAGUINA RIVER, ORFC-----	2412 RAFTER LOGS-----	8,641	-----	-----
	2421 LUMBER-----	20,594	-----	-----
	TOTAL-----	29,235	215,707	-----

SEATTLE, WA, DISTRICT

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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 HOQUIAM RIVER AND THE SCHAFER BROS. WHARF AT MONTESANO ON THE CHEHALIS RIVER. CONTROLLING DEPTHS: BAR CHANNEL, 37.4 FEET; 24.9 FEET FROM DEEP WATER IN LOWER HARBOR TO UPPER CROSS-OVER; 28.7 FEET FROM UPPER CROSS-OVER TO COW POINT; 28.8 FEET FROM COW POINT TO COSMOPOLIS; TURNING BASIN JUST DOWNSTREAM OF U.P.R.R. BRIDGE, 24.6 FEET; TURNING BASIN NEAR COSMOPOLIS, 10.0 FEET. 4.7 FEET FROM COSMOPOLIS TO MONTESANO; BAY CITY CHANNEL, 9.9 FEET; WESTHAVEN CHANNEL, 15.1 FEET. 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
1973-----	3,086,452	756,214	3,843,070	1978-----	3,081,953	-----	3,081,953
1974-----	2,519,763	975,540	3,495,352	1979-----	5,005,916	174,627	5,180,743
1975-----	2,567,524	19,659	2,587,183	1980-----	3,240,061	8,499	3,248,960
1976-----	3,024,261	118,365	3,142,626	1981-----	3,160,804	-----	3,160,804
1977-----	2,558,704	87,484	2,646,192	1982-----	3,267,640	4,995	3,272,635

* PASSENGERS--64,830.

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS	INTERNAL SHIPMENTS	
TOTAL-----	3,272,635	3,955	2,963,709	37,695	15,176	175,000	77,100
0131 FRESH FRUITS-----	1	-----	1	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	118	-----	118	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	8,541	9	-----	-----	8,532	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	1,649	-----	-----	-----	1,649	-----	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	77,100	-----	-----	-----	-----	-----	77,100
1499 NONMETALLIC MINERALS, NEC-----	49	-----	49	-----	-----	-----	-----
2411 LOGS-----	2,793,557	-----	2,793,557	-----	-----	-----	-----
2412 RAFTED LOGS-----	4,995	-----	-----	-----	4,995	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	4,504	-----	4,504	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	53,500	-----	53,500	-----	-----	-----	-----
2421 LUMBER-----	140,406	-----	108,609	31,797	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	144	-----	144	-----	-----	-----	-----
2611 PULP-----	3,090	-----	3,090	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	21	-----	21	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	1	-----	-----	-----	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	5,898	-----	-----	5,898	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	1	-----	1	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,498	1,498	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	1,855	1,855	-----	-----	-----	-----	-----
3411 FARRICATED METAL PRODUCTS-----	644	-----	576	88	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	17	-----	17	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	5	-----	-----	5	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	175,000	-----	-----	-----	-----	175,000	-----
4112 COMMODITIES, NEC-----	1	-----	1	-----	-----	-----	-----
TOTAL TON-MILES, 52,744,960.	-----	-----	-----	-----	-----	-----	-----

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
1973-----	2,348,684	570,097	2,918,785	1978-----	4,029,194	838,891	4,868,085
1974-----	2,116,200	473,419	2,589,619	1979-----	3,949,021	1,875,249	5,824,270
1975-----	2,196,701	529,417	2,726,513	1980-----	3,572,160	705,537	4,277,697
1976-----	3,050,214	191,254	3,241,468	1981-----	1,795,068	179,915	1,974,983
1977-----	2,854,789	424,223	3,283,012	1982-----	1,736,660	72,825	1,811,485

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL RECEIPTS	INTERNAL SHIPMENTS	
TOTAL-----	1,811,485	101,744	1,007,994	4,204	348,343	127,513	23,595
0103 CORN-----	200	-----	200	-----	-----	-----	-----
0106 SORGHUM GRAINS-----	18	-----	18	-----	-----	-----	-----
0119 OILSEEDS, NEC-----	9	-----	9	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	612	-----	612	-----	-----	-----	-----

Waterborne Commerce of the United States, 1982

PORT ANGELES HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	INTERNAL RECEIPTS	SHIPMENTS	
0131 FRESH FRUITS-----	5,173		5,173				
0132 BANANAS AND PLANTAINS-----	3,196		3,196				
0141 FRESH AND FROZEN VEGETABLES-----	7,166		7,166				
0161 ANIMALS AND PRODUCTS, NEC-----	20		20				
0191 MISCELLANEOUS FARM PRODUCTS-----	85		85				
0911 FRESH FISH, EXCEPT SHELLFISH-----	2,567	159	1		2,407		
0912 SHELLFISH, EXCEPT PREPARED-----	44		61		23		
1051 ALUMINUM ORES, CONCENTRATES-----	112,606	112,606					
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,000		1,000				
1451 CLAY-----	151		151				
2022 DRIED MILK AND CREAM-----	32		32				
2034 VEGETABLES AND PREP, NEC-----	256		256				
2039 PREP FRUIT AND VEG JUICE, NEC-----	2,242		2,242				
2042 ANIMAL FEEDS-----	10,754		10,754				
2049 GRAIN MILL PRODUCTS, NEC-----	34		34				
2081 ALCOHOLIC BEVERAGES-----	125		125				
2091 VEGETABLE OILS, MARG, SHORT-----	6		6				
2099 MISCELLANEOUS FOOD PRODUCTS-----	320		320				
2211 BASIC TEXTILE PRODUCTS-----	13		13				
2311 APPAREL-----	7	7					
2411 LOGS-----	870,563		870,563				
2412 RAFTED LOGS-----	72,625				4,861	46,347	21,617
2413 FUEL WOOD, CHARCOAL, WASTES-----	9,303	3,612			5,691		
2418 TIMBER, POSTS, POLES, PILING-----	58	58					
2419 WOOD CHIPS, STAVES, MOLDINGS-----	215,934	153,054	49,255			11,643	1,978
2421 LUMBER-----	15,943	19	15,924				
2431 VENEER, PLYWOOD, WORKED WOOD-----	5,224	5,065	159				
2491 WOOD MANUFACTURES, NEC-----	3,569	3,521	48				
2511 FURNITURE AND FIXTURES-----	67		67				
2611 PULP-----	93,941	10,642	5,541		1,340	68,378	
2631 PAPER AND PAPERBOARD-----	6,352	1,492	3,305		410	1,145	
2691 PULP AND PAPER PRODUCTS, NEC-----	63		63				
2711 PRINTED MATTER-----	2	2					
2810 SODIUM HYDROXIDE-----	30,246				30,246		
2819 BASIC CHEMICALS AND PROD, NEC-----	458		458				
2821 PLASTIC MATERIALS-----	10		10				
2831 DRUGS-----	8		8				
2841 SOAP-----	113		113				
2851 PAINTS-----	25		25				
2873 PHOSPHATIC CHEM FERTILIZERS-----	353						
2876 INSECTICIDES, DISINFECTANTS-----	19		19				
2891 MISCELLANEOUS CHEMICAL PROD-----	8,151		281		7,870		
2911 GASOLINE-----	20,951		107		20,844		
2914 DISTILLATE FUEL OIL-----	68,591		30,699		37,892		
2915 RESIDUAL FUEL OIL-----	238,926			4,294	232,630		
2916 LUBRICATING OILS AND GREASES-----	59				59		
3011 RUBBER AND MISC PLASTIC PROD-----	19		19				
3111 LEATHER AND LEATHER PRODUCTS-----	2		2				
3211 GLASS AND GLASS PRODUCTS-----	1	1					
3291 MISC NONMETALLIC MINERAL PROD-----	2		2				
3315 IRON, STEEL SHAPES, EXC SHEET-----	201	165	36				
3316 IRON AND STEEL PLATES, SHEETS-----	14		14				
3317 IRON AND STEEL PIPE AND TUBE-----	157	133	24				
3324 ALUMINUM AND ALLOYS, UNWORKED-----	39		39				
3411 FABRICATED METAL PRODUCTS-----	79		77				
3511 MACHINERY, EXCEPT ELECTRICAL-----	192	32	160				
3611 ELECTRICAL MACH AND EQUIP-----	46		42				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,837	1,830	7				
3791 MISC TRANSPORTATION EQUIPMENT-----	42		42				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1		1				
3911 MISC MANUFACTURED PRODUCTS-----	63	10	45				
4011 IRON AND STEEL SCRAP-----	52		52				
4024 PAPER WASTE AND SCRAP-----	263		263				
4112 COMMODITIES, NEC-----	17	7	10				

PORT TOWNSEND HARBOR, WASH.

SECTION INCLUDES: POINT WILSON ON THE NORTH TO IRONDALE ON THE SOUTH, CONTROLLING DEPTH: CHANNEL FROM DEEP WATER TO ROAT BASIN, 8.9 FEET; OUTER PORTION OF ENTRANCE CHANNEL IN ROAT BASIN, 10.9 FEET; INNER PORTION OF ENTRANCE CHANNEL IN ROAT BASIN, 11.3 FEET; PROJECT DEPTHS: 10 AND 12 FEET WLLW IN THE INNER AND OUTER SECTIONS OF THE MOORING BASIN, RESPECTIVELY.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1973-----	1,335,122	11,911	1,347,033	160,084	1974-----	680,737		680,737	200,734
1974-----	1,309,189	29,202	1,338,391	95,323	1975-----	534,061		534,061	739,362
1975-----	1,089,728	17,164	1,106,892	137,957	1976-----	701,267		701,267	254,672
1976-----	1,225,594		1,225,594	163,994	1977-----	663,937		663,937	298,302
1977-----	1,262,736		1,262,736	180,530	1982-----	764,139		764,139	488,286

SEATTLE, WA, DISTRICT

PORT TOWNSEND HARBOR, WASH.--CONTINUED

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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
1973-----	13,275	-----	-----	*	66,242	93,842	1978-----	**	-----	-----	*	150,466	200,734
1974-----	**	-----	-----	*	65,912	95,989	1979-----	**	-----	-----	*	555,443	739,362
1975-----	**	-----	-----	*	97,720	137,957	1980-----	**	-----	-----	*	200,784	254,672
1976-----	**	-----	-----	*	118,250	163,994	1981-----	**	-----	-----	*	216,952	296,362
1977-----	**	-----	-----	*	132,986	180,530	1982-----	**	-----	-----	*	202,248	488,286

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

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE	INTERNAL		
				RECEIPTS	RECEIPTS	SHIPMENTS	
TOTAL-----	764,139	276,184	32,688	4,267	307,001	142,061	1,888
0011 FRESH FISH, EXCEPT SHELLFISH-----	506	-----	-----	-----	506	-----	-----
0012 SHELLFISH, EXCEPT PREPARED-----	273	-----	-----	-----	273	-----	-----
1121 COAL AND LIGNITE-----	2,800	-----	-----	-----	2,800	-----	-----
1311 CRUDE PETROLEUM-----	107,962	107,962	-----	-----	-----	-----	-----
1491 SALT-----	160	-----	-----	-----	160	-----	-----
1492 SULPHUR, DRY-----	590	-----	-----	-----	590	-----	-----
2411 LOGS-----	973	-----	973	-----	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	68,502	36,820	-----	-----	31,682	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	40	-----	-----	-----	40	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	327,392	129,645	-----	-----	195,899	-----	1,888
2421 LUMBER-----	18,679	610	-----	-----	-----	18,069	-----
2491 WOOD MANUFACTURES, NEC-----	301	301	-----	-----	-----	-----	-----
2611 PULP-----	57,969	-----	29,009	-----	-----	28,960	-----
2621 STANDARD NEWSPRINT PAPER-----	1,551	-----	-----	-----	-----	1,551	-----
2631 PAPER AND PAPERBOARD-----	96,336	824	2,703	-----	-----	92,805	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	2,805	-----	3	-----	2,805	-----	-----
2861 GUM AND WOOD CHEMICALS-----	45,282	-----	-----	-----	45,282	-----	-----
2911 GASOLINE-----	1,458	-----	-----	-----	1,458	-----	-----
2914 DISTILLATE FUEL OIL-----	1,801	-----	-----	-----	1,801	-----	-----
2915 RESIDUAL FUEL OIL-----	15,355	-----	-----	4,267	11,088	-----	-----
2916 LUBRICATING OILS AND GREASES-----	25	-----	-----	-----	25	-----	-----
2921 LIQUEFIED GASES-----	4,580	-----	-----	-----	4,580	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	24	-----	-----	-----	24	-----	-----
3411 FABRICATED METAL PRODUCTS-----	1,905	16	-----	-----	1,825	64	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	5,131	-----	-----	-----	4,744	387	-----
4112 COMMODITIES, NEC-----	2,136	2	-----	-----	1,909	225	-----

PORT GAMBLE HARBOR, WASH.

SECTION INCLUDED: ENTRANCE CHANNEL AND PORT GAMBLE HARBOR. CONTROLLING DEPTH: 26.0 FEET AT MLLW. PROJECT DEPTH: 28 FEET AT MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1973-----	388,477	183,049	571,526	1978-----	293,550	208,968	502,518
1974-----	329,548	164,319	493,867	1979-----	190,235	221,292	411,527
1975-----	339,041	183,458	522,499	1980-----	363,888	251,360	615,248
1976-----	432,122	104,831	536,953	1981-----	373,476	279,277	652,753
1977-----	418,610	182,802	601,412	1982-----	303,856	226,420	530,276

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		SHIPMENTS	RECEIPTS	SHIPMENTS	RECEIPTS
TOTAL-----	532,276	67,143	159,526	305,607	-----
2412 RAFTED LOGS-----	224,420	-----	158,126	70,294	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	19,659	-----	-----	14,659	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	108,792	-----	-----	198,792	-----
2421 LUMBER-----	69,005	67,143	-----	1,862	-----
3411 FABRICATED METAL PRODUCTS-----	1,400	-----	1,400	-----	-----

Waterborne Commerce of the United States, 1982

HAMMERSLEY INLET, WASH.

SECTION INCLUDED: INLET CONNECTING BUIGT 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
1973-----	277,255	790,675	1,067,930	1978-----	302,539	902,996	1,205,535
1974-----	336,389	770,083	1,106,472	1979-----	149,242	846,802	1,036,044
1975-----	317,730	797,928	1,115,658	1980-----	211,633	935,565	1,147,198
1976-----	335,494	97,951	433,445	1981-----	227,306	681,909	1,109,215
1977-----	338,478	735,303	1,073,781	1982-----	221,413	749,020	1,010,433

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL		LOCAL
		INBOUND	OUTBOUND	
TOTAL-----	1,010,433	40,368	390,906	579,159
0911 FRESH FISH, EXCEPT SHELLFISH-----	532	532	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	617	617	-----	-----
2412 RAFTED LOGS-----	789,020	30,219	179,642	579,159
2416 WOOD CHIPS, STAVES, MULDINGS-----	175,135	-----	175,135	-----
2421 LUMBER-----	14,809	-----	36,603	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	8,526	-----	8,526	-----

OLYMPIA HARBOR, WASH.

SECTION INCLUDED: THAT PORTION OF BUDD INLET SOUTH AND WEST OF PRIEST POINT AND GENERALLY WITHIN THE CITY LIMITS OF LIMITS OF OLYMPIA. CONTROLLING DEPTH: 28.9 FEET IN OUTER CHANNEL, 26.4 FEET IN ENTRANCE CHANNEL AND 29.0 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
1973-----	545,981	483,606	989,587	1978-----	566,001	303,489	869,490
1974-----	363,499	452,636	1,216,135	1979-----	607,642	186,188	793,830
1975-----	320,201	138,646	459,047	1980-----	589,687	131,312	720,999
1976-----	119,400	80,755	200,155	1981-----	361,974	441,366	823,320
1977-----	446,590	89,864	536,454	1982-----	388,241	106,179	494,420

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL		
				RECEIPTS	SHIPMENTS	
TOTAL-----	494,420	3,027	327,650	47,017	74,359	2,367
0911 FRESH FISH, EXCEPT SHELLFISH-----	286	-----	-----	286	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	1,023	-----	-----	1,023	-----	-----
2411 LOGS-----	322,809	-----	322,809	-----	-----	-----
2412 RAFTED LOGS-----	106,179	-----	-----	30,114	73,698	2,367
2413 FUEL WOOD, CHARCOAL, WASTES-----	100	-----	-----	100	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	360	-----	-----	360	-----	-----
2421 LUMBER-----	4,841	-----	4,841	-----	-----	-----
2911 GASOLINE-----	26,509	-----	-----	26,093	416	-----
2914 DISTILLATE FUEL OIL-----	12,316	-----	-----	12,071	245	-----
2915 RESIDUAL FUEL OIL-----	16,270	-----	-----	16,270	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	21	21	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	248	248	-----	-----	-----	-----
3318 FERRALLOYS-----	2,758	2,758	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	700	-----	-----	700	-----	-----

SEATTLE, WA, DISTRICT

TACOMA HARBOR, WASH.

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SECTION INCLUDED: ALL OF COMMENCEMENT BAY AND TRIBUTARY WATERWAYS EAST OF A LINE EXTENDING FROM BROWN POINT TO AND INCLUDING THE WHARVES OF THE TACOMA SHELTER. CONTROLLING DEPTH: CITY WATERWAY, 26.4 TO 16.2 FEET; HYLFHOS WATERWAY, 27.0 FEET; LEAST DEPTH IN TURNING BASIN 27.6 FEET; BLAIR (PORT INDUSTRIAL WATERWAY), 31.5 FEET. SUBJECT DEPTH: CITY WATERWAY, 29 TO 19 FEET; HYLFHOS 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
1973-----	8,844,187	960,565	9,804,752	163,004	1978-----	12,388,337	695,617	13,083,954	179,265
1974-----	7,137,302	462,734	7,600,036	172,242	1979-----	14,280,941	911,609	15,192,550	184,909
1975-----	7,240,867	656,832	7,897,699	180,424	1980-----	15,879,548	1,242,662	17,122,210	175,592
1976-----	10,041,375	186,089	10,227,464	194,536	1981-----	14,194,501	976,263	15,170,764	193,906
1977-----	10,381,037	318,300	10,699,337	191,759	1982-----	12,168,282	1,078,657	13,246,939	452,550

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
1973-----	6,650	-----	-----	--	143,216	163,044	1978-----	#	-----	-----	--	206,306	179,265
1974-----	#	-----	-----	--	147,916	172,242	1979-----	#	-----	-----	--	221,609	184,909
1975-----	#	-----	-----	--	156,316	180,424	1980-----	#	-----	-----	--	200,840	175,592
1976-----	#	-----	-----	--	162,604	194,536	1981-----	#	-----	-----	--	228,408	193,906
1977-----	#	-----	-----	--	177,944	191,759	1982-----	#	-----	-----	--	211,440	452,550

* INCLUDES AUTOMOBILES, TRUCKS, AND TRAILERS.
 ** CARGO REPORTED AS FREIGHT TRAFFIC.
 # NOT REPORTED.

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	13,246,939	2,246,179	5,736,728	499,787	795,849	2,295,496	1,030,670	662,280
0101 COTTON, RAW-----	1,444		1,444					
0102 BARLEY AND RYE-----	5,566		5,566					
0103 CORN-----	894,670		894,670					
0104 OATS-----	21		21					
0105 RICE-----	299	299						
0106 SOYBEAN GRAINS-----	379,648		379,648					
0107 WHEAT-----	597,072	79	596,995					
0111 SOYBEANS-----	174,741		174,741					
0119 OILSEEDS, NEC-----	7,639	21	7,618					
0121 TOBACCO, LEAF-----	679	679						
0122 HAY AND FODDER-----	209				209			
0129 FIELD CROPS, NEC-----	4,186	466	3,720					
0131 FRESH FRUITS-----	28,485	540	11,414		16,531			
0132 BANANAS AND PLANTAINS-----	1,972				1,972			
0133 COFFEE-----	2,689	2,689						
0141 FRESH AND FROZEN VEGETABLES-----	77,225	263	60,136		14,828			
0161 ANIMALS AND PRODUCTS, NEC-----	2,532	137	28	47	2,308			
0191 MISCELLANEOUS FARM PRODUCTS-----	633		100		533			
0841 CRUDE RUBBER AND ALLIED GUMS-----	129,816	129,816						
0861 FOREST PRODUCTS, NEC-----	1,072	78	77		917			
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,973	327	1,184		35	425		
0912 SHELLFISH, EXCEPT PREPARED-----	2,455	679	200		1,576			
1021 COPPER ORE AND CONCENTRATES-----	110,633	110,633						
1051 ALUMINUM ORES, CONCENTRATES-----	357,260	357,260						
1091 NONFERROUS ORES, CONCENT, NEC-----	42,794	42,400	394					
1311 CRUDE PETROLEUM-----	898,205	66,008		272,118		553,082		6,997
1411 LIMESTONE-----	165,285	165,285						
1442 SAND, GRAVEL, CRUSHED ROCK-----	414,828	16,210	4,503		548	393,566	1	
1451 CLAY-----	11,488	136	2,888		662	7,840		
1471 PHOSPHATE ROCK-----	7,586		7,586					
1491 SALT-----	544,034	515,821	25,500		2,713			
1492 SULPHUR, DRY-----	1,186				1,186			
1494 GYPSUM, CRUDE AND PLASTERS-----	368				368			
1499 NONMETALLIC MINERALS, NEC-----	6,703		4,280		423			
1911 ORDNANCE AND ACCESSORIES-----	42		42					
2011 MEAT, FRESH, CHILLED, FROZEN-----	38,931	26,305	523		12,103			
2012 MEAT AND PRODUCTS, NEC-----	2,360	2,125	68		167			
2014 TALLOW, ANIMAL FATS AND OILS-----	49,827		49,827					
2015 ANIMAL BY-PRODUCTS, NEC-----	140	40	60					
2021 DAIRY PRODUCTS, NEC-----	28,344	129	5		28,210			
2022 DRIED MILK AND CREAM-----	683	21	662					
2031 FISH AND SHELLFISH, PREPARED-----	30,891	483	4,261	25,695	452			
2034 VEGETABLES AND PREP, NEC-----	5,307	991	2,315		2,001			
2039 PREP FRUIT AND VEG JUICE, NEC-----	12,766	8,016	4,536		214			
2041 WHEAT FLOUR AND SEMOLINA-----	2,224		2,134		90			
2042 ANIMAL FEEDS-----	204,580	2	201,890		2,692			
2049 GRAIN MILL PRODUCTS, NEC-----	267	136	60					
2061 SUGAR-----	23				23			
2081 ALCOHOLIC BEVERAGES-----	20,090	4,601	238	20	15,233			
2091 VEGETABLE OILS, MARG, SHORT-----	17	12	5					
2094 GROCERIES-----	106,009			21	106,078			
2099 MISCELLANEOUS FOOD PRODUCTS-----	27,124	4,631	3,687		18,806			
2111 TOBACCO MANUFACTURES-----	107	6	95		6			

Waterborne Commerce of the United States, 1982

TACOMA HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2211 BASIC TEXTILE PRODUCTS	4,915	4,419	273		223			
2311 APPAREL	1,012	981	22		9			
2411 LOGS	2,133,222	5,018	2,128,184		1A			
2412 RAFTED LOGS	1,078,657					473,763	142,598	462,296
2413 FUEL WOOD, CHARCOAL, WASTES	358	140	5		213			
2414 TIMBER, POSTS, POLES, PILING	1,873		317		1,056		500	
2416 WOOD CHIPS, STAVES, WOLUTINGS	896,919	184,658	545,883			165,366		1,012
2421 LUMBER	111,437	2,191	54,956	26	54,244	10	10	
2431 VENEER, PLYWOOD, WORKED WOOD	9,213	270	3,415		5,324			
2491 WOOD MANUFACTURES, NEC	13,679	1,586	919	3	11,170		1	
2511 FURNITURE AND FIXTURES	23,470	1,591	69	7,449	14,361			
2611 PULP	118,594	3,289	102,494			12,615	196	
2621 STANDARD NEWSPRINT PAPER	7,638				7,634			
2631 PAPER AND PAPERBOARD	47,722	4,821	41,975		926		926	
2691 PULP AND PAPER PRODUCTS, NEC	5,758	183	493	24	5,054			
2711 PRINTED MATTER	1,021	222	113					
2810 SODIUM HYDROXIDE	154,269				97,015		57,254	
2812 DYES, PIGMENT, TANNING MATS	1		1					
2813 ALCOHOLS	349				349			
2816 RADIOACTIVE MATERIALS, WASTES	59				59			
2818 SULPHURIC ACID	75				75			
2819 BASIC CHEMICALS AND PROD, NEC	47,074	4,230	31,815	2	11,031			
2821 PLASTIC MATERIALS	5,689	1,893	960		2,416			
2822 SYNTHETIC RUBBER	6		4					
2823 SYNTHETIC (MAN-MADE) FIBERS	689	617	72					
2831 DRUGS	257	77	84		92			
2841 SOAP	4,446	580	2,909	4	953			
2851 PAINTS	2,184	1,529	381		276			
2861 GUM AND WOOD CHEMICALS	40,663				24	40,639		
2871 NITROGENOUS CHEM FERTILIZERS	2,295	20	2,036		239			
2873 PHOSPHATIC CHEM FERTILIZERS	3		4					
2876 INSECTICIDES, DISINFECTANTS	637	597	40					
2879 FERTILIZER AND MATERIALS, NEC	362	40	329					
2891 MISCELLANEOUS CHEMICAL PROD	52,726	16,626	1,009		17,311		17,780	
2911 GASOLINE	403,061	154,371		125,691	8,367	65,833	14,942	33,854
2912 JET FUEL	162,706					162,706		
2918 DISTILLATE FUEL OIL	201,815		17,803	26,733	18,141	81,722	49,715	7,701
2915 RESIDUAL FUEL OIL	922,375	62,915	6,530	21,647		335,555	365,117	130,411
2916 LUBRICATING OILS AND GREASES	981	5	324		403	208	32	9
2917 NAPHTHA, PETROLEUM SOLVENTS	5,730				249		5,481	
2918 ASPHALT, TAR, AND BITUMES	310				310			
2920 COKE, PETROLEUM COKE	2	2						
2951 ASPHALT BUILDING MATERIALS	684		10		672			
2991 PETROLEUM AND COAL PROD, NEC	11,425	57		22	11,346			
3011 RUBBER AND MISC PLASTIC PROD	8,439	4,929	892	122	2,496			
3111 LEATHER AND LEATHER PRODUCTS	468	292	176					
3211 GLASS AND GLASS PRODUCTS	1,484	274	122		1,088			
3241 BUILDING CEMENT	483				483			
3251 STRUCTURAL CLAY PRODUCTS	922	549	21		352			
3271 LIME	24				24			
3291 CUT STONE AND STONE PRODUCTS	534	534						
3291 MISC NONMETALLIC MINERAL PROD	36,204	503	324	12	19,779		15,990	
3312 SLAG	19,810						19,810	
3314 IRON AND STEEL PRIMARY FORMS	24				24			
3315 IRON, STEEL SHAPES, EXC SHEET	28,299	14,405	34	10	13,846			
3316 IRON AND STEEL PLATES, SHEETS	23,491	23,140	83		224			
3317 IRON AND STEEL PIPE AND TUBE	25,447	4,659	23	126	21,039			
3318 FERROALLOYS	329	322	7					
3319 IRON AND STEEL PRODUCTS, NEC	529	131	37		361			
3321 NONFERROUS METALS, NEC	16,877	16,257	52	20	548			
3322 COPPER ALLOYS, UNWORKED	11,634	5,302	6,311		21			
3323 LEAD AND ZINC, UNWORKED	13,203	4,101	9,102					
3324 ALUMINUM AND ALLOYS, UNWORKED	33,654	10,505	22,977		172			
3411 FARRICATED METAL PRODUCTS	75,913	33,544	1,276	622	34,176		2,295	
3511 MACHINERY, EXCEPT ELECTRICAL	57,932	11,893	20,759	5,052	14,610	370	1,248	
3611 FLECTICAL MACH AND EQUIP	31,169	27,329	1,584	2	2,254			
3711 MOTOR VEHICLES, PARTS, EQUIP	146,432	118,325	1,714	2,856	27,537			
3721 AIRCRAFT AND PARTS	64	7	17		40			
3731 SHIPS AND BOATS	290,591	434	44	9	104		290,000	
3791 MISC TRANSPORTATION EQUIPMENT	1,935	1,071	31	23	810			
3811 INSTR, TIME, PHOTO, OPT GOODS	682	346	261		75			
3911 MISC MANUFACTURED PRODUCTS	3,124	2,830	204		18			
4011 IRON AND STEEL SCRAP	316,864	44,597	270,244	1,785	1A	220		
4012 NONFERROUS METAL SCRAP	8,744	7,912	852					
4022 TEXTILE WASTE, SCRAP, SWEEP	310		310					
4024 PAPER WASTE AND SCRAP	614		614					
4029 WASTE AND SCRAP, NEC	48,000						48,000	
4112 COMMODITIES, NEC	159,424	1,654	297	8,883	144,590			
4119 EMPTY CONTAINERS	1,636			541	1,095			
9999 DEPARTMENT OF DEFENSE AND SCI	35		35					

SEATTLE, WA, DISTRICT

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SEATTLE HARBOR, WASH.

SECTION INCLUDES: FROM UNION OIL DOCK NEAR EDMONDS ON THE NORTH TO FAIRLEROY FERRY SLIP ON THE SOUTH, INCLUDING ELLIOTT BAY, EAST, WEST, AND DUWAMISH WATERWAY, LAKE WASHINGTON SHIP CANAL, SALMON BAY, LAKE UNION, LAKE WASHINGTON, AND KENMORE NAVIGATION CHANNEL. CONTROLLING DEPTHS: ELLIOTT BAY, UNLIMITED; WEST WATERWAY, 34.0 FEET; EAST WATERWAY, 31.4 FEET; DUWAMISH WATERWAY, 18.0 FEET FROM HEAD OF WEST WATERWAY TO 1ST AVENUE SO., 14.9 FEET FROM 1ST AVENUE SO. TO 14TH AVENUE SO., 10.0 FEET FROM 14TH AVENUE SO. TO HEAD OF WATERWAY; LAKE WASHINGTON SHIP CANAL, 27.0 FEET BELOW LOCKS; ABOVE THE LOCKS 24.6 FEET; KENMORE NAVIGATION CHANNEL 14.5 FEET. PROJECT DEPTHS: ELLIOTT BAY, UNLIMITED; EAST AND WEST WATERWAYS, 34 FEET; DUWAMISH WATERWAY, 30 FEET TO FIRST AVENUE SOUTH; 20 FEET TO 8TH AVENUE SOUTH; AND 15 FEET FROM 8TH AVENUE SOUTH TO HEAD OF WATERWAY; LAKE WASHINGTON SHIP CANAL, 34 FEET BELOW LOCKS; 30 FEET AT LOWER POND LEVEL; KENMORE NAVIGATION CHANNEL 15 FEET. ALL DEPTHS REFER TO MLLW EXCEPT INSIDE LAKE WASHINGTON SHIP CANAL WHICH REFLECTS 104 LAKE LEVEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1973-----	16,335,378	664,800	17,000,178	4,506,220	1978-----	22,137,870	343,795	22,481,665	4,540,219
1974-----	13,882,986	369,003	14,251,989	5,119,717	1979-----	19,791,540	246,890	20,038,430	6,290,453
1975-----	14,637,554	370,841	15,008,395	5,102,751	1980-----	21,106,410	142,424	21,248,834	6,899,602
1976-----	16,319,829	458,061	16,777,890	5,648,639	1981-----	20,320,142	194,412	20,514,554	6,944,579
1977-----	16,080,656	352,220	16,432,876	6,051,503	1982-----	17,688,117	117,051	17,805,168	10,071,587

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
1973-----	102,948	-----	-----	-----	2,704,887	4,506,220	1978-----	88	-----	-----	-----	3,704,037	6,540,219
1974-----	88	-----	-----	-----	2,892,276	5,119,717	1979-----	88	-----	-----	-----	4,666,263	6,290,453
1975-----	88	-----	-----	-----	2,811,642	5,102,751	1980-----	88	-----	-----	-----	5,771,474	6,899,602
1976-----	88	-----	-----	-----	3,024,735	5,648,639	1981-----	88	-----	-----	-----	3,085,863	6,944,579
1977-----	88	-----	-----	-----	3,379,412	6,051,503	1982-----	88	-----	-----	-----	3,431,350	10,071,587

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

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	17,805,168	3,738,330	3,941,614	1,677,306	2,140,880	4,073,449	1,232,405	992,175
0101 COTTON, RAW-----	23,454	-----	23,454	-----	-----	-----	-----	-----
0102 BARLEY AND RYE-----	843	420	284	-----	175	-----	-----	-----
0103 CORN-----	505,467	-----	505,469	-----	194	-----	-----	-----
0104 OATS-----	2,969	11	2,954	-----	-----	-----	-----	-----
0105 RICE-----	1,710	1,633	73	-----	6	-----	-----	-----
0106 SORGHUM GRAINS-----	212,225	-----	212,225	-----	-----	-----	-----	-----
0107 WHEAT-----	499,967	2	499,965	-----	-----	-----	-----	-----
0111 SOYBEANS-----	254,275	31	254,244	-----	-----	-----	-----	-----
0112 FLAXSEED-----	134	-----	-----	-----	134	-----	-----	-----
0119 OILSEEDS, NEC-----	6,841	325	6,556	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	11,527	11,203	144	-----	174	-----	-----	-----
0122 HAY AND FODDER-----	471	-----	-----	-----	471	-----	-----	-----
0129 FIELD CROPS, NEC-----	10,696	464	10,174	-----	54	-----	-----	-----
0131 FRESH FRUITS-----	179,508	13,675	162,321	206	1,306	-----	-----	-----
0132 BANANAS AND PLANTAINS-----	1	1	-----	-----	-----	-----	-----	-----
0133 COFFEE-----	4,161	3,403	27	274	457	-----	-----	-----
0134 COCOA BEANS-----	495	495	-----	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	114,370	1,342	104,224	42	4,754	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	6,024	1,234	4,404	384	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	1,518	518	200	-----	400	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	13,004	12,760	244	-----	-----	-----	-----	-----
0841 FOREST PRODUCTS, NEC-----	4,151	1,136	1,454	-----	1,557	78,202	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	114,055	3,265	69,312	11,039	2,237	78,202	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	13,223	3,720	5,674	1,997	431	1,001	-----	-----
1011 IRON ORE AND CONCENTRATES-----	90	-----	60	-----	30	-----	-----	-----
1021 COPPER ORE AND CONCENTRATES-----	134,535	8,000	130,535	-----	-----	-----	-----	-----
1051 ALUMINUM ORE, CONCENTRATES-----	37,661	37,616	45	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	6,014	737	5,213	68	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	21,143	1,487	1,487	319	16,577	-----	2,400	-----
1311 CRUDE PETROLEUM-----	69,376	7,202	-----	50,514	-----	7,660	-----	-----
1411 LIMESTONE-----	256,759	256,282	24	-----	449	-----	-----	-----
1412 BUILDING STONE, UNWORKED-----	9,012	-----	9,012	-----	-----	-----	-----	-----
1422 SAND, GRAVEL, CRUSHED ROCK-----	2,169,430	749,917	33,364	-----	631	1,335,144	2,474	7,500
1451 CLAY-----	162,362	1,520	18,249	73	1,494	137,156	-----	3,620
1471 PHOSPHATE ROCK-----	1	-----	1	-----	-----	-----	-----	-----
1479 NATURAL FERTILIZER MATS, NEC-----	1	1	-----	-----	-----	-----	-----	-----
1491 SALT-----	21,022	53	-----	46	20,763	-----	160	-----
1492 SULPHUR, DRY-----	10,090	-----	6	-----	9,094	-----	590	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	119	-----	-----	-----	119	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	27,442	32	13,067	-----	4,243	-----	-----	8,100
1911 ORDNANCE AND ACCESSORIES-----	624	542	44	-----	-----	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	17,568	920	13,491	42	3,115	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	2,700	1,447	1,253	-----	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	35,157	-----	35,157	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	94,666	19	48,667	-----	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	2,096	966	56	14	1,054	-----	-----	-----
2022 DRIED MILK AND CREAM-----	6,216	5	6,211	-----	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	136,022	10,054	15,531	109,776	457	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	44,106	29,337	52,884	254	5,627	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	66,064	45,441	9,946	8,941	1,694	-----	-----	-----

Waterborne Commerce of the United States, 1982

SEATTLE HARBOR, WASH.--CONTINUED

FWFIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2041 WHEAT FLOUR AND SEMOLINA	9,758		2,465		7,293			
2042 ANIMAL FEEDS	109,212	3,309	96,663		9,240			
2049 GRAIN MILL PRODUCTS, NEC	58,406	2,310	49,898	33	6,165			
2061 SUGAR	1,385	35	142	1,185	23			
2062 MOLASSES	74,644	19,273	24,375					30,996
2081 ALCOHOLIC BEVERAGES	123,550	38,863	15,698	36	68,973			
2091 VEGETABLE OILS, HANG, SHORT	788	373	303		112			
2092 ANIMAL OILS AND FATS, NEC	417	3	1	413				
2094 GROCERIES	33,599		1	120	31,475			
2099 MISCELLANEOUS FOOD PRODUCTS	97,009	18,768	42,107	130	36,004			
2111 TOBACCO MANUFACTURES	1,632	48	1,342	1	245			
2211 BASIC TEXTILE PRODUCTS	44,742	41,045	3,079	294	324			
2212 TEXTILE FIBERS, NEC	37	32			5			
2311 APPAREL	123,356	123,010	155		193			
2411 LOGS	50,978	20,011	30,514		453			
2412 RAFTED LOGS	117,051				64,559	39,133	13,359	
2413 FUEL WOOD, CHARCOAL, WASTES	14,756	232	74	7	111	90	1,442	14,000
2414 TIMBER, POSTS, POLES, PILING	14,400	177	714		4,419	245	6,812	6,083
2416 WOOD CHIPS, STAVES, HOLDINGS	27,448	14,667	1,055				11,726	
2421 LUMBER	638,837	70,962	346,132	7,092	159,312	56,539	260	1,540
2431 VENEER, PLYWOOD, WORKED WOOD	49,198	1,931	3,132	14	35,595	8,526		
2491 WOOD MANUFACTURES, NEC	69,954	20,772	11,240	103	37,824	15		
2511 FURNITURE AND FIXTURES	50,231	35,707	54	2,510	11,468			
2611 PULP	377,096	35,335	213,002	31,098	96,477	1,184		
2621 STANDARD NEWSPRINT PAPER	14,602			5,201	9,450	1,551		
2631 PAPER AND PAPERBOARD	510,614	193,091	218,963	76	4,124	93,950	410	
2691 PULP AND PAPER PRODUCTS, NEC	34,191	5,278	3,141	5,600	24,172			
2711 PRINTED MATTER	11,203	10,581	591		31			
2810 SODIUM HYDROXIDE	30,369				10,468	19,501		
2811 CRUDE TAR, OIL, GAS PRODUCTS	6,774		40	6,659	25			
2812 DYES, PIGMENT, TANNING MATS	1,057		94		963			
2813 ALCOHOLS	1,333		3		1,330			
2816 RADIOACTIVE MATERIALS, WASTES	55		7	3	45			
2817 BENZENE AND TOLUENE	1,815				1,815			
2818 SULPHURIC ACID	74				74			
2819 BASIC CHEMICALS AND PROD, NEC	69,411	22,090	23,019	446	21,851	2,405		
2821 PLASTIC MATERIALS	51,231	18,531	32,211		489			
2822 SYNTHETIC RUBBER	2,907		2,907					
2823 SYNTHETIC (MAN-MADE) FIBERS	11,147	2,671	4,254		222			
2831 DRUGS	1,475	598	825		59			
2841 SOAP	17,485	863	15,461		761			
2851 PAINTS	14,382	15,889	1,439	2	1,052			
2861 GUM AND WOOD CHEMICALS	194,799	45	5	108	86,110	112,531		
2871 NITROGENOUS CHEM FERTILIZERS	4,805	120			4,685			
2872 POTASSIUM CHEM FERTILIZERS	19			19				
2873 PHOSPHATIC CHEM FERTILIZERS	29,316	29,184	134					
2876 INSECTICIDES, DISINFECTANTS	4,633	484	4,149					
2879 FERTILIZER AND MATERIALS, NEC	11,420	698	9,639		1,083			
2891 MISCELLANEOUS CHEMICAL PROD	45,874	1,836	4,807	4,673	34,558			
2911 GASOLINE	1,137,570	50,756	570	326,036	52,002	512,301	155,727	40,178
2912 JET FUEL	241,568			45,419	85,131	111,018		
2913 KEROSENE	3,712	8	2,850	854				
2914 DISTILLATE FUEL OIL	1,194,291	5,185	14,601	247,224	204,228	485,098	157,964	159,991
2915 RESIDUAL FUEL OIL	2,765,022	87,355	12,630	448,784	47,476	942,754	721,354	504,669
2916 LUBRICATING OILS AND GREASES	71,958	9,000	1,627	58,660	1,435	279	394	161
2917 NAPHTHA, PETROLEUM SOLVENTS	3,205		11	3,150	58			
2918 ASPHALT, TAR, AND BITUMENS	84,626			71,525	13,075		15	
2920 COKE, PETROLEUM COKE	1,518		301		1,217			
2921 LIQUEFIED GASES	5,927	463	35	44	405		4,580	
2951 ASPHALT BUILDING MATERIALS	2,483		181	39	2,263			
2991 PETROLEUM AND COAL PROD, NEC	13,426	66	50	32	13,280			
3011 RUBBER AND MISC PLASTIC PROD	57,157	50,244	2,723	186	4,004			
3111 LEATHER AND LEATHER PRODUCTS	104,778	96,327	12,344	21	84			
3211 GLASS AND GLASS PRODUCTS	17,964	14,409	1,490	55	2,010			
3241 BUILDING CEMENT	365,409	76,925	2,314	85,981	111,114	47,746		1,721
3251 STRUCTURAL CLAY PRODUCTS	13,675	12,231	332		1,112			
3271 LIME	718		19		699			
3281 CUT STONE AND STONE PRODUCTS	4,890	4,302	42		546			
3291 MISC NONMETALLIC MINERAL PROD	137,131	51,940	1,484	59	81,173	2,000	75	
3312 SLAG	26,248				7,593	14,655		
3314 IRON AND STEEL PRIMARY FORMS	243		18		207			
3315 IRON, STEEL SHAPES, EXC SHEET	124,222	121,133	178	4	2,857			50
3316 IRON AND STEEL PLATES, SHEETS	7,354	4,108	403		2,843			
3317 IRON AND STEEL PIPE AND TUBE	103,207	59,696	626	1,242	41,643			
3318 FERRONALLOYS	2,313	177	2,136					
3319 IRON AND STEEL PRODUCTS, NEC	22,459	21,747	90		622			
3321 NONFERROUS METALS, NEC	4,323	3,448	1,053	1	421			
3322 COPPER ALLOYS, UNWORKED	1,684	3,023	514	2	149			
3323 LEAD AND ZINC, UNWORKED	7,759	24	7,354		377			
3324 ALUMINUM AND ALLOYS, UNWORKED	121,939	9,741	112,184		10			
3411 FABRICATED METAL PRODUCTS	311,687	212,131	11,377	1,797	81,210	3,118	1,962	92
3511 MACHINERY, EXCEPT ELECTRICAL	236,909	142,148	20,296	9,634	54,603	4,819	1,250	4,115
3611 ELECTRICAL MACH AND EQUIP	262,120	248,830	10,125	61	3,039	65		
3711 MOTOR VEHICLES, PARTS, EQUIP	293,417	239,843	10,577	3,832	39,344	173	148	
3721 AIRCRAFT AND PARTS	3,983	3,868	95	7	13			
3731 SHIPS AND BOATS	7,015	3,041	409	131	5,434			
3791 MISC TRANSPORTATION EQUIPMENT	17,723	2,090	296	997	9,209	347	4,744	
3811 INSTR, TIME, PHOTO, OPT GOODS	18,105	16,535	1,502		64			
3911 MISC MANUFACTURED PRODUCTS	179,044	154,703	1,737	18,241	4,363			
4011 IRON AND STEEL SCRAP	54,215	487	48,452	9,076				
4012 NONFERROUS METAL SCRAP	34,140	33	36,047	18	42			
4022 TEXTILE WASTE, SCRAP, SWEEP	2,727	108	2,619					
4024 PAPER WASTE AND SCRAP	161,453	1,040	160,372		41			
4029 WASTE AND SCRAP, NEC	243,225				48,025		195,200	

SEATTLE, WA, DISTRICT

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SEATTLE HARBOR, WASH.-CONTINUED

FREIGHT TRAFFIC, 1982-CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
4112 COMMODITIES, NEC-----	763,123	36,164	1,799	57,384	665,692	275	1,929	
4119 EMPTY CONTAINERS-----	9,004			8,540	434			
9999 DEPARTMENT OF DEFENSE AND SCI-----	759		759					

(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)	HAFTET (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	HAFTET (TONS)	TOTAL (TONS)	PASSENGERS
1973-----	1,456,193	559,779	2,015,972		1978-----	1,733,392	211,265	1,944,657	
1974-----	1,197,139	261,408	1,458,547	55,788	1979-----	1,791,454	145,491	1,936,945	68,065
1975-----	1,537,447	260,233	1,797,680	37,895	1980-----	1,571,656	172,495	1,744,151	18,397
1976-----	1,383,283	378,825	1,762,108	25,034	1981-----	1,831,293	145,361	1,976,654	65,936
1977-----	1,348,728	131,321	1,480,049	48,591	1982-----	1,226,680	90,127	1,316,807	27,747

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,316,707	3,509	33,504	161,342	1,026,203	57,626	34,523	
0122 WAX AND FOODS-----	191			191				
0861 FOREST PRODUCTS, NEC-----	29			29				
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,468	4	468	996				
1442 SAND, GRAVEL, CRUSHED ROCK-----	793,172			99	793,173			
1451 CLAY-----	800						800	
1491 SALT-----	6,278			46	6,232			
1494 GYPSUM, CRUDE AND PLASTERS-----	119			119				
2011 MEAT, FRESH, CHILLED, FROZEN-----	730			700				
2031 FISH AND SHELLFISH, PREPARED-----	24,561		24,549	2				
2039 PREP FRUIT AND VEG JUICE, NEC-----	1,144		45	1,099				
2041 WHEAT FLOUR AND SEMOLINA-----	46			46				
2042 ANIMAL FEEDS-----	199			199				
2049 GRAIN MILL PRODUCTS, NEC-----	263			263				
2061 SUGAR-----	23			23				
2081 ALCOHOLIC BEVERAGES-----	4,940			4,940				
2094 GROCERIES-----	2,454			2,454				
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,540			2,540				
2211 BASIC TEXTILE PRODUCTS-----	13			13				
2311 APPAREL-----	9			9				
2411 LOGS-----	20			20				
2412 RAFTED LOGS-----	90,027				25,392	64,635	15,359	
2413 FUEL WOOD, CHARCOAL, WASTES-----	50							
2414 TIMBER, POSTS, POLES, PILING-----	1,492			1,282	5	5	150	
2421 LUMBER-----	37,945		129	37,816				
2431 VENEER, PLYWOOD, WORKED WOOD-----	8,192			8,192				
2491 WOOD MANUFACTURES, NEC-----	8,801		4	8,797			15	
2511 FURNITURE AND FIXTURES-----	1,261		403	858				
2621 STANDARD NEWSPRINT PAPER-----	228			228				
2631 PAPER AND PAPERBOARD-----	44			44				
2691 PULP AND PAPER PRODUCTS, NEC-----	4,807		119	4,688				
2810 SODIUM HYDROXIDE-----	19			19				
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	25			25				
2819 BASIC CHEMICALS AND PROD, NEC-----	53			53				
2821 PLASTIC MATERIALS-----	81			81				
2841 SOAP-----	14			14				
2851 PAINTS-----	4			4				
2871 NITROGENOUS CHEM FERTILIZERS-----	44			44				
2879 FERTILIZER AND MATERIALS, NEC-----	179			179				
2911 GASOLINE-----	96,898	3,505		67	74,716	3,454	14,756	
2912 JET FUEL-----	3,128				3,128			
2914 DISTILLATE FUEL OIL-----	125,904				118,611	943	6,239	
2915 RESIDUAL FUEL OIL-----	11,343				11,343			
2916 LUBRICATING OILS AND GREASES-----	537					533	4	
2921 LIQUEFIED GASES-----	87		1	86				
2951 ASPHALT BUILDING MATERIALS-----	1,052			1,051				
2991 PETROLEUM AND COAL PROD, NEC-----	340			340				
3011 RUBBER AND MISC PLASTIC PROD-----	561		14	567				
3211 GLASS AND GLASS PRODUCTS-----	48			48				
3241 BUILDING CEMENT-----	3,806			3,806				
3251 STRUCTURAL CLAY PRODUCTS-----	31			31				
3271 LIME-----	81			81				
3281 CUT STONE AND STONE PRODUCTS-----	536			536				
3291 MISC NONMETALLIC MINERAL PROD-----	14,227		3	14,224				
3315 IRON, STEEL SHAPES, EXC SHEET-----	542			542				
3316 IRON AND STEEL PLATES, SHEETS-----	3			3				
3317 IRON AND STEEL PIPE AND TIRE-----	1,235			1,235				
3319 IRON AND STEEL PRODUCTS, NEC-----	349			349				

Waterborne Commerce of the United States, 1982

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

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	COASTWISE		INTERNAL			
			RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS		
3322 COPPER ALLOYS, UNWORKED-----	7		2	5				
3324 ALUMINUM AND ALLOYS, UNWORKED-----	4			4				
3411 FABRICATED METAL PRODUCTS-----	12,398		532	11,834		32		
3511 MACHINERY, EXCEPT ELECTRICAL-----	6,224		971	5,234			15	
3611 ELECTRICAL MACH AND EQUIP-----	61		11	50				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	2,447		274	2,135		38		
3721 AIRCRAFT AND PARTS-----	12		3	9				
3731 SHIPS AND BOATS-----	1,030		109	1,321				
3791 MISC TRANSPORTATION EQUIPMENT-----	3,317		139	3,174				
3911 MISC MANUFACTURED PRODUCTS-----	13			11				
4011 IRON AND STEEL SCRAP-----	91		91					
4024 PAPER WASTE AND SCRAP-----	41			41				
4112 COMMODITIES, NEC-----	36,091		4,175	31,916				
4119 EMPTY CONTAINERS-----	1,500		1,345	155				

EVERETT HARBOR AND SNOHOMISH RIVER, WASH.

SECTION INCLUDED: PORT GARDNER BAY FROM THE REVERHAEUSER COMPANY THERMO-MECHANICAL MILL, ON THE SOUTH TO PRESTON POINT ON THE NORTH AND INCLUDING THE SNOHOMISH RIVER AND TRIBUTARY WATERS. CONTROLLING DEPTHS: EAST WATERWAY, 33.3 FEET; 12.1 FEET IN PORT GARDNER BAY TO THE SETTLING BASIN; 8.1 FEET IN THE SETTLING BASIN; 4.6 FEET FROM THE SETTLING BASIN TO BURLINGTON NORTHERN RAILROAD; 6.6 FEET FROM BURLINGTON NORTHERN RAILROAD TO HEAD OF WATERWAY AT STEAMBOAT SLUGH. PROJECT DEPTHS: 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, A FEET; FROM THE GAP TO THE UPSTREAM SETTLING BASIN, 8 FEET; 40 FEET IN UPSTREAM SETTLING BASIN; A 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
1973-----	2,650,134	2,269,792	4,919,930	1974-----	2,824,847	3,259,228	6,063,715
1974-----	2,515,614	1,805,540	4,321,156	1975-----	2,466,941	2,331,705	4,798,646
1975-----	2,536,774	1,829,944	4,366,723	1976-----	2,342,826	2,016,241	4,359,107
1976-----	2,847,554	1,295,463	4,143,017	1977-----	1,879,790	1,421,707	3,301,497
1977-----	2,687,127	1,901,875	4,589,002	1982-----	2,300,986	1,646,001	3,946,987

* PASSENGERS--6,746.

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	INTERNAL			
				COASTWISE	SHIPMENTS		
TOTAL	3,986,987	435,655	1,572,456	24,167	1,030,114	209,193	714,400
0106 SOYBEAN GRAINS-----	118		118				
0109 FIELD CROPS, NEC-----	74		47	31			
0131 FRESH FRUITS-----	9,155		9,155				
0141 FRESH AND FROZEN VEGETABLES-----	1,223		1,223				
0911 FRESH FISH, EXCEPT SHELLFISH-----	5,034	21	131		4,882		
0912 SHELLFISH, EXCEPT PREPARED-----	133				133		
1021 COPPER ORE AND CONCENTRATES-----	2,547		2,547				
1051 ALUMINUM ORES, CONCENTRATES-----	183,502	183,502					
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,000				2,000		
1499 NONMETALLIC MINERALS, NEC-----	107		107				
2011 MEAT, FRESH, CHILLED, FROZEN-----	9		9				
2031 FISH AND SHELLFISH, PREPARED-----	10	2	8				
2034 VEGETABLES AND PREP, NEC-----	41		41				
2039 PREP FRUIT AND VEG JUICE, NEC-----	1	1					
2049 GRAIN MILL PRODUCTS, NEC-----	3	3					
2099 MISCELLANEOUS FOOD PRODUCTS-----	5	3	2				
2111 TOBACCO MANUFACTURES-----	15		15				
2211 BASIC TEXTILE PRODUCTS-----	2		2				
2311 APPAREL-----	11		11				
2411 LOGS-----	1,624,189	104,608	1,519,491				
2412 RAFTED LOGS-----	1,686,001				803,752	167,869	714,400
2413 FUEL WOOD, CHARCOAL, WASTES-----	5,227		41			5,186	
2414 TIMBER, POSTS, POLES, PILING-----	400			350		50	
2416 WOOD CHIPS, STAVES, MOLDINGS-----	186,973	126,863			40,672	19,438	
2421 LUMBER-----	31,217	3,964	6,445	20,406			
2491 WOOD MANUFACTURES, NEC-----	2,061	2	12	2,047			
2511 FURNITURE AND FIXTURES-----	18	18					
2611 PULP-----	24,803		13,049			11,754	
2631 PAPER AND PAPERBOARD-----	1		1				
2810 SODIUM HYDROXIDE-----	8,659				8,659		
2841 SOAP-----	66		66				
2861 GUM AND WOOD CHEMICALS-----	29,978				29,978		
2871 NITROGENOUS CHEM FERTILIZERS-----	2,097		2,097				
2891 MISCELLANEOUS CHEMICAL PROD-----	9,910				9,910		
2914 DISTILLATE FUEL OIL-----	8,164				8,164		
2915 RESIDUAL FUEL OIL-----	121,864				121,864		
2916 LUBRICATING OILS AND GREASES-----	12		12				
3011 RUBBER AND MISC PLASTIC PROD-----	5		5				
3111 LEATHER AND LEATHER PRODUCTS-----	1	1					

SEATTLE, WA, DISTRICT

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EVERETT HARBOR AND SKOKOMISH RIVER, WASH.--CONTINUED

FREIGHT TRAFFIC, 1942--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3241 BUILDING CEMENT-----	150	-----	-----	150	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	2,024	-----	-----	-----	-----	2,024	-----
3315 IRON, STEEL SHAPES, ETC SHEET-----	2,690	1,604	-----	1,086	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	13,082	13,082	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	847	847	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	17,709	-----	17,709	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	569	387	16	136	-----	30	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,596	94	492	-----	2,000	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	2	-----	2	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	589	589	-----	7	-----	-----	-----
3731 SHIPS AND BOATS-----	31	-----	1	30	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	33	-----	-----	33	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	13	12	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC-----	200	-----	-----	-----	-----	200	-----
4112 COMMODITIES, NEC-----	822	1	39	30	108	402	-----

SKOKOMISH CHANNEL, WASH.

SECTION INCLUDED: ENTIRE CHANNEL. CONTROLLING DEPTH: 9.0 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
1973-----	58,290	560,034	618,274	1978-----	1,805	890,097	891,902
1974-----	7,775	616,697	624,472	1979-----	4,403	1,053,450	1,057,853
1975-----	20,771	526,656	547,427	1980-----	17,459	616,112	633,571
1976-----	64,310	717,782	782,092	1981-----	21,372	776,984	798,356
1977-----	2,600	1,035,791	1,038,391	1982-----	3,107	697,024	700,131

FREIGHT TRAFFIC, 1942

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERVAL			
		INBOUND	OUTBOUND	NORTHBOUND	SOUTHBOUND
TOTAL-----	700,131	50,960	157,374	35,825	455,972
0911 FRESH FISH, EXCEPT SHELLFISH-----	2,987	2,987	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	120	120	-----	-----	-----
2412 RAFTED LOGS-----	697,024	47,853	157,374	35,825	455,972
TOTAL TON-MILES, 2,929,824.					

ANACORTES HARBOR, WASH.

SECTION INCLUDED: WATER FRONT OF FIDALGO ISLAND FROM BURROWS BAY TO AND INCLUDING THE OIL REFINERY WHARVES ON FIDALGO BAY. CONTROLLING DEPTH: MAIN HARBOR ON GUEMES CHANNEL, 33 FEET; CAPSANTO WATERWAY, OUTER WATERWAY 11.5 FEET, INNER WATERWAY 10.3 FEET, ANACORTES NAVIGATION CHANNEL, 17.0 FEET. PROJECT DEPTH: 40 PROJECT FOR MAIN HARBOR; CAPSANTO WATERWAY, 12 FEET ANACORTES NAVIGATION CHANNEL, 18 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
1973-----	2,749,726	146,221	2,895,947	614,026	1978-----	9,787,419	177,343	9,964,762	742,968
1974-----	3,792,185	179,640	3,971,825	717,199	1979-----	9,428,091	176,974	9,599,065	864,318
1975-----	4,650,542	200,997	4,851,539	764,243	1980-----	9,343,442	122,170	9,465,612	753,149
1976-----	7,240,868	250,781	7,491,649	654,738	1981-----	9,623,349	228,033	9,851,382	840,096
1977-----	8,821,585	146,728	8,968,313	695,552	1982-----	9,348,613	92,627	9,441,240	1,417,412

Waterborne Commerce of the United States, 1982

ANACOSTIA HARBOR, WASH.--CONTINUED

ADDITIONAL TRAFFIC

YEAR	GENERAL FERRY							
	FOREIGN			DOMESTIC			TOTAL	
	TONS	VEHICLES	PASSENGERS	TONS	VEHICLES	PASSENGERS	TONS	PASSENGERS
1973-----	3,789	55,187	177,454	18,495	260,637	436,572	22,284	515,824
1974-----	"	53,201	174,464	"	315,612	542,735	"	717,199
1975-----	"	58,908	195,312	"	333,433	548,931	"	764,243
1976-----	"	56,010	142,004	"	322,899	512,734	"	654,738
1977-----	"	55,218	141,124	"	362,967	554,428	"	695,552
1978-----	"	48,492	131,014	"	396,974	611,954	"	742,968
1979-----	"	44,128	126,671	"	452,699	737,647	"	864,318
1980-----	"	36,346	100,346	"	377,194	652,802	"	753,148
1981-----	"	55,552	157,470	"	386,354	642,626	"	840,096
1982-----	"	64,852	245,678	"	447,040	1,171,734	"	1,417,412

* NOT REPORTED.

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	9,439,240	2,565,691	135,686	3,099,314	1,663,880	205,253	1,596,170	173,233
0132 BANANAS AND PLANTAINS-----	1,928	1,928						
0161 ANIMALS AND PRODUCTS, NEC-----	40						40	
0911 FRESH FISH, EXCEPT SHELLFISH-----	3,248	366				2,882		
0912 SHELL FISH, EXCEPT PREPARED-----	171	3						
1311 CRUDE PETROLEUM-----	4,631,087	2,346,367		1,936,357	22,073	129,073	27,652	169,365
1411 LIMESTONE-----	16,563	16,563						
1442 SAND, GRAVEL, CRUSHED ROCK-----	560						560	
1491 SALT-----	200				200			
2411 LOGS-----	75,731	39,104	36,627					
2412 RAFTED LOGS-----	92,627						92,627	
2414 TIMBER, POSTS, POLES, PILING-----	133				133			
2421 LUMBER-----	1,292	27			65		1,200	
2491 WOOD MANUFACTURES, NEC-----	667				667			
2511 FURNITURE AND FIXTURES-----	84		4				80	
2691 PULP AND PAPER PRODUCTS, NEC-----	1	1						
2819 BASIC CHEMICALS AND PROD, NEC-----	7,927				7,927			
2821 PLASTIC MATERIALS-----	391	391						
2891 MISCELLANEOUS CHEMICAL PROD-----	11,633				4,770			
2911 GASOLINE-----	764,422	62,862		118,587	361,271	3,854	217,848	
2912 JET FUEL-----	101,419			8,530	86,906		5,983	
2913 KEROSENE-----	17,311		17,311					
2914 DISTILLATE FUEL OIL-----	822,813		39,609	324,988	221,508	29,610	207,098	
2915 RESIDUAL FUEL OIL-----	2,068,255		42,135	704,907	874,761	38,123	608,461	3,668
2916 LUBRICATING OILS AND GREASES-----	97,268	96,040		1,186		62		
2917 NAPHTHA, PETROLEUM SOLVENTS-----	81,255				75,774	5,481		
2921 LIQUEFIED GASES-----	140						140	
3011 RUBBER AND MISC PLASTIC PROD-----	30	30						
3241 BUILDING CEMENT-----	521				1		520	
3291 MISC NONMETALLIC MINERAL PROD-----	8				8			
3322 COPPER ALLOYS, UNWORKED-----	2	2						
3323 LEAD AND ZINC, UNWORKED-----	5	5						
3411 FABRICATED METAL PRODUCTS-----	3,945	30			3,173		742	
3511 MACHINERY, EXCEPT ELECTRICAL-----	4,014				1,220		2,794	
3611 ELECTRICAL MACH AND EQUIP-----	846	671			110		65	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	2,184	424			400		1,320	
3791 MISC TRANSPORTATION EQUIPMENT-----	757				757			
3911 MISC MANUFACTURED PRODUCTS-----	1	1						
4011 IRON AND STEEL SCRAP-----	153	153						
4012 NONFERROUS METAL SCRAP-----	22	22						
4029 WASTE AND SCRAP, NEC-----	628,800						628,800	
4112 COMMODITIES, NEC-----	766	701			25		40	

BELLINGHAM BAY AND HARBOR, WASH.

SECTION INCLUDED: BELLINGHAM BAY AND CHUCKANIT BAY FROM THE WHARF OF THE OLYMPIC PORTLAND CEMENT COMPANY ON THE NORTH TO AND INCLUDING CHUCKANIT INTERISLAND FERRY SLIP ON THE SOUTH. CONTROLLING DEPTHS: WHATCOM CREEK WATERWAY, 13.0 TO 29.3 FEET; SQUALIUM CREEK WATERWAY 24.9 FEET, FROM DEEP WATER TO TURNING BASIN, 25.6 FEET IN TURNING BASIN, 13.2 FEET FROM STA. 16 + 00 TO 5 + 40; I & J ST. WATERWAY, 11.4 FT. PROJECT DEPTHS: WHATCOM CREEK WATERWAY, 14 TO 30 FEET; SQUALIUM CREEK WATERWAY, 26 FEET OVER THE ENTIRE WATERWAY. I & J STREET WATERWAY 14 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
1973-----	3,282,597	282,822	3,565,419	1978-----	1,496,037	60,789	1,556,826
1974-----	1,452,727	492,934	1,945,661	1979-----	1,819,947	201,767	2,131,654
1975-----	1,421,834	461,650	1,883,484	1980-----	1,824,788	222,563	2,047,351
1976-----	1,594,376	164,219	1,760,595	1981-----	1,263,819	218,166	1,481,985
1977-----	1,639,750	78,658	1,718,417	1982-----	1,790,888	186,888	1,977,776

SEATTLE, WA, DISTRICT

BELLINGHAM BAY AND HAWKOD, WASH.--CONTINUED

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FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTRASTATE	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	1,977,776	401,734	219,464	36,825	188,954	907,267	227,512
0121 TOBACCO, LEAF-----	2	2					
0141 FRESH AND FROZEN VEGETABLES-----	472		472				
0861 FOREST PRODUCTS, NEC-----	2	2					
0911 FRESH FISH, EXCEPT SHELLFISH-----	16,898	1,821	779			14,298	
0912 SHELLFISH, EXCEPT PREPARED-----	199					199	
1051 ALUMINUM ORES, CONCENTRATES-----	35,825	35,825					
1402 SAND, GRAVEL, CRUSHED ROCK-----	9,275					9,275	
1491 SALT-----	143,128	107,128		36,000			
2018 TALLOW, ANIMAL FATS AND OILS-----	3,168		3,168				
2022 DRIED MILK AND CREAM-----	3,005		3,005				
2031 FISH AND SHELLFISH, PREPARED-----	861	17	19	825			
2034 VEGETABLES AND PREP, NEC-----	10	10					
2039 PREP FRUIT AND VEG JUICE, NEC-----	20	20					
2049 GRAIN MILL PRODUCTS, NEC-----	20	20					
2081 ALCOHOLIC BEVERAGES-----	17	17					
2099 MISCELLANEOUS FOOD PRODUCTS-----	33	33					
2211 BASIC TEXTILE PRODUCTS-----	94	94					
2311 APPAREL-----	16	16					
2411 LOGS-----	14,290		14,290				
2412 RAFTED LOGS-----	186,888					186,888	20,903
2413 FUEL WOOD, CHARCOAL, WASTES-----	12,637	9,423				3,214	
2416 WOOD CHIPS, STAVES, HOLDINGS-----	269,099	244,042				25,057	
2421 LUMBER-----	6,242	7	516		5,930		
2431 VENEER, PLYWOOD, WORKED WOOD-----	2	2					
2491 WOOD MANUFACTURES, NEC-----	26	26					
2511 FURNITURE AND FIXTURES-----	54	54					
2611 PULP-----	60,409		60,409				
2631 PAPER AND PAPERBOARD-----	6		6				
2691 PULP AND PAPER PRODUCTS, NEC-----	2	2					
2810 SODIUM HYDROXIDE-----	37,552				36,400		1,152
2813 ALCOHOLS-----	5,503				5,503		
2818 SULPHURIC ACID-----	3,300				3,300		
2819 BASIC CHEMICALS AND PROD, NEC-----	5,899	54	5,406		435		
2841 SOAP-----	34,937		34,937				
2861 GUM AND WOOD CHEMICALS-----	111,476				21,944		49,478
2891 MISCELLANEOUS CHEMICAL PROD-----	10,801	1			10,800		
2911 GASOLINE-----	33,112					33,112	
2912 JET FUEL-----	28,039				28,039		
2914 DISTILLATE FUEL OIL-----	122,240				71,990	22,017	28,233
2915 RESIDUAL FUEL OIL-----	2,320					2,320	
3211 GLASS AND GLASS PRODUCTS-----	1	1					
3241 BUILDING CEMENT-----	87,746						87,746
3291 MISC NONMETALLIC MINERAL PROD-----	600				600		
3312 SLAG-----	5,410					5,410	
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,494	1,494					
3317 IRON AND STEEL PIPE AND TUBE-----	1,705	924	777				
3321 NONFERROUS METALS, NEC-----	563	563					
3324 ALUMINUM AND ALLOYS, UNWORKED-----	95,380		95,380				
3411 FABRICATED METAL PRODUCTS-----	77	77					
3511 MACHINERY, EXCEPT ELECTRICAL-----	537	34	499				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1		1				
3911 MISC MANUFACTURED PRODUCTS-----	2	2					
4029 WASTE AND SCRAP, NEC-----	626,400					626,400	
4112 COMMODITIES, NEC-----	7	7					

Waterborne Commerce of the United States, 1982

OTHER HARBORS & WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT				
BLAINE HARBOR, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	5,101		
	0912 SHELLFISH, EXCEPT PREPARED	249		
	TOTAL	5,350		
COLUMBIA RIVER BETWEEN WETCHOFF AND KETTLE FALLS, WASH.	2412 RAFTED LOGS	42,374		
	3511 MACHINERY, EXCEPT ELECTRICAL	130		
	TOTAL	42,504	1,567,724	11
FLATHEAD LAKE, MONT.	NO COMMERCE REPORTED			
HOUSTON RIVER, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	2,307		
	0912 SHELLFISH, EXCEPT PREPARED	2		
	2412 RAFTED LOGS	35,015		
	TOTAL	37,324	42,319	
KOOTENAI RIVER, IDAHO AND MONT.	NO COMMERCE REPORTED			
NEAH BAY, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	2,014		
	0912 SHELLFISH, EXCEPT PREPARED	29		
	2412 RAFTED LOGS	1,515		
	2911 GASOLINE	1,413		
	2914 DISTILLATE FUEL OIL	1,507		
	TOTAL	6,478		
QUILLAYUTE RIVER, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	124		
	0912 SHELLFISH, EXCEPT PREPARED	2		
	TOTAL	126	124	
SKAGIT RIVER, WASH.	4029 WASTE AND SCRAP, NEC	2,400	34,000	
STILLAGUAISH RIVER, WASH.	NO COMMERCE REPORTED			
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WASH.	2413 FUEL WOOD, CHARCOAL, WASTES	2,874		
	2416 WOOD CHIPS, STAVES, WOODINGS	5,755		
	TOTAL	8,629	8,629	
WILLAPA RIVER AND HARBOR, AND NARLEE RIVER, WASH.	0911 FRESH FISH, EXCEPT SHELLFISH	694		
	0912 SHELLFISH, EXCEPT PREPARED	2,690		
	TOTAL	3,384	41,265	
NONPROJECT				
COEUR D'ALENE LAKE AND ST. JOE RIVER, IDAHO	2412 RAFTED LOGS	497,725	9,922,053	
OTHER PUGET SOUND ANFA PORTS, WASH. (NET)	0141 FRESH AND FROZEN VEGETABLES	547		
	0141 ANIMALS AND PRODUCTS, NEC	40		
	0911 FRESH FISH, EXCEPT SHELLFISH	1,264		
	0912 SHELLFISH, EXCEPT PREPARED	1,511		
	1051 ALUMINUM ORES, CONCENTRATES	362,863		
	1311 CRUDE PETROLEUM	12,121,567		
	1411 LIMESTONE	3,916		
	1442 SAND, GRAVEL, CRUSHED ROCK	2,422,601		
	1451 CLAY	187,596		
	1499 NONMETALLIC MINERALS, NEC	480		
	2031 FISH AND SHELLFISH, PREPARED	220		
	2039 PREP FRUIT AND VEG JUICE, NEC	21		
	2411 LOGS	2,687		
	2412 RAFTED LOGS	976,553		
	2413 FUEL WOOD, CHARCOAL, WASTES	240		
	2414 TIMBER, POSTS, POLES, PILING	7,940		
	2416 WOOD CHIPS, STAVES, WOODINGS	60,934		
	2421 LUMBER	1,527		
	2431 VENEER, PLYWOOD, WORKED WOOD	365		
	2491 WOOD MANUFACTURES, NEC	1		
	2511 FURNITURE AND FIXTURES	80		
	2611 PULP	730		
	2631 PAPER AND PAPERBOARD	21		
	2891 MISCELLANEOUS CHEMICAL PROD	252		
	2911 GASOLINE	411,990		
	2912 JET FUEL	743,604		
	2913 KEROSENE	2,457		
	2914 DISTILLATE FUEL OIL	411,036		
	2915 RESIDUAL FUEL OIL	1,275,302		
	2916 LUBRICATING OILS AND GREASES	54,672		
	2918 ASPHALT, TAR, AND BITUMENS	15		
	2921 LIQUEFIED GASES	140		
	2991 PETROLEUM AND COAL PROD, NEC	15,421		
	3011 RUBBER AND MISC PLASTIC PROD	4		
	3241 BUILDING CEMENT	520		
	3291 MISC NONMETALLIC MINERAL PROD	15,772		
	3312 SLAG	4,255		
	3321 MISCELLANEOUS METALS, NEC	4		
	3411 FABRICATED METAL PRODUCTS	2,104		
	3511 MACHINERY, EXCEPT ELECTRICAL	3,447		
	3611 ELECTRICAL MACH AND EQUIP	15		
	3711 AUTOM VEHICLES, PARTS, EQUIP	1,424		
	3731 SHIPS AND BOATS	290,024		
	3911 MISC MANUFACTURED PRODUCTS	4		
	4011 IRON AND STEEL SCRAP	220		
	4029 WASTE & SCRAP, NEC	225		

SEATTLE, WA, DISTRICT

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OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS MILLS	PASSENGERS
ADJACENT--CONTINUED				
OTHER PUGET SOUND AREA PORTS, FISH, ETC. (CONTINUED)-----	9112 COMMODITIES, SEC-----	790	-----	-----
	TOTAL-----	20,184,722	-----	19,756,355

ALASKA DISTRICT

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 DEPTHS: 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 (TOYS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	ADDITIONAL TRAFFIC	
					GENERAL FERRY VEHICLES	PASSENGERS
1973	1,076,473	1,090,820	2,167,293	50,019	11,034	50,019
1974	954,675	1,207,699	2,162,374	230,670	48,513	230,670
1975	852,762	709,745	1,562,507	62,146	12,201	62,146
1976	923,043	636,024	1,559,067	625,180	125,239	625,180
1977	1,139,137	826,589	1,965,726	346,708	64,345	346,708
1978	1,293,351	679,483	1,972,834	325,836	40,733	325,836
1979	1,700,642	501,375	2,202,017	313,108	58,793	313,108
1980	1,895,316	671,857	2,567,173	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	82,825	393,573

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,765,019	67,435	618,004	420,742	55,815	330,633	202,004	70,386
0122 HAY AND FODDER-----	2						2	
0141 FRESH AND FROZEN VEGETABLES-----	298			298				
0191 MISCELLANEOUS FARM PRODUCTS-----	485			485				
0911 FRESH FISH, EXCEPT SHELLFISH-----	6,387	47	6,045	152	55	20	48	
1011 IRON ORE AND CONCENTRATES-----	51,315	51,315						
1402 SAND, GRAVEL, CRUSHED ROCK-----	9,513	5,624					3,889	
1491 SALT-----	560			540		20		
1492 SULPHUR, DRY-----	5,931			5,931				
2011 MEAT, FRESH, CHILLED, FROZEN-----	15			15				
2031 FISH AND SHELLFISH, PREPARED-----	13,401		246	9	13,546			
2039 PREP FRUIT AND VEG JUICE, NEC-----	633			25	608			
2049 GRAIN MILL PRODUCTS, NEC-----	10			10				
2081 ALCOHOLIC BEVERAGES-----	1,456			1,453			3	
2094 GROCERIES-----	6,303			6,303				
2099 MISCELLANEOUS FOOD PRODUCTS-----	9,602			9,535	60		7	
2111 TOBACCO MANUFACTURES-----	1			1				
2211 BASIC TEXTILE PRODUCTS-----	122			120	2			
2411 LOGS-----	336,705		336,686				19	
2412 RAFTED LOGS-----	292,010					287,063	4,947	
2414 TIMBER, POSTS, POLES, PILING-----	241			24			217	
2416 WOOD CHIPS, STAVES, MOLDINGS-----	130,451		19,270			41,045		70,136
2421 LUMBER-----	176,783	45	160,574	10,443	4,988		733	
2431 VENEER, PLYWOOD, WORKED WOOD-----	314			187			127	
2491 WOOD MANUFACTURES, NEC-----	372	23		230	62	2	55	
2511 FURNITURE AND FIXTURES-----	1,258			956	284	8	10	
2611 PULP-----	119,360		95,163		24,197			
2621 STANDARD NEWSPRINT PAPER-----	129			127	2			
2631 PAPER AND PAPERBOARD-----	187			187				
2691 PULP AND PAPER PRODUCTS, NEC-----	6,398			957	5,441			
2810 SODIUM HYDROXIDE-----	15,341			15,341				
2818 SULPHURIC ACID-----	75			75				
2819 BASIC CHEMICALS AND PROD, NEC-----	2,920	1,147		1,727			46	
2821 PLASTIC MATERIALS-----	1					1		
2841 SOAP-----	148			148				
2851 PAINTS-----	96			92			4	
2871 NITROGENOUS CHEM FERTILIZERS-----	26			26				
2879 FERTILIZER AND MATERIALS, NEC-----	9			9				
2891 MISCELLANEOUS CHEMICAL PROD-----	5,518			5,493			25	
2911 GASOLINE-----	90,554			54,306	423		35,825	
2912 JET FUEL-----	50,583			36,163	104		14,316	
2914 DISTILLATE FUEL OIL-----	269,058			143,855	1,259		123,944	
2915 RESIDUAL FUEL OIL-----	84,500			84,500				
2916 LUBRICATING OILS AND GREASES-----	58						58	
2918 ASPHALT, TAR, AND PITCHES-----	1,596			1,590			6	
2920 COKE, PETROLEUM COKE-----	1,217			1,217				
2921 LIQUEFIED GASES-----	2,458	2,397		2			59	
2951 ASPHALT BUILDING MATERIALS-----	39			39				
2991 PETROLEUM AND COAL PROD, NEC-----	1,054			3,039	13		6	
3011 RUBBER AND MISC PLASTIC PROD-----	603			459	112		32	
3211 GLASS AND GLASS PRODUCTS-----	51			42	9			
3241 BUILDING CEMENT-----	13,232	6,700		6,010	1		521	
3251 STRUCTURAL CLAY PRODUCTS-----	7			7				
3291 MISC NONMETALLIC MINERAL PROD-----	1,168			445	39		684	
3315 IRON, STEEL SHAPES, EXC SHEET-----	163						163	
3316 IRON AND STEEL PLATES, SHEETS-----	35				3		32	
3317 IRON AND STEEL PIPE AND TUBE-----	87						87	
3319 IRON AND STEEL PRODUCTS, NEC-----	95			33	21		41	
3321 NONFERROUS METALS, NEC-----	35			30			5	
3322 COPPER ALLOYS, UNWORKED-----	7						7	
3411 FABRICATED METAL PRODUCTS-----	16,861	2		12,526	444	160	3,325	
3511 MACHINERY, EXCEPT ELECTRICAL-----	15,181			7,852	2,436	441	4,202	250
3611 ELECTRICAL MACH AND EQUIP-----	1,131			1,011	17	39	64	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	3,390			1,995	394	180	821	
3731 SHIPS AND BOATS-----	48	1		23	3	7	14	
3791 MISC TRANSPORTATION EQUIPMENT-----	319			16	17	42	248	

ALASKA DISTRICT

KETCHIKAN HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1942--CONTINUED

(SHORT TONS)

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COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
3911 MISC MANUFACTURED PRODUCTS-----	1,032	-----	-----	902	76	54
4011 IRON AND STEEL SCRAP-----	20	-----	-----	20	-----	-----
4112 COMMODITIES, NEC-----	9,123	134	-----	3,762	297	3,342
4119 EMPTY CONTAINERS-----	534	-----	-----	19	474	37

WRANGELL HARBOR, ALASKA

SECTION INCLUDED: SHORELINE OF WRANGELL ISLAND FROM THE AIRPLANE LANDING NEAR THE BASE OF POINT SHEKESTI TO POINT HIGHFIELD ON THE NORTH, CONTROLLING DEPTH: 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	PASSENGERS
					VEHICLES	
1973-----	631,853	539,786	1,171,639	17,440	3,129	17,480
1974-----	529,954	493,369	1,023,323	18,240	3,637	18,280
1975-----	425,362	530,828	956,190	19,048	5,034	19,048
1976-----	427,348	399,999	827,347	16,814	3,654	16,814
1977-----	404,554	225,172	629,726	13,545	3,555	13,545
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-----	406,795	103,703	550,498	16,793	3,474	16,793
1981-----	318,966	323,727	642,693	15,361	3,643	15,361
1982-----	553,765	41,531	595,296	17,014	4,026	17,014

FREIGHT TRAFFIC, 1942

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		INTERNAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	595,296	5	452,659	10,426	1,609	74,321
0129 FIELD CROPS, NEC-----	2	-----	-----	2	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	1	-----	-----	1	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	40	-----	-----	40	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,214	5	1,181	12	-----	16
1442 SAND, GRAVEL, CRUSHED ROCK-----	7,800	-----	-----	-----	-----	7,800
1491 SALT-----	31	-----	-----	31	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	618	-----	19	1	508	-----
2081 ALCOHOLIC BEVERAGES-----	5	-----	-----	5	-----	-----
2094 GROCERIES-----	1,376	-----	-----	1,376	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,442	-----	-----	2,442	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	8	-----	-----	8	-----	-----
2411 LOGS-----	320,871	-----	320,871	-----	-----	-----
2412 RAFTED LOGS-----	41,531	-----	-----	-----	-----	41,531
2416 WOOD CHIPS, STAVES, MOLDINGS-----	53,697	-----	-----	-----	-----	53,697
2421 LUMBER-----	144,982	-----	130,788	1,236	568	12,390
2431 VENEER, PLYWOOD, WORKED WOOD-----	11	-----	-----	11	-----	-----
2491 WOOD MANUFACTURES, NEC-----	30	-----	-----	30	-----	-----
2511 FURNITURE AND FIXTURES-----	118	-----	-----	90	28	-----
2631 PAPER AND PAPERBOARD-----	4	-----	-----	4	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	39	-----	-----	39	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	220	-----	-----	220	-----	-----
2851 PAINTS-----	13	-----	-----	13	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	1	-----	-----	1	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	5	-----	-----	5	-----	-----
2911 GASOLINE-----	2,991	-----	-----	-----	-----	2,991
2912 JET FUEL-----	1,598	-----	-----	-----	-----	1,598
2914 DISTILLATE FUEL OIL-----	7,427	-----	-----	-----	-----	7,427
2921 LIQUEFIED GASES-----	101	-----	-----	120	21	-----
2991 PETROLEUM AND COAL PROD, NEC-----	301	-----	-----	301	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	48	-----	-----	41	7	-----
3211 GLASS AND GLASS PRODUCTS-----	3	-----	-----	1	2	-----
3241 BUILDING CEMENT-----	806	-----	-----	806	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	3	-----	-----	3	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	32	-----	-----	32	-----	-----
3321 NONFERROUS METALS, NEC-----	13	-----	-----	13	-----	-----
3411 FABRICATED METAL PRODUCTS-----	1,217	-----	-----	1,014	44	113
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,749	-----	-----	1,117	141	391
3611 ELECTRICAL MACH AND EQUIP-----	100	-----	-----	80	2	18
3711 MOTOR VEHICLES, PARTS, EQUIP-----	325	-----	-----	251	53	21
3731 SHIPS AND BOATS-----	3	-----	-----	2	-----	1
3791 MISC TRANSPORTATION EQUIPMENT-----	37	-----	-----	14	-----	15
3911 MISC MANUFACTURED PRODUCTS-----	231	-----	-----	191	-----	40
4011 IRON AND STEEL SCRAP-----	2	-----	-----	-----	2	-----
4112 COMMODITIES, NEC-----	2,130	-----	-----	1,225	21	70
4119 EMPTY CONTAINERS-----	40	-----	-----	-----	40	814

ALASKA DISTRICT

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WRANGELL NARROWS, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	THROUGH		INBOUND	OUTBOUND	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
3317 IRON AND STEEL PIPE AND TUBE--	80	-----	-----	40	-----	-----	-----	36	-----
3319 IRON AND STEEL PRODUCTS, NEC--	27	-----	-----	13	-----	-----	-----	14	-----
3321 NONFERROUS METALS, NEC--	170	-----	-----	169	1	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED--	4	-----	-----	-----	-----	-----	-----	4	-----
3411 FABRICATED METAL PRODUCTS--	11,212	1,730	134	6,501	129	-----	-----	2,561	157
3511 MACHINERY, EXCEPT ELECTRICAL--	6,975	166	142	2,557	1,401	25	312	1,998	374
3611 ELECTRICAL MACH AND EQUIP--	489	74	2	304	21	-----	-----	23	65
3711 MOTOR VEHICLES, PARTS, EQUIP--	6,131	121	17	4,252	1,487	-----	-----	237	12
3791 SHIPS AND BOATS--	376	-----	-----	322	39	-----	-----	5	-----
3791 MISC TRANSPORTATION EQUIPMENT--	1,847	30	52	1,102	579	-----	7	59	18
4011 IRON AND STEEL SCRAP--	2,202	-----	3	1A	2,1A1	-----	-----	-----	-----
4112 COMMODITIES, NEC--	40,172	1,482	91	34,584	2,629	570	194	441	176
4119 EMPTY CONTAINERS--	1,517	4	51	276	1,174	-----	-----	-----	10
TON-MILES, DOMESTIC,	13,033,692.								
TONS, ALL TRAFFIC,	561,793.								
TON-MILES, ALL TRAFFIC,	13,059,168.								

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 DEPTH: 22 FEET AT MLLW IN WESTERN CHANNEL AND 11 FEET IN SMALL BOAT BASIN. PROJECT DEPTH: 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
1973-----	480,517	347,257	827,774	14,834	1978-----	504,144	344,143	848,327	20,420
1974-----	519,606	450,295	969,901	14,413	1979-----	520,827	-----	520,827	11,666
1975-----	370,084	17,426	387,510	12,081	1980-----	643,229	361,146	1,014,375	32,196
1976-----	615,654	382,074	997,728	23,837	1981-----	534,276	349,835	924,111	33,889
1977-----	551,405	3,889	555,294	16,757	1982-----	395,356	-----	395,356	26,996

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
1973-----	-----	-----	*	3,280	14,834	1978-----	-----	-----	*	4,674	20,420
1974-----	-----	-----	*	3,313	14,413	1979-----	-----	-----	*	2,278	11,666
1975-----	-----	-----	*	3,145	12,081	1980-----	-----	-----	*	6,092	32,196
1976-----	-----	-----	*	4,873	23,837	1981-----	-----	-----	*	6,455	33,889
1977-----	-----	-----	*	4,053	16,757	1982-----	-----	-----	*	4,702	26,996

* CARGO REPORTED AS FREIGHT TRAFFIC.

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	395,356	15,916	109,027	125,363	43,392	101,299	360
0141 FRESH AND FROZEN VEGETABLES-----	80	-----	-----	80	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	98	-----	-----	49	49	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	24	-----	-----	24	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,909	-----	1,096	361	347	56	40
1442 SAND, GRAVEL, CRUSHED ROCK-----	4,800	-----	-----	-----	-----	-----	-----
1491 SALT-----	11,646	-----	-----	6,176	5,470	-----	-----
1492 SULPHUR, DRY-----	4,749	-----	-----	4,749	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	8	-----	-----	8	4	-----	-----
2021 DAIRY PRODUCTS, NEC-----	8	-----	-----	8	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	10,390	-----	-----	2,502	7,866	2	-----
2049 GRAIN MILL PRODUCTS, NEC-----	40	-----	-----	40	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	1,434	-----	-----	1,099	335	-----	-----
2094 GROCERIES-----	7,804	-----	-----	6,119	1,685	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,249	-----	-----	2,126	123	-----	-----
2814 TIMBER, POSTS, POLES, PILING-----	41	-----	-----	41	-----	-----	-----
2816 WOOD CHIPS, STAVES, HOLDINGS-----	71,076	-----	-----	-----	-----	71,076	-----
2821 LUMBER-----	3,115	-----	-----	2,161	954	-----	-----
2891 VENEER, PLYWOOD, WORKED WOOD-----	562	-----	-----	460	82	-----	-----
2891 WOOD MANUFACTURES, NEC-----	1,032	-----	-----	764	268	-----	-----
2911 FURNITURE AND FIXTURES-----	1,211	-----	-----	659	567	-----	5
2611 PULP-----	114,832	-----	107,931	-----	6,901	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	95	-----	-----	11	84	-----	-----
2631 PAPER AND PAPERBOARD-----	20	-----	-----	11	9	-----	-----

Waterborne Commerce of the United States, 1982

SITKA HARBOR, ALASKA--CONTINUED

ENFIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
2691 PULP AND PAPER PRODUCTS, NEC-----	1,528			983	541		
2711 PRINTED MATTER-----	1	1					
2810 SODIUM HYDROXIDE-----	17,563			17,563			
2819 BASIC CHEMICALS AND PROD, NEC-----	7,300			7,300	80		
2851 PAINTS-----	131			128	3		
2879 FERTILIZER AND MATERIALS, NEC-----	37			37			
2891 MISCELLANEOUS CHEMICAL PROD-----	4,957			4,909		48	
2911 GASOLINE-----	6,210			313		5,905	
2912 JET FUEL-----	5,498			247		5,251	
2914 DISTILLATE FUEL OIL-----	18,652			508		18,144	
2915 RESIDUAL FUEL OIL-----	39,619			39,723	96		
2918 ASPHALT, TAR, AND PITCHES-----	634			617	17		
2921 LIQUEFIED GASES-----	38			19	19		
2951 ASPHALT BUILDING MATERIALS-----	106			106			
2991 PETROLEUM AND COAL PROD, NEC-----	706			445	261		
3011 RUBBER AND MISC PLASTIC PROD-----	49	14		29	6		
3211 GLASS AND GLASS PRODUCTS-----	9				9		
3241 BUILDING CEMENT-----	12,494	11,100		992	602		
3251 STRUCTURAL CLAY PRODUCTS-----	145	1		144			
3291 MISC NONMETALLIC MINERAL PROD-----	1,631			1,303	328		
3321 NONFERROUS METALS, NEC-----	15			15			
3411 FABRICATED METAL PRODUCTS-----	3,417			2,117	739	521	40
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,717			1,320	1,109	163	125
3611 ELECTRICAL MACH AND EQUIP-----	106			89	17		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	4,169			2,196	1,965	2	6
3731 SHIPS AND BOATS-----	123			95	27	1	
3791 MISC TRANSPORTATION EQUIPMENT-----	464			205	259		
4011 IRON AND STEEL SCRAP-----	2,343			1,005	1,338		
4112 COMMODITIES, NEC-----	26,717			15,389	11,064	129	135
4119 EMPTY CONTAINERS-----	290			122	168		

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	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1973-----	214,886	347,257	562,143	1978-----	328,883	384,143	713,026
1974-----	181,848	442,307	623,755	1979-----	354,119		354,119
1975-----	185,695	17,426	203,121	1980-----	540,678	361,146	901,824
1976-----	170,002	373,861	543,863	1981-----	334,072	221,407	555,479
1977-----	378,571	3,889	382,460	1982-----	261,131		261,131

* PASSENGERS--26,996.

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE THROUGH		INTERNAL THROUGH	
		NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND
TOTAL-----	261,131	62,584	83,141	7,972	107,434
0141 FRESH AND FROZEN VEGETABLES-----	80		80		
0141 ANIMALS AND PRODUCTS, NEC-----	49	49			
0191 MISCELLANEOUS FARM PRODUCTS-----	24		24		
0911 FRESH FISH, EXCEPT SHELLFISH-----	470	2	363	49	56
1091 NONFERROUS ORES, CONCENT, NEC-----	68		68		
1491 SALT-----	6,292		6,292		
1492 SULPHUR, DRY-----	4,749		4,749		
2011 MEAT, FRESH, CHILLED, FROZEN-----	4		4		
2021 DAIRY PRODUCTS, NEC-----	8		8		
2031 FISH AND SHELLFISH, PREPARED-----	12,287	7,886	4,399		2
2049 GRAIN MILL PRODUCTS, NEC-----	40		40		
2081 ALCOHOLIC BEVERAGES-----	1,101	2	1,099		
2094 GROCERIES-----	6,217	192	6,025		
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,126		2,126		
2414 TIMBER, POSTS, POLES, PILING-----	41		41		
2416 WOOD CHIPS, STAVES, HOLDINGS-----	71,076				71,076
2421 LUMBER-----	2,195	18	2,177		
2431 VENEER, PLYWOOD, WORKED WOOD-----	464	10	454		
2491 WOOD MANUFACTURES, NEC-----	768		768		
2511 FURNITURE AND FIXTURES-----	895	473	417	5	
2611 PULP-----	6,901	6,901			
2621 STANDARD NEWSPRINT PAPER-----	362	84	278		
2631 PAPER AND PAPERBOARD-----	44	9	35		
2691 PULP AND PAPER PRODUCTS, NEC-----	1,074	40	1,034		
2810 SODIUM HYDROXIDE-----	17,563		17,563		
2819 BASIC CHEMICALS AND PROD, NEC-----	7,300	5	7,295		
2851 PAINTS-----	132	2	130		

ALASKA DISTRICT

BERGIUS AND WHITESTONE NARROWS, ALASKA--CONTINUED

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FREIGHT TRAFFIC, 1982--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE THROUGH		INTERNAL THROUGH	
		NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND
2079 FERTILIZER AND MATERIALS, NEC-----	37		37		
2091 MISCELLANEOUS CHEMICAL PROD-----	5,020		4,909		111
2011 GASOLINE-----	8,735	313		1,066	7,356
2012 JET FUEL-----	7,368	247		246	6,875
2014 DISTILLATE FUEL OIL-----	27,741	504		6,094	21,139
2015 RESIDUAL FUEL OIL-----	39,819	39,819			
2010 ASPHALT, TAR, AND PITCHES-----	617		617		
2021 LIQUEFIED GASES-----	19		19		
2081 ASPHALT BUILDING MATERIALS-----	106		106		
2091 PETROLEUM AND COAL PROD, NEC-----	457	12	445		
3011 RUBBER AND MISC PLASTIC PROD-----	39	6	33		
3211 GLASS AND GLASS PRODUCTS-----	41	9	32		
3201 BUILDING CEMENT-----	992		992		
3251 STRUCTURAL CLAY PRODUCTS-----	144		144		
3291 MISC NONMETALLIC MINERAL PROD-----	1,309	10	1,299		
3321 NONFERROUS METALS, NEC-----	15		15		
3411 FABRICATED METAL PRODUCTS-----	2,026	41	2,130	134	521
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,851	867	676	145	163
3611 ELECTRICAL MACH AND EQUIP-----	97	17	80		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	2,490	1,285	1,197	6	2
3731 SHIPS AND BOATS-----	100	6	93		1
3791 MISC TRANSPORTATION EQUIPMENT-----	438	100	338	8	
4011 IRON AND STEEL SCRAP-----	1,339	1,319	20		
4112 COMMODITIES, NEC-----	16,766	2,184	14,251	219	132
4119 EMPTY CONTAINERS-----	415	168	247		

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
1973-----	1,347,761		1,347,761	62,730	4,649	62,730
1974-----	1,514,744		1,514,744	102,903	5,052	102,903
1975-----	1,416,177		1,416,177	151,573	5,573	151,573
1976-----	832,562		832,562	139,851	8,270	139,851
1977-----	1,026,448		1,026,448	77,058	5,458	77,058
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	153,752
1981-----	1,118,804		1,118,804	52,538	6,652	52,538
1982-----	510,027		510,027	91,859	10,722	91,859

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE RECEIPTS	DOMESTIC INTERNAL	
		IMPORTS	EXPORTS		RECEIPTS	SHIPMENTS
TOTAL-----	510,027	220,244	279,001	1,175	9,466	141
1021 COPPER ORE AND CONCENTRATES-----	25,289		25,289			
1091 NONFERROUS ORES, CONCENT, NEC-----	246,225		246,225			
2421 LUMBER-----	50	50				
2711 PRINTED MATTER-----	2	2				
2041 SOAP-----	2	2				
2011 GASOLINE-----	32,463	32,223		170	590	
2012 JET FUEL-----	612			140	472	
2014 DISTILLATE FUEL OIL-----	49,328	40,512		865	7,951	
2016 LUBRICATING OILS AND GREASES-----	1	1				
2091 PETROLEUM AND COAL PROD, NEC-----	101,121	101,121				
3011 RUBBER AND MISC PLASTIC PROD-----	7	7				
3317 IRON AND STEEL PIPE AND TUBE-----	31	31				
3411 FABRICATED METAL PRODUCTS-----	56	21			10	25
3511 MACHINERY, EXCEPT ELECTRICAL-----	567	137			430	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	21				13	6
3791 MISC TRANSPORTATION EQUIPMENT-----	21	2				19
4112 COMMODITIES, NEC-----	53,704	46,135	7,487			82
4119 EMPTY CONTAINERS-----	7					7

Waterborne Commerce of the United States, 1982

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, 40 FEET OFF THE VALDEZ DOCK, AND 0,0 AT SONTAG & ALASKA HYDROTRAIN FACILITIES, ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	301,076	1978-----	55,591,933
1974-----	356,967	1979-----	65,452,418
1975-----	654,514	1980-----	65,973,086
1976-----	507,672	1981-----	64,842,803
1977-----	10,666,972	1982-----	90,138,462

* PASSENGERS--30,899.

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC COASTWISE	
		EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	90,138,462	4,484	175,787	89,958,191
0911 FRESH FISH, EXCEPT SHELLFISH-----	4,387	4,387		
1311 CRUDE PETROLEUM-----	89,834,353			89,834,353
2031 FISH AND SHELLFISH, PREPARED-----	97	97		
2081 ALCOHOLIC BEVERAGES-----	8		8	
2094 GROCERIES-----	16		16	
2414 TIMBER, POSTS, POLES, PILING-----	133		133	
2421 LUMBER-----	10,510		10,242	268
2431 VENEER, PLYWOOD, WORKED WOOD-----	4			
2491 WOOD MANUFACTURES, NEC-----	980		947	33
2911 GASOLINE-----	58,748		37,241	21,507
2912 JET FUEL-----	27,036		15,016	12,020
2914 DISTILLATE FUEL OIL-----	196,972		109,226	87,746
2991 PETROLEUM AND COAL PROD, NEC-----	1,427			1,427
3011 RUBBER AND MISC PLASTIC PROD-----	1		1	
3241 BUILDING CEMENT-----	1		1	
3291 MISC NONMETALLIC MINERAL PROD-----	8		8	
3411 FABRICATED METAL PRODUCTS-----	2,499		2,499	
3511 MACHINERY, EXCEPT ELECTRICAL-----	893		132	761
3711 MOTOR VEHICLES, PARTS, EQUIP-----	44			44
3791 MISC TRANSPORTATION EQUIPMENT-----	307		307	
4112 COMMODITIES, NEC-----	14		6	8
4119 EMPTY CONTAINERS-----	24			24

ANCHORAGE, ALASKA

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

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC GENERAL FERRY		YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC GENERAL FERRY	
			VEHICLES	PASSENGERS				VEHICLES	PASSENGERS
1973-----	2,624,763	2,900	562	2,900	1978-----	2,226,158			
1974-----	2,340,181				1979-----	1,638,747			
1975-----	2,936,159				1980-----	1,751,640			
1976-----	2,932,468				1981-----	2,259,941			
1977-----	2,267,081				1982-----	1,998,185			

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	1,998,185	100,360	52,792	1,706,406	138,227
0112 FLAXSEED-----	134			134	
0122 HAY AND FODDER-----	87			87	
0129 FIELD CROPS, NEC-----	56			56	
0131 FRESH FRUITS-----	14,816			14,816	
0132 BANANAS AND PLANTAINS-----	1,972			1,972	
0141 FRESH AND FROZEN VEGETABLES-----	17,857			17,857	
0161 ANIMALS AND PRODUCTS, NEC-----	2,367			2,300	67
0191 MISCELLANEOUS FARM PRODUCTS-----	533			533	
0861 FOREST PRODUCTS, NEC-----	917			917	
0911 FRESH FISH, EXCEPT SHELLFISH-----	20,418		17,279	160	2,979
0912 SHELLFISH, EXCEPT PREPARED-----	1,242		999		243
1121 COAL AND LIGNITE-----	12,324			12,321	3
1411 LIMESTONE-----	1,995	1,995			
1442 SAND, GRAVEL, CRUSHED ROCK-----	684			684	
1451 CLAY-----	696			696	
1491 SALT-----	3,827			3,827	

ALASKA DISTRICT

ANCHORAGE, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

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COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
1404 GYPSUM, CRUDE AND PLASTERS	368			368	
1409 NONMETALLIC MINERALS, NEC	3,128			3,128	
2011 MEAT, FRESH, CHILLED, FROZEN	12,408			12,408	
2012 MEAT AND PRODUCTS, NEC	167			167	
2021 DAIRY PRODUCTS, NEC	28,210			28,210	
2031 FISH AND SHELLFISH, PREPARED	45,535		2,293	557	42,685
2034 VEGETABLES AND PREP, NEC	2,001			2,001	
2039 PREP FRUIT AND VEG JUICE, NEC	282			282	
2041 WHEAT FLOUR AND SEMOLINA	90			90	
2042 ANIMAL FEEDS	2,692			2,692	
2049 GRAIN MILL PRODUCTS, NEC	89			89	
2061 SUGAR	39			23	16
2081 ALCOHOLIC BEVERAGES	28,475			28,455	20
2094 GROCERIES	106,099			106,078	21
2099 MISCELLANEOUS FOOD PRODUCTS	23,812			23,730	82
2111 TOBACCO MANUFACTURES	69			69	
2111 BASIC TEXTILE PRODUCTS	233			233	
2111 APPAREL	9			9	
2111 LOGS	31,734		31,716	18	
2413 FUEL WOOD, CHARCOAL, WASTES	213			213	
2414 TIMBER, POSTS, POLES, PILING	1,041			1,041	
2421 LUMBER	98,946	6A		98,795	83
2431 VENEER, PLYWOOD, WORKED WOOD	8,663			8,663	
2491 WOOD MANUFACTURES, NEC	34,795			34,737	58
2511 FURNITURE AND FIXTURES	23,362			15,844	7,518
2621 STANDARD NEWSPRINT PAPER	7,778			7,778	
2631 PAPER AND PAPERBOARD	14,851	12,466		2,385	
2691 PULP AND PAPER PRODUCTS, NEC	5,970	127		5,819	24
2711 PRINTED MATTER	717			717	
2811 CRUDE TAR, OIL, GAS PRODUCTS	6,042			6,042	
2813 ALCOHOLS	513			513	
2816 RADIOACTIVE MATERIALS, WASTES	59			59	
2817 BENZENE AND TOLUENE	1,488			1,488	
2819 BASIC CHEMICALS AND PROD, NEC	6,145			6,143	2
2821 PLASTIC MATERIALS	2,904			2,904	
2831 DRUGS	110			110	
2841 SOAP	957			953	4
2851 PAINTS	276			276	
2861 GUM AND WOOD CHEMICALS	24			24	
2871 NITROGENOUS CHEM FERTILIZERS	213			213	
2879 FERTILIZER AND MATERIALS, NEC	388			388	
2891 MISCELLANEOUS CHEMICAL PROD	2,344	1		2,343	
2911 GASOLINE	69,912	32,768		37,144	
2912 JET FUEL	179,623			179,623	
2914 DISTILLATE FUEL OIL	33,180			15,693	17,487
2916 LUBRICATING OILS AND GREASES	649			649	
2917 NAPHTHA, PETROLEUM SOLVENTS	268			268	
2918 ASPHALT, TAR, AND PITCHES	23,888			22,276	1,612
2921 LIQUEFIED GASES	2				2
2951 ASPHALT BUILDING MATERIALS	674			672	2
2991 PETROLEUM AND COAL PROD, NEC	13,912			13,890	22
3011 RUBBER AND MISC PLASTIC PROD	3,011			2,889	122
3211 GLASS AND GLASS PRODUCTS	1,200			1,200	
3241 BUILDING CEMENT	167,124	18,142		148,935	47
3251 STRUCTURAL CLAY PRODUCTS	978	566		412	
3271 LIME	155			155	
3291 MISC NONMETALLIC MINERAL PROD	35,684			35,616	68
3314 IRON AND STEEL PRIMARY FORMS	24			24	
3315 IRON, STEEL SHAPES, EXC SHEET	19,967	5,242		14,725	
3316 IRON AND STEEL PLATES, SHEETS	1,355			1,355	
3317 IRON AND STEEL PIPE AND TUBE	60,519	24,736	110	35,369	304
3319 IRON AND STEEL PRODUCTS, NEC	328			328	
3321 NONFERROUS METALS, NEC	681			681	20
3322 COPPER ALLOYS, UNWORKED	165			165	
3324 ALUMINIUM AND ALLOYS, UNWORKED	172			172	
3511 FABRICATED METAL PRODUCTS	42,815	2,378	10	40,164	263
3511 MACHINERY, EXCEPT ELECTRICAL	27,547	9	385	23,358	3,795
3611 ELECTRICAL MACH AND EQUIP	2,349			2,347	2
3711 MOTOR VEHICLES, PARTS, EQUIP	43,833	1,250		39,455	3,128
3721 AIRCRAFT AND PARTS	40			40	
3731 SHIPS AND BOATS	1,508			1,493	15
3791 MISC TRANSPORTATION EQUIPMENT	6,380			6,284	96
3811 INSTR, TIME, PHOTO, OPT GOODS	75			75	
3911 MISC MANUFACTURED PRODUCTS	25,338			2,199	23,139
4011 IRON AND STEEL SCRAP	2,190			18	2,172
4012 NONFERROUS METAL SCRAP	18				18
4112 COMMODITIES, NEC	639,737	612		612,998	26,127
4119 EMPTY CONTAINERS	7,210			1,249	5,961

ILLIUM HARBOR, 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
1973	143,586	1978	378,900
1974	157,477	1979	580,057
1975	300,453	1980	483,946
1976	349,760	1981	677,382
1977	342,324	1982	745,799

Waterborne Commerce of the United States, 1982

ILULIUK HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE		
				RECEIPTS	SHIPMENTS	
TOTAL-----	745,799	1,819	6,658	340,634	224,375	172,313
0161 ANIMALS AND PRODUCTS, NEC-----	49	-----	-----	-----	49	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	5,148	-----	4,330	680	138	-----
0912 SHELLFISH, EXCEPT PREPARED-----	2,100	-----	2,100	-----	-----	-----
1491 SALT-----	5,079	618	-----	4,461	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	157	-----	-----	157	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	6,258	-----	222	-----	6,036	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	244	-----	-----	244	-----	-----
2042 ANIMAL FEEDS-----	33	33	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	348	-----	-----	348	-----	-----
2094 GROCERIES-----	577	-----	-----	577	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	327	200	-----	127	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	350	-----	-----	350	-----	-----
2421 LUMBER-----	387	-----	-----	386	1	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	31	-----	-----	31	-----	-----
2491 WOOD MANUFACTURES, NEC-----	177	136	-----	39	2	-----
2511 FURNITURE AND FIXTURES-----	4	-----	-----	-----	4	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	1,081	150	-----	924	7	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	130	50	-----	75	5	-----
2821 PLASTIC MATERIALS-----	19	19	-----	-----	-----	-----
2851 PAINTS-----	3	-----	-----	3	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	8	8	-----	-----	-----	-----
2911 GASOLINE-----	97,857	-----	-----	42,772	36,867	18,218
2912 JET FUEL-----	180,522	-----	-----	85,684	64,949	29,889
2914 DISTILLATE FUEL OIL-----	433,076	-----	-----	195,332	113,540	124,206
2915 RESIDUAL FUEL OIL-----	347	-----	-----	-----	347	-----
2921 LIQUEFIED GASES-----	19	-----	-----	19	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	221	-----	-----	221	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	50	35	-----	15	-----	-----
3241 BUILDING CEMENT-----	483	-----	-----	483	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	1,520	-----	-----	1,520	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	416	-----	-----	416	-----	-----
3411 FABRICATED METAL PRODUCTS-----	1,377	4	-----	1,243	130	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	702	18	-----	664	20	-----
3611 ELECTRICAL MACH AND EQUIP-----	10	4	6	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	53	-----	-----	48	5	-----
3731 SHIPS AND BOATS-----	15	-----	-----	15	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	82	-----	-----	60	2	-----
4011 IRON AND STEEL SCRAP-----	19	-----	-----	19	-----	-----
4112 COMMODITIES, NEC-----	6,427	544	-----	3,721	2,162	-----
4119 EMPTY CONTAINERS-----	111	-----	-----	-----	111	-----

ALASKA DISTRICT

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OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS MILES	PASSENGERS
BETHEL HARBOR, ALASKA-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	29,500		
	1491 SALT-----	101		
	2031 FISH AND SHELLFISH, PREPARED-----	457		
	2081 ALCOHOLIC BEVERAGES-----	14		
	2094 GROCERIES-----	94		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	362		
	2411 LOGS-----	143		
	2414 LUMBER, POSTS, POLES, PILING-----	168		
	2421 LUMBER-----	1,282		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	383		
	2491 WOOD MANUFACTURES, NEC-----	146		
	2511 FURNITURE AND FIXTURES-----	140		
	2631 PAPER AND PAPERBOARD-----	10		
	2691 PULP AND PAPER PRODUCTS, NEC-----	114		
	2819 BASIC CHEMICALS AND PROD, NEC-----	10		
	2911 GASOLINE-----	8,085		
	2912 JET FUEL-----	22,771		
	2914 DISTILLATE FUEL OIL-----	12,439		
	2951 ASPHALT BUILDING MATERIALS-----	15		
	2991 PETROLEUM AND COAL PROD, NEC-----	2,100		
	3241 BUILDING CEMENT-----	40		
	3291 MISC NONMETALLIC MINERAL PROD-----	464		
	3317 IRON AND STEEL PIPE AND TUBE-----	64		
	3319 IRON AND STEEL PRODUCTS, NEC-----	30		
	3322 COPPER ALLOYS, UNWORKED-----	7		
	3411 FABRICATED METAL PRODUCTS-----	422		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	453		
	3611 ELECTRICAL MACH AND EQUIP-----	34		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	424		
	3731 SHIPS AND BOATS-----	165		
	3791 MISC TRANSPORTATION EQUIPMENT-----	3		
	4112 COMMODITIES, NEC-----	6,759		
	4119 EMPTY CONTAINERS-----	94		
	TOTAL-----	96,105		
CORDOVA HARBOR, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	13		
	1491 SALT-----	207		
	2031 FISH AND SHELLFISH, PREPARED-----	769		
	2081 ALCOHOLIC BEVERAGES-----	487		
	2094 GROCERIES-----	14		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	24		
	2421 LUMBER-----	25		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	13		
	2491 WOOD MANUFACTURES, NEC-----	3		
	2511 FURNITURE AND FIXTURES-----	11		
	2631 PAPER AND PAPERBOARD-----	1		
	2691 PULP AND PAPER PRODUCTS, NEC-----	15		
	2841 SOAP-----	14		
	2911 GASOLINE-----	4,774		
	2912 JET FUEL-----	2,497		
	2914 DISTILLATE FUEL OIL-----	16,477		
	3011 RUBBER AND MISC PLASTIC PROD-----	54		
	3241 BUILDING CEMENT-----	314		
	3291 MISC NONMETALLIC MINERAL PROD-----	3		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	61		
	3317 IRON AND STEEL PIPE AND TUBE-----	52		
	3411 FABRICATED METAL PRODUCTS-----	193		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	181		
	3611 ELECTRICAL MACH AND EQUIP-----	62		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	43		
	3731 SHIPS AND BOATS-----	152		
	3791 MISC TRANSPORTATION EQUIPMENT-----	67		
	3911 MISC MANUFACTURED PRODUCTS-----	1,403		
	4112 COMMODITIES, NEC-----			
	TOTAL-----	24,368		10,730
CRAIG HARBOR, ALASKA-----	2911 GASOLINE-----	1,766		
	2912 JET FUEL-----	1,204		
	2914 DISTILLATE FUEL OIL-----	6,974		
	3011 RUBBER AND MISC PLASTIC PROD-----	2		
	3291 MISC NONMETALLIC MINERAL PROD-----	7		
	3317 IRON AND STEEL PIPE AND TUBE-----	22		
	3411 FABRICATED METAL PRODUCTS-----	137		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	61		
	3791 MISC TRANSPORTATION EQUIPMENT-----	5		
	4112 COMMODITIES, NEC-----	1,102		
	TOTAL-----	11,284		
DILLINGHAM HARBOR, ALASKA-----	0141 FRESH AND FROZEN VEGETABLES-----	20		
	1491 SALT-----	674		
	2011 MEAT, FRESH, CHILLED, FROZEN-----	20		
	2031 FISH AND SHELLFISH, PREPARED-----	1,694		
	2039 PREP FRUIT AND VEG JUICE, NEC-----	35		
	2081 ALCOHOLIC BEVERAGES-----	274		
	2094 GROCERIES-----	74		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	30		
	2414 LUMBER, POSTS, POLES, PILING-----	64		
	2421 LUMBER-----	1,544		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	244		
	2491 WOOD MANUFACTURES, NEC-----	164		
	2511 FURNITURE AND FIXTURES-----	247		
	2691 PULP AND PAPER PRODUCTS, NEC-----	727		
	2821 PLASTIC MATERIALS-----	2		
	2911 GASOLINE-----	7,474		
	2912 JET FUEL-----	5,283		
	2914 DISTILLATE FUEL OIL-----	13,752		

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
WILLINGHAM HARBOR, ALASKA (CONTINUED)				
	2915 RESIDUAL FUEL OIL	307		
	2951 ASPHALT BUILDING MATERIALS	4		
	3011 RUBBER AND MISC PLASTIC PROD	67		
	3201 BUILDING CEMENT	421		
	3201 CUT STONE AND STONE PRODUCTS	14		
	3291 MISC NONMETALLIC MINERAL PROD	4,364		
	3315 IRON, STEEL SHAPES, EXC SHEET	67		
	3319 IRON AND STEEL PRODUCTS, NEC	85		
	3411 FABRICATED METAL PRODUCTS	901		
	3511 MACHINERY, EXCEPT ELECTRICAL	965		
	3611 ELECTRICAL MACH AND EQUIP	10		
	3711 MOTOR VEHICLES, PARTS, EQUIP	526		
	3731 SHIPS AND BOATS	475		
	3791 MISC TRANSPORTATION EQUIPMENT	202		
	4112 COMMODITIES, NEC	3,879		
	4119 EMPTY CONTAINERS	279		
	TOTAL	42,834		
DOUGLAS HARBOR, ALASKA				
NO COMMERCE REPORTED				
DRY PASS, ALASKA				
NO COMMERCE REPORTED				
EGEGIK RIVER, ALASKA				
	1401 SALT	37		
	2031 FISH AND SHELLFISH, PREPARED	833		
	2041 ALCOHOLIC BEVERAGES	56		
	2094 GROCERIES	68		
	2414 TIMBER, POSTS, POLES, PILING	62		
	2421 LUMBER	97		
	2431 VENEER, PLYWOOD, WORKED WOOD	41		
	2491 WOOD MANUFACTURES, NEC	8		
	2691 PULP AND PAPER PRODUCTS, NEC	17		
	2914 DISTILLATE FUEL OIL	15		
	3011 RUBBER AND MISC PLASTIC PROD	67		
	3201 BUILDING CEMENT	46		
	3291 MISC NONMETALLIC MINERAL PROD	20		
	3411 FABRICATED METAL PRODUCTS	263		
	3511 MACHINERY, EXCEPT ELECTRICAL	124		
	3711 MOTOR VEHICLES, PARTS, EQUIP	34		
	3731 SHIPS AND BOATS	23		
	3791 MISC TRANSPORTATION EQUIPMENT	262		
	4112 COMMODITIES, NEC	220		
	TOTAL	2,343		
ELFIN COVE HARBOR, ALASKA				
	2911 GASOLINE	42		
	2912 JET FUEL	154		
	2914 DISTILLATE FUEL OIL	271		
	TOTAL	467		
HOMER, ALASKA				
	0911 FRESH FISH, EXCEPT SHELLFISH	10,864		
	0912 SHELLFISH, EXCEPT PREPARED	526		
	1401 SALT	93		
	2031 FISH AND SHELLFISH, PREPARED	1,115		
	2049 GRAIN MILL PRODUCTS, NEC	71		
	2061 SUGAR	23		
	2099 MISCELLANEOUS FOOD PRODUCTS	55		
	2211 BASIC TEXTILE PRODUCTS	13		
	2411 LOGS	1,317		
	2414 TIMBER, POSTS, POLES, PILING	2		
	2421 LUMBER	467		
	2431 VENEER, PLYWOOD, WORKED WOOD	790		
	2491 WOOD MANUFACTURES, NEC	126		
	2511 FURNITURE AND FIXTURES	11		
	2691 PULP AND PAPER PRODUCTS, NEC	1		
	2821 PLASTIC MATERIALS	3		
	2871 NITROGENOUS CHEM FERTILIZERS	21,936		
	2911 GASOLINE	2,975		
	2912 JET FUEL	1,593		
	2914 DISTILLATE FUEL OIL	5,934		
	2921 LIQUEFIED GASES	20		
	3011 RUBBER AND MISC PLASTIC PROD	2		
	3291 MISC NONMETALLIC MINERAL PROD	323		
	3315 IRON, STEEL SHAPES, EXC SHEET	40		
	3317 IRON AND STEEL PIPE AND TUBE	31		
	3319 IRON AND STEEL PRODUCTS, NEC	44		
	3411 FABRICATED METAL PRODUCTS	332		
	3511 MACHINERY, EXCEPT ELECTRICAL	2,764		
	3711 MOTOR VEHICLES, PARTS, EQUIP	36		
	3731 SHIPS AND BOATS	22		
	3791 MISC TRANSPORTATION EQUIPMENT	74		
	4112 COMMODITIES, NEC	467		
	TOTAL	52,964		14,153
MOONAH HARBOR, ALASKA				
	1401 SALT	10		
	2011 MEAT, FRESH, CHILLED, FROZEN	1		
	2031 FISH AND SHELLFISH, PREPARED	15		
	2039 PREP FRUIT AND VEG JUICE, NEC	6		
	2691 PULP AND PAPER PRODUCTS, NEC	12		
	2801 MISCELLANEOUS CHEMICAL PROD	264		
	2911 GASOLINE	354		
	2912 JET FUEL	232		
	2914 DISTILLATE FUEL OIL	3,244		
	3411 FABRICATED METAL PRODUCTS	6		
	3511 MACHINERY, EXCEPT ELECTRICAL	200		
	3791 MISC TRANSPORTATION EQUIPMENT	45		

ALASKA DISTRICT

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OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS	PASSENGERS
PROJECT--CONTINUED				
MODILAH HARBOR, ALASKA (CONTINUED)	4112 COMMODITIES, NEC	957		
	TOTAL	5,354		9,554
JUNEAU HARBOR, ALASKA	0122 MEAT AND FROZEN	182		
	0141 FRESH AND FROZEN VEGETABLES	113		
	0191 MISCELLANEOUS FARM PRODUCTS	157		
	0411 FRESH FISH, EXCEPT SHELLFISH	655		
	0412 SHELLFISH, EXCEPT PREPARED	244		
	1491 NONFERROUS ORES, CONCENT, NEC	82		
	1442 SAND, GRAVEL, CRUSHED ROCK	12,497		
	1491 SALT	1,235		
	1494 GYPSUM, LIMESTONE AND PLASTER	114		
	2031 FISH AND SHELLFISH, PREPARED	5,169		
	2042 ANIMAL FEEDS	36		
	2049 GRAIN MILL PRODUCTS, NEC	290		
	2091 ALCOHOLIC BEVERAGES	5,803		
	2094 GRAPEFRUIT	13,211		
	2099 MISCELLANEOUS FOOD PRODUCTS	10,356		
	2411 LOGS	18,217		
	2414 TIMBER, POSTS, POLES, MILLING	228		
	2421 LUMBER	22,174		
	2431 VENEER, PLYWOOD, WORKED WOOD	4,041		
	2491 WOOD MANUFACTURES, NEC	1,513		
	2511 FURNITURE AND FIXTURES	780		
	2621 STANDARD WEIGHT PAPER	1,171		
	2631 PAPER AND PAPERBOARD	152		
	2691 PULP AND PAPER PRODUCTS, NEC	29		
	2819 BASIC CHEMICALS AND PROD, NEC	1,113		
	2851 PAINTS	432		
	2879 FERTILIZER AND MATERIALS, NEC	134		
	2891 MISCELLANEOUS CHEMICAL PROD	77		
	2911 GASOLINE	26,266		
	2912 JET FUEL	4,677		
	2914 DISTILLATE FUEL OIL	47,543		
	2918 ASPHALT, TAR, AND BITUMENS	5,470		
	2921 LIQUEFIED GASES	284		
	2951 ASPHALT BUILDING MATERIALS	1,323		
	2991 PETROLEUM AND COAL PROD, JET	1,003		
	3011 RUBBER AND MISC PLASTIC PROD	242		
	3211 GLASS AND GLASS PRODUCTS	35		
	3241 BUILDING CEMENT	7,319		
	3251 STRUCTURAL CLAY PRODUCTS	678		
	3271 LIME	81		
	3281 CUT STONE AND STONE PRODUCTS	534		
	3291 MISC NONMETALLIC MINERAL PROD	2,401		
	3317 IRON AND STEEL PIPE AND TUBE	44		
	3319 IRON AND STEEL PRODUCTS, NEC	13		
	3321 NONFERROUS METALS, NEC	155		
	3411 FABRICATED METAL PRODUCTS	5,901		
	3511 MACHINERY, EXCEPT ELECTRICAL	5,101		
	3611 ELECTRICAL MACH AND EQUIP	491		
	3711 MOTOR VEHICLES, PARTS, EQUIP	1,654		
	3731 SHIPS AND BOATS	283		
	3791 MISC TRANSPORTATION EQUIPMENT	1,496		
	4011 IRON AND STEEL SCRAP	37		
	4112 COMMODITIES, NEC	18,222		
	4119 EMPTY CONTAINERS	1,228		
	TOTAL	246,347		42,052
NAKE HARBOR, ALASKA	2031 FISH AND SHELLFISH, PREPARED	324		
	2421 LUMBER	1,057		
	2431 VENEER, PLYWOOD, WORKED WOOD	3		
	2891 MISCELLANEOUS CHEMICAL PROD	26		
	2911 GASOLINE	24		
	2912 JET FUEL	12		
	2914 DISTILLATE FUEL OIL	1,135		
	3411 FABRICATED METAL PRODUCTS	521		
	3511 MACHINERY, EXCEPT ELECTRICAL	442		
	3611 ELECTRICAL MACH AND EQUIP	41		
	3711 MOTOR VEHICLES, PARTS, EQUIP	43		
	4112 COMMODITIES, NEC	252		
	TOTAL	5,764		7,378
KING COVE, ALASKA	0411 FRESH FISH, EXCEPT SHELLFISH	1		
	1491 SALT	1,274		
	2011 MEAT, FRESH, CHILLED, FROZEN	87		
	2031 FISH AND SHELLFISH, PREPARED	6,156		
	2039 PREP FRUIT AND VEG JUICE, NEC	13		
	2491 WOOD MANUFACTURES, NEC	46		
	2691 PULP AND PAPER PRODUCTS, NEC	800		
	2911 GASOLINE	277		
	2912 JET FUEL	67		
	2914 DISTILLATE FUEL OIL	5,712		
	3411 FABRICATED METAL PRODUCTS	444		
	4112 COMMODITIES, NEC	1,420		
	4119 EMPTY CONTAINERS	481		
	TOTAL	17,372		322
KODIAK HARBOR, ALASKA	0105 MICE	4		
	0131 FRESH FRUITS	337		
	0141 FRESH AND FROZEN VEGETABLES	241		
	0411 FRESH FISH, EXCEPT SHELLFISH	21,185		
	0412 SHELLFISH, EXCEPT PREPARED	3,327		
	1121 COAL AND LIGNITE	1,572		

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WATERBORNE COMMERCE OF THE UNITED STATES CALENDAR YEAR
1982 PART 4 WATERW. (U) CORPS OF ENGINEERS FORT BELVOIR
VA WATER RESOURCES SUPPORT CE. JUL 84 WRSC-WCUS-82-4

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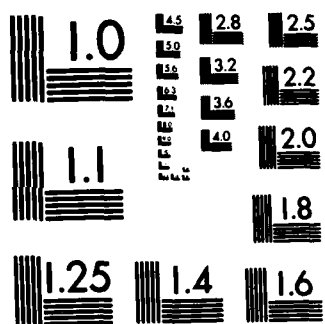
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OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS MILES	PASSENGERS
PROJECT--CONTINUED				
KODIAK HARBOR, ALASKA (CONTINUED)	1401 SALT-----	3,743		
	2011 MEAT, FRESH, CHILLED, FROZEN-----	57		
	2021 DAIRY PRODUCTS, NEC-----	19		
	2031 FISH AND SHELLFISH, PREPARED-----	43,062		
	2039 PREP FRUIT AND VEG JUICE, NEC-----	75		
	2081 ALCOHOLIC BEVERAGES-----	1,036		
	2092 ANIMAL OILS AND FATS, NEC-----	413		
	2094 GROCERIES-----	20		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	1,377		
	2421 LUMBER-----	766		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	286		
	2491 WOOD MANUFACTURES, NEC-----	460		
	2511 FURNITURE AND FIXTURES-----	24		
	2691 PULP AND PAPER PRODUCTS, NEC-----	3,472		
	2817 BENZENE AND TOLUENE-----	327		
	2819 BASIC CHEMICALS AND PROD, NEC-----	57		
	2911 GASOLINE-----	5,566		
	2912 JET FUEL-----	13,081		
	2914 DISTILLATE FUEL OIL-----	24,882		
	2915 KEROSENE FUEL OIL-----	17,265		
	2916 LUBRICATING OILS AND GREASES-----	88		
	2991 PETROLEUM AND COAL PROD, NEC-----	375		
	3011 RUBBER AND MISC PLASTIC PROD-----	13		
	3111 LEATHER AND LEATHER PRODUCTS-----	21		
	3291 MISC NONMETALLIC MINERAL PROD-----	402		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	145		
	3317 IRON AND STEEL PIPE AND TUBE-----	37		
	3324 ALUMINUM AND ALLOY, UNWORKED-----	10		
	3411 FABRICATED METAL PRODUCTS-----	3,205		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	712		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,221		
	3911 MISC MANUFACTURED PRODUCTS-----	4,895		
	4112 COMMODITIES, NEC-----	73,586		
	4119 EMPTY CONTAINERS-----	1,119		
	TOTAL-----	236,427		13,923
WETLAKATLA HARBOR, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	463		
	2031 FISH AND SHELLFISH, PREPARED-----	1,999		
	2094 GROCERIES-----	1		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	988		
	2211 BASIC TEXTILE PRODUCTS-----	1		
	2411 LOGS-----	23,466		
	2412 RAFTED LOGS-----	45,938		
	2416 WOOD CHIPS, STAVES, MOLDINGS-----	41,045		
	2421 LUMBER-----	594		
	2511 FURNITURE AND FIXTURES-----	3		
	2631 PAPER AND PAPERBOARD-----	3		
	2691 PULP AND PAPER PRODUCTS, NEC-----	5		
	2819 BASIC CHEMICALS AND PROD, NEC-----	48		
	2891 MISCELLANEOUS CHEMICAL PROD-----	16		
	2911 GASOLINE-----	708		
	2914 DISTILLATE FUEL OIL-----	1,912		
	2991 PETROLEUM AND COAL PROD, NEC-----	10		
	3241 BUILDING CEMENT-----	663		
	3411 FABRICATED METAL PRODUCTS-----	730		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	358		
	3611 ELECTRICAL MACH AND EQUIP-----	11		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	72		
	3911 MISC MANUFACTURED PRODUCTS-----	37		
	4112 COMMODITIES, NEC-----	104		
	4119 EMPTY CONTAINERS-----	15		
	TOTAL-----	119,585		15,049
YANIK-EX RIVER, ALASKA-----	0141 FRESH AND FROZEN VEGETABLES-----	75		
	1401 SALT-----	1,232		
	2011 MEAT, FRESH, CHILLED, FROZEN-----	104		
	2031 FISH AND SHELLFISH, PREPARED-----	4,195		
	2039 PREP FRUIT AND VEG JUICE, NEC-----	121		
	2081 ALCOHOLIC BEVERAGES-----	308		
	2094 GROCERIES-----	285		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	51		
	2411 LOGS-----	20		
	2414 TIMBER, POSTS, POLES, PILING-----	236		
	2421 LUMBER-----	518		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	154		
	2491 WOOD MANUFACTURES, NEC-----	600		
	2511 FURNITURE AND FIXTURES-----	6		
	2691 PULP AND PAPER PRODUCTS, NEC-----	1,650		
	2821 PLASTIC MATERIALS-----	53		
	2911 GASOLINE-----	7,918		
	2912 JET FUEL-----	10,473		
	2914 DISTILLATE FUEL OIL-----	24,569		
	2921 LIQUEFIED GASES-----	24		
	2951 ASPHALT BUILDING MATERIALS-----	23		
	2991 PETROLEUM AND COAL PROD, NEC-----	224		
	3011 RUBBER AND MISC PLASTIC PROD-----	30		
	3241 BUILDING CEMENT-----	245		
	3291 MISC NONMETALLIC MINERAL PROD-----	5,311		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	296		
	3317 IRON AND STEEL PIPE AND TUBE-----	14		
	3319 IRON AND STEEL PRODUCTS, NEC-----	37		
	3411 FABRICATED METAL PRODUCTS-----	2,267		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	4,725		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	142		
	3731 SHIPS AND BOATS-----	214		
	3791 MISC TRANSPORTATION EQUIPMENT-----	139		

ALASKA DISTRICT

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OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS MILES	PASSENGERS
PROJECT--CONTINUED				
NAKNEK RIVER, ALASKA (CONTINUED)-----	4112 COMMODITIES, NEC-----	2,944	-----	-----
	4119 EMPTY CONTAINERS-----	167	-----	-----
	TOTAL-----	71,145	740,576	-----
NO COMMERCE REPORTED				
NITILCHIK HARBOR, ALASKA-----	1402 SAND, GRAVEL, CRUSHED ROCK-----	1,205	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	124	-----	-----
	2094 GROCERIES-----	114	-----	-----
NOME HARBOR, ALASKA-----	2099 MISCELLANEOUS FOOD PRODUCTS-----	224	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	40	-----	-----
	2421 LUMBER-----	1,047	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	131	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	214	-----	-----
	2511 FURNITURE AND FIXTURES-----	172	-----	-----
	2631 PAPER AND PAPERBOARD-----	12	-----	-----
	2810 BASIC CHEMICALS AND PROD, NEC-----	30	-----	-----
	2911 GASOLINE-----	4,376	-----	-----
	2912 JET FUEL-----	4,105	-----	-----
	2914 DISTILLATE FUEL OIL-----	14,451	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	13	-----	-----
	3201 BUILDING CEMENT-----	149	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	425	-----	-----
	3317 IRON AND STEEL PIPE AND TUB-----	23	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	3	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	274	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	1,402	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	2	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	411	-----	-----
	3731 SHIPS AND BOATS-----	44	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	69	-----	-----
	4112 COMMODITIES, NEC-----	4,469	-----	-----
	4119 EMPTY CONTAINERS-----	165	-----	-----
	TOTAL-----	44,404	-----	-----
OLD HARBOR, ALASKA-----	1401 SALT-----	5	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	4	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	403	-----	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	6	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	7	-----	-----
	2911 GASOLINE-----	142	-----	-----
	2912 JET FUEL-----	414	-----	-----
	2914 DISTILLATE FUEL OIL-----	172	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	4	-----	-----
	4112 COMMODITIES, NEC-----	52	-----	-----
	TOTAL-----	1,291	-----	-----
PELICAN HARBOR, ALASKA-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	64	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	2,507	-----	-----
	2421 LUMBER-----	43	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	31	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	3	-----	-----
	2911 GASOLINE-----	81	-----	-----
	2912 JET FUEL-----	351	-----	-----
	2914 DISTILLATE FUEL OIL-----	1,142	-----	-----
	3201 BUILDING CEMENT-----	43	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	84	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	30	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	4	-----	-----
	4112 COMMODITIES, NEC-----	1,387	-----	-----
	TOTAL-----	5,984	-----	569
PETERSBURG HARBOR, ALASKA-----	0141 FRESH AND FROZEN VEGETABLES-----	15	-----	-----
	0161 ANIMALS AND PRODUCTS, NEC-----	202	-----	-----
	0191 MISCELLANEOUS FARM PRODUCTS-----	54	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,350	-----	-----
	1401 SALT-----	774	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	13,574	-----	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	4	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	414	-----	-----
	2094 GROCERIES-----	1,465	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	1,153	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	144	-----	-----
	2412 HAPED LOGS-----	14,424	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	410	-----	-----
	2416 WOOD CHIPS, STAVES, HOLDINGS-----	7,420	-----	-----
	2421 LUMBER-----	14,274	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	202	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	140	-----	-----
	2511 FURNITURE AND FIXTURES-----	124	-----	-----
	2631 PAPER AND PAPERBOARD-----	19	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	484	-----	-----
	2810 BASIC CHEMICALS AND PROD, NEC-----	111	-----	-----
	2851 PAINTS-----	40	-----	-----
	2879 FERTILIZER AND MATERIALS, NEC-----	1	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	15	-----	-----
	2911 GASOLINE-----	2,567	-----	-----
	2912 JET FUEL-----	1,129	-----	-----
	2914 DISTILLATE FUEL OIL-----	14,242	-----	-----
	2921 LIQUIFIED GASES-----	274	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	43	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	273	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	21	-----	-----
	3201 BUILDING CEMENT-----	494	-----	-----

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
PETERSBURG HARBOR, ALASKA (CONTINUED)	3251 STRUCTURAL CLAY PRODUCTS	14		
	3291 MISC NONMETALLIC MINERAL PROD	418		
	3411 FABRICATED METAL PRODUCTS	1,404		
	3511 MACHINERY, EXCEPT ELECTRICAL	645		
	3611 ELECTRICAL MACH AND EQUIP	76		
	3711 MOTOR VEHICLES, PARTS, EQUIP	143		
	3731 SHIPS AND BOATS	12		
	3791 MISC TRANSPORTATION EQUIPMENT	40		
	4011 IRON AND STEEL SHAPES	3		
	4112 COMMODITIES, NEC	2,342		
	4119 EMPTY CONTAINERS	55		
	TOTAL	86,689		30,771
PORT ALEXANDER, ALASKA	2011 GASOLINE	42		
	2012 JET FUEL	54		
	2014 DISTILLATE FUEL OIL	182		
	TOTAL	282		
SELDOVIA HARBOR, ALASKA	2414 TIMBER, POSTS, PULFS, PILING	74		
	2421 LUMBER	74		
	2011 GASOLINE	234		
	2012 JET FUEL	549		
	2014 DISTILLATE FUEL OIL	1,381		
	3317 IRON AND STEEL PIPE AND TUBE	4		
	3411 FABRICATED METAL PRODUCTS	4		
	3731 SHIPS AND BOATS	7		
	TOTAL	2,335		5,800
SEWARD HARBOR, ALASKA	0911 FRESH FISH, EXCEPT SHELLFISH	11,987		
	0912 SHELLFISH, EXCEPT PREPARED	1,164		
	1411 LIMESTONE	22		
	1499 NONMETALLIC MINERALS, NEC	77		
	2031 FISH AND SHELLFISH, PREPARED	369		
	2421 LUMBER	986		
	2491 WOOD MANUFACTURES, NEC	2,607		
	2511 FURNITURE AND FIXTURES	175		
	2879 FERTILIZER AND MATERIALS, NEC	330		
	2011 GASOLINE	1,110		
	2012 JET FUEL	372		
	2014 DISTILLATE FUEL OIL	14,423		
	2018 ASPHALT, TAR, AND BITUMENS	45		
	3291 MISC NONMETALLIC MINERAL PROD	2,150		
	3315 IRON, STEEL SHAPES, EXC SHEET	3,684		
	3317 IRON AND STEEL PIPE AND TUBE	91,707		
	3411 FABRICATED METAL PRODUCTS	5,506		
	3511 MACHINERY, EXCEPT ELECTRICAL	160		
	3711 MOTOR VEHICLES, PARTS, EQUIP	91		
	3731 SHIPS AND BOATS	21		
	4112 COMMODITIES, NEC	22		
	TOTAL	137,114		9,072
STIKINE RIVER, ALASKA	1442 SAND, GRAVEL, CRUSHED ROCK	7,400		
	3911 MISC MANUFACTURED PRODUCTS	40		
	4112 COMMODITIES, NEC	250		
	TOTAL	4,090		
NONPROJECT				
OTHER SOUTHEASTERN ALASKA PORTS (NET)	0122 HAY AND FODDER	2		
	0911 FRESH FISH, EXCEPT SHELLFISH	2,380		
	1442 SAND, GRAVEL, CRUSHED ROCK	4,339		
	1491 SALT	108		
	2011 MEAT, FRESH, CHILLED, FROZEN	14		
	2031 FISH AND SHELLFISH, PREPARED	5,648		
	2039 PREP FRUIT AND VEG JUICE, NEC	25		
	2041 ALCOHOLIC BEVERAGES	3,037		
	2099 MISCELLANEOUS FOOD PRODUCTS	89		
	2411 LOGS	272,844		
	2412 RAFTED LOGS	478,071		
	2414 TIMBER, POSTS, POLES, PILING	217		
	2416 WOOD CHIPS, STAVES, HOLDINGS	44,796		
	2421 LUMBER	78,664		
	2431 VENEER, PLYWOOD, WORKED WOOD	124		
	2491 WOOD MANUFACTURES, NEC	1,789		
	2511 FURNITURE AND FIXTURES	434		
	2611 PULP	4,247		
	2691 PULP AND PAPER PRODUCTS, NEC	74		
	2819 PLASTIC CHEMICALS AND PROD, NEC	251		
	2821 PLASTIC MATERIALS	1		
	2851 PAINTS	4		
	2891 MISCELLANEOUS CHEMICAL PROD	4,005		
	2011 GASOLINE	27,679		
	2012 JET FUEL	3,714		
	2014 DISTILLATE FUEL OIL	24,789		
	2016 LUBRICATING OILS AND GREASES	54		
	2018 ASPHALT, TAR, AND BITUMENS	4		
	2021 LIQUEFIED GASES	74		
	2091 PETROLEUM AND COAL PROD, NEC	124		
	3011 RUBBER AND MISC PLASTIC PROD	30		
	3261 MIXING CHEMICALS	4,302		
	3271 LIME	34		
	3291 MISC NONMETALLIC MINERAL PROD	1,014		

ALASKA DISTRICT

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OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS MILES	PASSENGERS
NONPROJECT--CONTINUED				
OTHER SOUTHEASTERN ALASKA PORTS (NET) (CONTINUED)-----				
	3315 IRON, STEEL SHAPES, EXC SHEET-----	176		
	3316 IRON AND STEEL PLATES, SHEETS-----	32		
	3317 IRON AND STEEL PIPE AND TUBES-----	146		
	3319 IRON AND STEEL PRODUCTS, NEC-----	41		
	3321 NONFERROUS METALS, NEC-----	5		
	3322 COPPER ALLOYS, UNKNOWN-----	7		
	3411 FABRICATED METAL PRODUCTS-----	1,869		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	10,459		
	3611 ELECTRICAL MACH AND EQUIP-----	340		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,492		
	3731 SHIPS AND BOATS-----	76		
	3791 MISC TRANSPORTATION EQUIPMENT-----	427		
	3911 MISC MANUFACTURED PRODUCTS-----	54		
	4112 COMMODITIES, NEC-----	11,873		
	4119 EMPTY CONTAINERS-----	150		
	TOTAL-----	1,400,254		670,782
SOUTHERLY SIDE OF ALASKA PENINSULA (NET)-----				
	0911 FRESH FISH, EXCEPT SHELLFISH-----	24,007		
	0912 SHELLFISH, EXCEPT PREPARED-----	2,495		
	1311 CRUDE PETROLEUM-----	4,273,863		
	1451 CLAY-----	92		
	1491 BALT-----	2,260		
	2011 MEAT, FRESH, CHILLED, FROZEN-----	274		
	2031 FISH AND SHELLFISH, PREPARED-----	15,400		
	2039 PREP FRUIT AND VEG JUICE, NEC-----	424		
	2094 GROCERIES-----	102		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	14		
	2411 LOGS-----	74,442		
	2412 RAFTED LOGS-----	13,433		
	2416 WOOD CHIPS, STAVES, MOLDINGS-----	77,234		
	2421 LUMBER-----	251		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	4		
	2491 WOOD MANUFACTURES, NEC-----	331		
	2691 PULP AND PAPER PRODUCTS, NEC-----	2,134		
	2819 BASIC CHEMICALS AND PROD, NEC-----	134,184		
	2871 NITROGENOUS CHEM FERTILIZERS-----	415,172		
	2891 MISCELLANEOUS CHEMICAL PROD-----	480		
	2911 GASOLINE-----	57,294		
	2912 JET FUEL-----	14,082		
	2914 DISTILLATE FUEL OIL-----	234,711		
	2915 RESIDUAL FUEL OIL-----	1,246,207		
	2921 LIQUEFIED GASES-----	1,112,763		
	3241 BUILDING CEMENT-----	5,574		
	3291 MISC NONMETALLIC MINERAL PROD-----	207		
	3317 IRON AND STEEL PIPE AND TUBES-----	1,584		
	3411 FABRICATED METAL PRODUCTS-----	1,071		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	5,243		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	45		
	3911 MISC MANUFACTURED PRODUCTS-----	742		
	4029 WASTE AND SCRAP, NEC-----	442		
	4111 WATER-----	51,150		
	4112 COMMODITIES, NEC-----	14,493		
	4119 EMPTY CONTAINERS-----	450		
	TOTAL-----	4,194,901		1,604
WHITTIER HARBOR, ALASKA-----				
	0102 BARLEY AND RYE-----	175		
	0103 CORN-----	194		
	0104 OATS-----	52		
	0141 FRESH AND FROZEN VEGETABLES-----	144		
	0861 FRESH PRODUCTS, NEC-----	52		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	4,540		
	0912 SHELLFISH, EXCEPT PREPARED-----	674		
	1011 IRON ORE AND CONCENTRATES-----	31		
	1411 LIMESTONE-----	427		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	394		
	1451 CLAY-----	324		
	1494 GYPSUM, CRUDE AND PLASTER-----	4,047		
	1499 NONMETALLIC MINERALS, NEC-----	424		
	2021 DAIRY PRODUCTS, NEC-----	344		
	2031 FISH AND SHELLFISH, PREPARED-----	1,721		
	2034 VEGETABLES AND PREP, NEC-----	21		
	2039 PREP FRUIT AND VEG JUICE, NEC-----	334		
	2041 WHEAT FLOUR AND SEMOLINA-----	3,910		
	2042 ANIMAL FEEDS-----	1,432		
	2049 GRAIN MILL PRODUCTS, NEC-----	5,444		
	2091 ALCOHOLIC BEVERAGES-----	23,444		
	2094 GROCERIES-----	722		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	924		
	2111 TOBACCO MANUFACTURES-----	44		
	2411 LOGS-----	42		
	2414 TIMBER, POSTS, POLES, PILING-----	2,730		
	2421 LUMBER-----	44,732		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	14,451		
	2491 WOOD MANUFACTURES, NEC-----	1,717		
	2511 FURNITURE AND FIXTURES-----	1,474		
	2621 STANDARD NEWSPRINT PAPER-----	2,054		
	2631 PAPER AND PAPERBOARD-----	164		
	2691 PULP AND PAPER PRODUCTS, NEC-----	1,354		
	2711 PRINTED MATTER-----	1		
	2813 ALCOHOLS-----	1,144		
	2818 SULPHURIC ACID-----	74		
	2819 BASIC CHEMICALS AND PROD, NEC-----	4,304		
	2821 PLASTIC MATERIALS-----	12		
	2851 PAINTS-----	167		
	2871 NITROGENOUS CHEM FERTILIZERS-----	7,001		
	2873 PHOSPHATIC CHEM FERTILIZERS-----	445		

Waterborne Commerce of the United States, 1982

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
NONPROJECT--CONTINUED				
SMITHS HARBOR, ALASKA (CONTINUED)-----	2891 MISCELLANEOUS CHEMICAL PROD-----	31,176	-----	-----
	2911 GASOLINE-----	1,369	-----	-----
	2912 JET FUEL-----	14,394	-----	-----
	2914 DISTILLATE FUEL OIL-----	30	-----	-----
	2918 ASPHALT, TAR, AND PITCHES-----	2,495	-----	-----
	2921 LIQUEFIED GASES-----	1,233	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	424	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	1,809	-----	-----
	3411 RUBBER AND MISC PLASTIC PROD-----	1,052	-----	-----
	3211 GLASS AND GLASS PRODUCTS-----	600	-----	-----
	3241 BUILDING CEMENT-----	8,999	-----	-----
	3251 STRUCTURAL CLAY PRODUCTS-----	2,047	-----	-----
	3271 LIME-----	191	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	37,220	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	1,014	-----	-----
	3316 IRON AND STEEL PLATES, SHEETS-----	730	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	36,328	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	140	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	23,019	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	23,840	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	1,143	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	10,924	-----	-----
	3721 AIRCRAFT AND PARTS-----	4	-----	-----
	3731 SHIPS AND BOATS-----	304	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	944	-----	-----
	4011 IRON AND STEEL SCRAP-----	3,473	-----	-----
	4012 NONFERROUS METAL SCRAP-----	75	-----	-----
	4112 COMMODITIES, NEC-----	30,476	-----	-----
	4119 EMPTY CONTAINERS-----	85	-----	-----
	TOTAL-----	185,065	-----	21,730

SECTION 2
TRIPS AND DRAFTS OF VESSELS

LOS ANGELES, 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 DIEGO HARBOR, CALIF.												
38 -		1				1						
37 -		5				5						
36 -		1				1						
35 -		2				2						
34 -		4				4						
33 -		6				6						
32 -		3				3						
31 -		3				3						
30 -		5				5						
29 -		2				2						
28 -		4				4						
27 -		1				1						
26 -		2				2						
25 -		12				12						
24 -		11				11						
23 -		16				16						
22 -		17				17						
21 -		17				17						
20 -		26				26						
19 -		17				17						
18 AND LESS -	593	1		69	0	1,369	597	13	684	70	11	1,375
TOTAL -	735	30	698	70	0	1,951	735	30	684	70	11	1,937
LONG BEACH HARBOR, CALIF.												
60 -		2				2						
59 -		2				2						
58 -												
57 -		9				9						
56 -		8				8						
55 -		11				11						
54 -		14				14						
53 -		3				3						
52 -		20				20						
51 -		7				7						
50 -		2				2						
49 -		7				7						
48 -		5				5						
47 -		5				5						
46 -		2				2						
45 -		2				2						
44 -		10				10						
43 -		11				11						
42 -		8				8						
41 -		12				12						
40 -		10				10						
39 -		34				34						
38 -		76				76						
37 -		35				35						
36 -		52				52						
35 -		65				65						
34 -		80				80						
33 -		82				82						
32 -		113				113						
31 -		104				104						
30 -		133				133						
29 -		109				109						
28 -		132				132						
27 -		122				122						
26 -		121				121						
25 -		142				142						
24 -		150				150						
23 -		76				76						
22 -		99				99						
21 -		58				58						
20 -		62				62						
19 -		70				70						
18 AND LESS -	1,371	24	3,066	441	2,356	7,258	1,363	75	3,067	444	2,399	7,350
TOTAL -	3,642	832	3,067	444	2,405	10,390	3,643	808	3,067	444	2,410	10,377
LOS ANGELES HARBOR, CALIF.												
50 -		7				7						
49 -		2				2						
48 -		1				1						
47 -		2				2						
46 -		1				1						
45 -		9				9						
44 -		20				20						
43 -		6				6						
42 -		5				5						
41 -		1				1						
40 -		9				9						
39 -		41				41						
38 -		24				24						
37 -		12				12						
36 -		38				38						
35 -		38				38						
34 -		69				69						
33 -		70				70						
32 -		76				76						
31 -		82				82						

• EXCLUDES DOMESTIC FISHING CRAFT.

LOS ANGELES, CA, DISTRICT

TRIPS AND DRAFTS OF VESSELS •

HARBOR OR WATERWAY	DRAFT (FEET)	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			
LOS ANGELES HARBOR, CALIF.--(CONTINUED)						INBOUND						OUTBOUND			
30 - - - - -	125	31					156	119	24						163
29 - - - - -	119	45					164	133	40						173
28 - - - - -	124	42					166	131	53						164
27 - - - - -	179	33					212	148	24						172
26 - - - - -	237	31					268	240	34						277
25 - - - - -	197	30					227	157	43				1		200
24 - - - - -	143	31					174	100	39						150
23 - - - - -	104	17					121	87	22						109
22 AND LESS - - - - -	1,511	123	1,750	479	3,243	7,106	1,505	175	1,750	479	3,242	7,151			
TOTAL - - - - -	3,196	740	1,751	479	3,244	9,430	3,198	761	1,751	479	3,243	9,428			
PORT HUENEME, CALIF.						INBOUND						OUTBOUND			
32 - - - - -									1						1
30 - - - - -	1						1	1							1
29 - - - - -	3						3	5							5
28 - - - - -	5						5	5							5
27 - - - - -	8						8	4							4
26 - - - - -	5	1					6	9							9
25 - - - - -	9						9	12							12
24 - - - - -	18						18	18							18
23 - - - - -	31						31	13							13
22 - - - - -	23						23	13							13
21 - - - - -	10						10	16							16
20 - - - - -	10						10	10							10
19 - - - - -	3						3	3							3
18 AND LESS - - - - -	1,437		134	3	2	1,576	1,432		132	4	2	1,570			
TOTAL - - - - -	1,563	1	134	3	2	1,703	1,541	1	132	4	2	1,680			
MISSION BAY, CALIF.						NO VESSEL TRIP REPORTED									
MORRO BAY HARBOR, CALIF.						NO VESSEL TRIP REPORTED									
NEWPORT BAY HARBOR, CALIF.						INBOUND						OUTBOUND			
TOTAL, 5 AND LESS - - - - -	180						180	178							178
REDONDO BEACH, CALIF.						INBOUND						OUTBOUND			
TOTAL, 8 AND LESS - - - - -			1			1			1						1
SANTA BARBARA HARBOR, CALIF.						INBOUND						OUTBOUND			
TOTAL, 16 AND LESS - - - - -	1		1			2	1		1						2
ELLWOOD, CALIF.						INBOUND						OUTBOUND			
TOTAL, 40 AND LESS - - - - -	6,826	9	16		6	6,859	6,827	9	14		6	6,858			
ENCINA, CALIF.						INBOUND						OUTBOUND			
TOTAL, 40 AND LESS - - - - -		22				22		20							20
VENTURA HARBOR, CALIF.						INBOUND						OUTBOUND			
TOTAL, 30 AND LESS - - - - -	4,802	3	25		78	4,908	4,802	3	21		78	4,904			
* EXCLUDES DOMESTIC FISHING CRAFT.															

SACRAMENTO, CA, 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			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	
SACRAMENTO RIVER, CALIF.					UPBOUND					DOWNBOUND		
30 - - - - -	3	5				8	39	1				40
29 - - - - -	4	1				5	10					10
28 - - - - -	4	1				5	10	2				12
27 - - - - -	10	1				11	7	2				9
26 - - - - -		2				2	0	2				11
25 - - - - -	6					10	8	3				11
24 - - - - -	11					11	4					4
23 - - - - -	7					7	6					6
22 - - - - -	2					2	3	2				5
21 - - - - -	12					12	2					2
20 - - - - -	10	1	1			12	4		3			7
19 - - - - -	10					10	3					3
18 - - - - -	7		1			8	3		1			4
17 - - - - -	10					10						
16 - - - - -	1					1	1					1
15 - - - - -	4					4						
14 - - - - -				1		1						
13 - - - - -			2			2						
12 - - - - -				35		35						
11 - - - - -			2	16		18			2	1		3
10 - - - - -				9		9						
9 - - - - -	19					20	17					37
8 - - - - -							6					6
6 AND LESS - - - - -	6			1		7				63		63
TOTAL - - - - -	126	11	6	66		209	132	12	6	64		213
SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CALIF.					UPBOUND					DOWNBOUND		
31 - - - - -	2	2				4	25	1				26
30 - - - - -	1	1				2	14					14
29 - - - - -	4	1				5	10					10
28 - - - - -	4	1				5	10	2				12
27 - - - - -	10	1				11	7	2				9
26 - - - - -		2				2	0	1				10
25 - - - - -	6					10	8	3				11
24 - - - - -	11					11	4					4
23 - - - - -	7					7	6					6
22 - - - - -	2					2	3	2				5
21 - - - - -	12					12	2					2
20 - - - - -	10	1	1			12	4		3			7
19 - - - - -	10					10	3					3
18 - - - - -	7		1			8	3		1			4
17 - - - - -	10					10						
16 - - - - -	1					1	1					1
15 - - - - -	4					4						
14 - - - - -				1		1						
13 - - - - -				14		14						
12 - - - - -				6		6				1		1
11 - - - - -				4		4						
10 - - - - -				1		1				27		27
9 - - - - -										28		28
6 AND LESS - - - - -												
TOTAL - - - - -	101	9	2	30		142	109	11	4	28		150
SACRAMENTO, CALIF.					INBOUND					OUTBOUND		
40 - - - - -							1					1
39 - - - - -							1					1
38 - - - - -							6					6
37 - - - - -							8					8
36 - - - - -							9	1				10
35 - - - - -	3	5				8	14					14
34 - - - - -	4	1				5	10					10
33 - - - - -	4	1				5	10	2				12
32 - - - - -	10	1				11	7	2				9
31 - - - - -		2				2	0	2				11
30 - - - - -	6					10	8	3				11
29 - - - - -	11					11	4					4
28 - - - - -	7					7	6					6
27 - - - - -	2					2	3	2				5
26 - - - - -	12					12	2					2
25 - - - - -	10	1	1			12	4		3			7
24 - - - - -	10					10	3					3
23 - - - - -	7		1			8	3		1			4
22 - - - - -	10					10						
21 - - - - -	1					1	1					1
20 - - - - -	4					4						
19 - - - - -				1		1						
18 - - - - -			2			2						
17 - - - - -			2			2						
16 - - - - -	19					19	17		2	1		3
15 - - - - -												
14 - - - - -												
13 - - - - -												
12 - - - - -												
11 - - - - -												
10 - - - - -												
9 - - - - -	19					19	17					3
6 AND LESS - - - - -						1				3		3
TOTAL - - - - -	120	11	6	6		143	126	12	6	4		149
SAN JOAQUIN RIVER, CALIF.					UPBOUND					DOWNBOUND		
31 - - - - -	19	1				20	29	3				32
30 - - - - -	3	5				8	4					4
29 - - - - -	3	1				4	7					7
28 - - - - -	3	4				7	8	8				12
27 - - - - -	5					5	2	2				4
26 - - - - -	8	2				10	6	2				8
25 - - - - -	3	3				6	5	1				6

* EXCLUDES DOMESTIC FISHING CRAFT.

* EXCLUDES DOMESTIC FISHING CRAFT.

SACRAMENTO, CA, DISTRICT

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	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
SAN JOAQUIN RIVER, CALIF.--(CONTINUED)												
24	6	5				11	5	2				7
23	6	1				7	6	8				14
22	5	2				7	6	3				9
21	7	1		1		8	14	2				16
20	6	1	3	1		10	2	1	3			6
19	16			1		17	5					5
18	9				1	10	2	2				4
17	2				2	4	2	1				3
16	2		1			3			1	1		2
15				1	2	3			2		1	3
14					2	2			2			2
13			2		3	5		1	2			3
12 AND LESS	130		57	458	11	656	130		50	469	21	670
TOTAL	232	26	63	465	23	809	233	30	62	471	22	818
STOCKTON, CALIF.												
29	11	7				18	32					32
28	1	4				5	7	8				15
27	2					2	1	2				3
26	6	2				8	3	1				4
25	3	2		3		8	3					3
24	4	2				6	4	1				5
23	2					2	5	4				9
22	3					3	3	2				5
21	7					7	6	1				7
20	8		1			9	1		1			2
19	12					12	3					3
18 AND LESS	11		18	14	4	47	3	1	18	16	4	42
TOTAL	70	17	19	17	4	127	71	16	19	16	4	126
MIDDLE RIVER, CALIF.												
TOTAL, 9 AND LESS			1			1			3			3
WOKELUMME RIVER, CALIF.												
OLD RIVER, CALIF.												
TOTAL, 9 AND LESS			6			6			9			9

* EXCLUDES DOMESTIC FISHING CRAFT.

SAN FRANCISCO, CA, 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	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	
SAN FRANCISCO BAY ENTRANCE, CALIF.													
51							UNBOUND						DOWNBOUND
50									2				2
49									1				1
48									2				2
47						1							
46						1							
45						1			1				1
44						1							
43						12			25				25
42						13			12				12
41						17			17				17
40						16			15				15
39						5			4				15
38						21			5				15
37						51			14				20
36						63			19				65
35						71			11				26
34						76			44				96
33						135			77				134
32						145			132				185
31						145			121				183
30						201			146				205
29						225			181				236
28						216			179				242
27						241			198				270
26						252			170				226
25						230			206				259
24						277			216				274
23						241			190				232
22						191			162				209
21						150			135				174
20						138			111				133
19						149			91				143
18						103			60				114
18 AND LESS		1,399	92	210	159	76	1,936	1,367	76	210	158	77	1,888
TOTAL		3,883	1,072	230	171	98	5,414	3,884	1,073	232	166	101	5,416
SAN FRANCISCO HARBOR, CALIF.													
40							INBOUND						OUTBOUND
39									1				2
38									1				3
37									1				3
36									5				10
35									7				9
34									7				16
33									9				10
32									16				36
31									19				32
30									40				48
29									37				35
28									26				55
27									44				27
26									36				60
25									47				51
24									90				9,147
23									44				
22 AND LESS		7,979	25	717	321	136	9,170	7,952	26	713	320	136	9,147
TOTAL		8,367	99	717	321	136	9,640	8,346	96	714	320	136	9,612
REDWOOD CITY HARBOR, CALIF.													
29							INBOUND						OUTBOUND
28									5				5
27									1				1
26									1				1
25									1				1
22 AND LESS		8		77	90	7	182	2		77	90	7	176
TOTAL		8	1	77	90	7	183	9	1	77	90	7	184
OAKLAND HARBOR, CALIF.													
35							INBOUND						OUTBOUND
34									90				91
33									75				78
32									78				70
31									78				97
30									143				145
29									119				116
28									116				106
27									106				110
26									97				114
25									117				113
24									111				89
23									124				83
22 AND LESS		236	4	1,313	283	286	2,122	207	4	1,327	283	290	2,111
TOTAL		1,408	10	1,313	283	286	3,390	1,474	10	1,328	283	290	3,395
RICHMOND HARBOR, CALIF.													
40							INBOUND						OUTBOUND
39									12				12
38									6				6
37									1				1
36									1				1

* EXCLUDES DOMESTIC FISHING CRAFT.

TANKERS WITH EXTREME DRAFTS WERE LIGHTERED FROM ANCHORAGES IN SAN FRANCISCO BAY DEEPWATER AREA.

* EXCLUDES DOMESTIC FISHING CRAFT.

TANKERS WITH EXTREME DRAFTS WERE LIGHTENED FROM ANCHORAGES IN SAN FRANCISCO BAY DEEPWATER AREA.

Waterborne Commerce of the United States, 1982
SAN FRANCISCO, CA, DISTRICT

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					TOTAL	DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			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.--(CONTINUED)				THROUGH						OUTBOUND		
40 -		2				2		1				1
39 -		4				4		3				3
38 -		14				14		14				14
37 -		52				52		45				45
36 -		17				17		4				4
35 -	1	20				21		13				13
34 -		15				15		8				8
33 -		31				31	1	24				24
32 -	2	31				33	2	23				25
31 -	6	14				22	1	14				17
30 -	10	16				26	8	26				34
29 -	11	27				38	14	24				42
28 -	14	20				34	19	14				37
27 -	27	8				35	22	14				40
26 -	28	10				38	24	18				42
25 -	18	12				30	23	13				36
24 -	19	11				31	19	14				34
23 -	14	5		19	1	42	24	14		1	1	40
22 AND LESS -	357	82	881	290	825	2,435	364	93	859	294	824	2,434
TOTAL -	411	409	881	309	826	2,936	523	424	859	295	827	2,924
SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.				THROUGH						DOWNBOUND		
46 -		1				1		1				1
44 -		1				1						
43 -								4				4
41 -		1				1		1				1
40 -							1	1				2
39 -								5				5
38 -		3				3		10				10
37 -		5				6		29				30
36 -	1	26	1			27	1	12	1			13
35 -	1	46			1	48	1	32				33
34 -	4	62				66	4	45				49
33 -	9	37				46	9	24			1	34
32 -	13	47				60	14	34				44
31 -	16	41				57	20	30				50
30 -	11	33				44	22	26				44
29 -	15	35				50	19	40				50
28 -	14	57				75	25	51				76
27 -	24	33				57	21	29				52
26 -	24	24				54	22	34				57
25 -	36	29		7		72	32	42				74
24 -	37	42				79	31	27				84
23 -	32	23		3	2	60	45	24				71
22 AND LESS -	546	136	1,678	2,013	492	4,865	525	154	1,670	2,024	494	4,874
TOTAL -	791	688	1,679	2,023	495	5,672	794	704	1,671	2,024	495	5,694
CARQUINEZ STRAIT, CALIF.				UPBOUND						DOWNBOUND		
37 -		12	1			13		46	1			47
36 -	1	14				17	2	18				20
35 -	1	40			1	42	1	35				36
34 -	7	62				69	4	72				76
33 -	7	33				40	9	25			1	35
32 -	13	42				55	18	31				49
31 -	16	34				50	20	24				44
30 -	11	26				37	26	19				45
29 -	15	31				46	19	25				44
28 -	18	42				60	25	37				62
27 -	24	22				46	24	26				50
26 -	24	23				51	21	25				44
25 -	36	20		4		60	32	34		3		69
24 -	37	29				66	32	24				56
23 -	32	13		1	1	47	44	19		1	1	65
22 AND LESS -	519	133	212	536	526	1,926	482	120	224	537	542	1,905
TOTAL -	765	578	213	541	526	2,625	759	574	225	541	544	2,647
DUISUN BAY CHANNEL, CAL.				UPBOUND						DOWNBOUND		
36 -	1	1				2	2	12				14
35 -		6				6	2	4				6
34 -		1				1	4	2				6
33 -	1	5				6	9	2				11
32 -	8	5				13	17	7				24
31 -	11	4				15	12	8				20
30 -	12	7				19	12	2				14
29 -	13	5				18	17	4				25
28 -	13	10				23	13	6				19
27 -	15	2				17	9	4				13
26 -	8	4				12	15	7				22
25 -	9	4		7		20	13	5				14
24 -	17	4				23	14	4				24
23 -	11	4				15	13	5				14
22 -	7	6				13	10	5				15
21 -	10	5			1	25	14	4			2	22
20 -	13	1		3	2	25	6	2	6	2	5	21
19 -	16	1		1	4	23	8				11	14
18 AND LESS -	87	19	97	520	110	833	65	10	94	524	46	795
TOTAL -	261	94	101	531	114	1,109	259	101	102	424	114	1,104

* EXCLUDES DOMESTIC FISHING CRAFT.

TANKERS WITH EXTREME DRAFTS WERE LIGHTERED FROM ANCHORAGE IN SAN FRANCISCO BAY DEEPWATER 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		
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
MUMBOLOTT HARBOR AND BAY, CALIF.					INBOUND						OUTBOUND	
39 - - - - -							1					1
36 - - - - -							3					3
35 - - - - -							3					3
34 - - - - -	5					5	3	1				4
33 - - - - -	3		2			5	3					3
32 - - - - -	3		2			5	4					4
31 - - - - -	5					5	2	1				3
30 - - - - -	5					5	4	1				10
29 - - - - -	2		3			5	6	1				7
28 - - - - -	1		1			7	9	1				10
27 - - - - -	2		1			3	3	2				5
26 - - - - -	6		3			11	11	1				12
25 - - - - -	4		3			7	6	4				10
24 - - - - -	9					9	7	3				10
23 - - - - -	10		2			12	5					5
22 - - - - -	5					5	1	1				2
21 - - - - -	4					4	2	1				3
20 - - - - -	3				1	4	4	1			1	6
19 - - - - -	4		1		8	13	3				8	11
18 AND LESS - - - - -	20			57	72	149	13		55		60	137
TOTAL - - - - -	98		18	57	81	244	98	18	55		78	240
BERKELEY, CALIF.					INBOUND						OUTBOUND	
TOTAL, 9 AND LESS - - - - -	5					5	5					5
BODEGA BAY, CALIF.					NO VESSEL TRIPS REPORTED							
CRESCENT CITY HARBOR, CALIF.					INBOUND						OUTBOUND	
TOTAL, 16 AND LESS - - - - -				25	30	55			25		21	46
HALF MOON BAY, CALIF.					NO VESSEL TRIPS REPORTED							
MONTEREY HARBOR, CALIF.					INBOUND						OUTBOUND	
TOTAL, 7 AND LESS - - - - -	2			8		10	1		8			9
MOSS LANDING HARBOR, CALIF.					NO VESSEL TRIPS REPORTED							
NAPA RIVER, CALIF.					UPBOUND						DOWNBOUND	
TOTAL, 11 AND LESS - - - - -				11	124	136			17		123	141
NOYO RIVER, CALIF.					NO VESSEL TRIPS REPORTED							
PETALUMA RIVER, CALIF.					UPBOUND						DOWNBOUND	
TOTAL, 8 AND LESS - - - - -	59			9	9	77	59		9		9	77
SAN RAFAEL CREEK, CALIF.					NO VESSEL TRIPS REPORTED							
SANTA CRUZ HARBOR, CALIF.					NO VESSEL TRIPS REPORTED							
SUISUN CHANNEL, CALIF.					UPBOUND						DOWNBOUND	
TOTAL, 6 AND LESS - - - - -					19	15					12	12
OTHER SAN FRANCISCO BAY AREA PORTS, CALIF.					INBOUND						OUTBOUND	
TOTAL, 85 AND LESS - - - - -	5,493		243	636	766	7,472	5,492	243	631		767	7,465

* EXCLUDES DOMESTIC FISHING CRAFT.

* EXCLUDED DOMESTIC FISHING CRAFT.

PACIFIC OCEAN DIVISION

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS	
DRAFT (FEET)	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										
				INBOUND					OUTBOUND	
33	1					2				
32						1				
31						1				
29							1			
28		2					2			
27	2					2				
26		1				1				
24						1				
23	2					2				
22	2	1				3				
21	2			7		9	1	1	7	
20	2	1				3		1	2	
19	1			1		2				
18 AND LESS	96	2	359	314	96	845	93	1	357	93
TOTAL	108	7	359	324	96	894	108	6	357	93
KAWAIIAE HARBOR, HAWAII, HAWAII										
				INBOUND					OUTBOUND	
34	1					1				
33	1					1				
30	2					2				
28							1			
26	1					1				
25	1					1				
24							1			
22				1		1			1	
21	2					2				
18 AND LESS	2		141	225	8	376	2	130	224	7
TOTAL	10		141	226	8	385	11	130	225	7
KAMULIIT HARBOR, MAUI, HAWAII										
				INBOUND					OUTBOUND	
33	2					2				
32	1					1				
31						1				
30	3					3				
29	2	1				3				
28	2	1				3				
27	1	1				2				
26	2	1				3				
25	4					4				
23	1	1				2				
22	1			115		116			115	
21	3	1				4				
20	1			1		2			2	
19	1					3			1	
18 AND LESS	70	1	402	385	105	962	64	402	387	100
TOTAL	93	7	402	503	105	1,110	91	7	505	100
BARBERS POINT HARBOR, OAHU, HAWAII										
				INBOUND					OUTBOUND	
47		16				16				
46		4				4				
45		4				4				
44		15				15				
43		13				13				
42		1				1				
41		1				1				
40		1				1				
38		4				4				
37		1				1				
36		7				7				
35		8				8				
34										
33		6				6				
32		1				1				
31										
30										
29		2				2				
28										
27		2				2				
26		1				1				
25		3				3				
24		1				1				
23		1				1				
22		2				2				
21										
20										
19										
18	1					1				
17		1								
16										
15			10			10				
14		1	6			7				
13										
12 AND LESS	2	1	192		24	219	2	100		24
TOTAL	3	97	208		24	332	3	101		24

* 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)												
HONOLULU HARBOR, OAHU, HAWAII												
				INBOUND					OUTBOUND			
37 -	1	10				11		3				3
36 -	5	2				7	5					5
35 -	10	3				13	7					7
34 -	10	4				14	6	1				7
33 -	80	2				82	23	2				25
32 -	51	1				52	25	2				27
31 -	73	1		41		115	47	1		41		89
30 -	34	1				37	56	4		2		62
29 -	31					31	24	2				24
28 -	24	2				26	20	1				30
27 -	22					22	31	2	1			34
26 -	21	2				23	14	1				34
25 -	22	2				24	51	2				43
24 -	19					19	44	1				45
23 -	15	3		4		22	29	1	1			33
22 -	15	5		95		115	14	4		96		114
21 -	13		2	1		16	11	2				13
20 -	9	2	3			14	7	1	5	1		14
19 -	7	1	5	2		15	12	1	2	2		17
18 AND LESS -	1,058	2	1,792	1,486	268	4,606	1,061	2	1,791	1,489	268	4,611
TOTAL -	1,522	43	1,802	1,629	268	5,244	1,519	35	1,800	1,431	268	5,253
HAMILIPIHI HARBOR, KAUAI, HAWAII												
				INBOUND					OUTBOUND			
33 -						5						5
32 -						2						2
31 -	1					1	1					1
26 -	1					1	1					1
25 -		1				1	1					1
24 -								1				1
23 -	1					1						
22 -	2	1		7		10				7		7
21 -	5			1		6	2	1		1		4
20 -		1		1		2				2		2
19 -	1					1						2
18 AND LESS -	45		185	205	24	459	45	1	188	203	21	458
TOTAL -	56	3	185	214	24	482	57	3	188	214	21	482
HANA HARBOR, MAUI, HAWAII												
				NO VESSEL TRIPS REPORTED								
KAILUA HARBOR, OAHU, HAWAII												
				NO VESSEL TRIPS REPORTED								
KALAUPAPA HARBOR, MOLOKAI, HAWAII												
TOTAL, 14 AND LESS -			5	INBOUND					3	OUTBOUND		
				4		9				4		7
KAUNAHAKAI HARBOR, MOLOKAI, HAWAII												
TOTAL, 23 AND LESS -			355	INBOUND					359	OUTBOUND		
				401	19	775				404	19	782
PORT ALLEN HARBOR, KAUAI, HAWAII												
TOTAL, 17 AND LESS -			30	INBOUND					32	OUTBOUND		
				1	22	53				1	22	54
WAKE ISLAND HARBOR, WAKE ISLAND												
				NO VESSEL TRIPS REPORTED								
WELLS HARBOR, MIDWAY ISLAND												
				NO VESSEL TRIPS REPORTED								
KAUNALAPAU HARBOR, LANAI, HAWAII												
TOTAL, 15 AND LESS -			338	INBOUND					338	OUTBOUND		
				630	4	972				632	4	974
* EXCLUDES DOMESTIC FISHING CRAFT.												

* EXCLUDES DOMESTIC FISHING CRAFT.

WALLA WALLA, WA, DISTRICT

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 AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNEDICK, WASH.				UPBOUND					DOWNBOUND	
14 - - - - -			4	2				8	135	143
13 - - - - -				161	136				180	363
12 AND LESS - - - - -	3		2,257	1,208	760	1		2,291	926	619
TOTAL - - - - -	3		2,261	1,371	906	1		2,299	1,221	1,022
Snake River, OREG., WASH., AND IDAHO				UPBOUND					DOWNBOUND	
14 - - - - -			4	1				6	80	86
13 - - - - -				1	7				275	160
12 - - - - -			192	85	76			236	243	322
11 - - - - -			547					560	27	34
10 - - - - -			329	3	2			246	230	4
9 - - - - -			289	29	58			192	17	30
8 - - - - -			56	21	36			181	34	5
7 - - - - -			4	20	10			6	51	5
6 - - - - -			18	7	3			15	6	
5 - - - - -			30	23	7			29	5	
4 - - - - -			4	7	2			2	8	
3 - - - - -	5		339	569	206	1		339	16	97
2 - - - - -				240	205				13	81
1 - - - - -				3					3	
TOTAL - - - - -	5		1,811	1,009	617	1		1,812	1,008	667

PORTLAND, OR, DISTRICT

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TRIPS AND DRAFTS OF VESSELS •

HARBOR OR WATERWAY	DIRECTION				DRAFT (FEET)			
	SELF PROPELLED VESSELS		NON SELF PROPELLED VESSELS		SELF PROPELLED VESSELS		NON SELF PROPELLED VESSELS	
DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER
COLUMBIA RIVER ENTRANCE, OREG. AND WASH.				UPBOUND				DOWNBOUND
40		1				1		1
39						1		1
38	5	3				8	11	2
37	5	17				22	26	2
36	15	13				28	26	2
35	11	0				20	08	0
34	22	22				44	206	11
33	42	7				49	167	0
32	30	24				54	71	0
31	22	23				45	62	4
30	31	10				40	07	4
29	66	24				91	176	11
28	74	14				88	102	14
27	87	7				94	07	14
26	84	14				102	74	20
25	88	15		11		114	81	17
24	90	12				102	74	10
23	139	4				143	94	12
22	110	4				127	44	4
21	109	2			4	115	24	0
20	153	4	17	14	3	165	46	7
19	146	0	6		4	146	23	4
18 AND LESS	205	14	127	96	24	446	43	152
TOTAL	1,547	274	190	125	34	2,132	1,486	274
COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY				UPBOUND				DOWNBOUND
40		1				1		1
39						1		1
38	5	3				8	11	3
37	5	17				22	26	2
36	15	13				28	26	2
35	12	0				21	08	7
34	22	20				51	206	4
33	41	7				48	167	0
32	30	24				63	72	0
31	22	23				45	61	4
30	31	10				41	00	6
29	66	24				91	124	11
28	74	14				88	106	14
27	87	7				94	07	14
26	84	14				104	74	22
25	88	15		11		118	82	17
24	91	12				103	74	20
23	139	5				144	94	12
22	120	4				128	44	4
21	110	2			4	116	24	0
20	160	4	21	18	3	210	44	0
19	146	0	4		4	164	24	4
18	81	4	24	1	3	110	10	34
17	56	3	5	3	3	70	7	2
16	34	2	6		1	43	4	6
15	11	1	50	22	1	94	4	64
14	4		32	0	4	53	2	34
13	3	1	1	53	201	249	1	3
12	3	1		62	244	649	2	2
11	1		1,905	38	130	2,074		2,104
10	2		1,309	133	184	1,630	7	1,334
9	1	1	2,474	259	206	2,945	17	2,007
8	2		2,294	176	167	2,640	3	2,210
7			2,284	1,102	90	3,580		2,074
6	12,584		2,012	296	24	15,716	12,584	2,005
5	6,298		1,740	45	42	8,145	6,306	1,470
4	4,383		400	152	33	4,976	4,410	317
3	40	1	623	435	560	2,158	0	527
2			6	984	387	1,377	2	25
1	13			21		34	0	4
TOTAL	24,476	205	16,405	4,422	2,272	48,240	24,476	276
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.				UPBOUND				DOWNBOUND
40		1				1		1
39						1		1
38	5	4				9	11	3
37	5	14				20	26	7
36	15	11				26	26	3
35	12	0				21	08	0
34	22	24				47	206	10
33	41	10				51	167	11
32	30	24				54	72	12
31	22	24				46	61	12
30	31	14				45	101	0
29	66	24				91	127	14
28	74	14				88	104	17
27	82	10				92	07	17
26	84	21				105	74	24
25	88	13		11		112	82	14
24	91	14				105	74	14
TOTAL								

• EXCLUDES DOMESTIC FISHING CRAFT.

Waterborne Commerce of the United States, 1982

PORTLAND, OR, DISTRICT

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
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG., (CONTINUED)				UPBOUND						DOWNBOUND		
23 -	139	6				145	58	11				69
22 -	129	8				129	45	5		1		51
21 -	111	5			4	120	26	4				34
20 -	159	4	21	18	3	196	59	10	14	1		84
19 -	186	9	6		5	196	24	6	6			36
18 AND LESS -	4,467	17	18,899	5,569	2,551	31,703	4,479	79	18,904	5,678	2,563	31,703
TOTAL -	6,010	297	18,926	5,598	2,563	33,394	6,006	297	18,924	4,649	2,563	33,472
YOUNGS BAY AND YOUNGS RIVER, OREG.				UPBOUND						DOWNBOUND		
11 -			2			2			2			4
10 -					3	3			6			6
9 -			4			4			10			10
8 -			4	1	7	17			6			6
7 -			174			174			163			163
6 -			114	4		122			98	6		104
5 -			7			7			7			7
4 -			3	3		6			1	7		10
3 -				4		4				5		5
2 -				1		1					10	10
TOTAL -			312	13	10	335			295	26	10	325
PORT OF ASTORIA, OREG.				INBOUND						OUTBOUND		
37 -						1			1			1
36 -	1					1			7			7
35 -		1				2			18			18
34 -	3					3			15			15
33 -	6					6			14			14
32 -	7					8			12			12
31 -	4	1				4			3			3
30 -	4					8			10			10
29 -	12	3				15			15			15
28 -	7	2				9			3			3
27 -	4					6		2	9			9
26 -	3					3			6			6
25 -	11	1				12		1	10			11
24 -	11					11			11			11
23 -	14	1				15		1	10			11
22 -	31	1				32			16			17
21 -	34					34			24			25
20 -	38	2	8		1	46			27	4		31
19 -	31		4			35			21			25
18 AND LESS -	65	1	2,120	223	260	2,669	33	3	2,220	223	262	2,701
TOTAL -	290	13	2,132	223	261	2,919	266	7	2,233	225	262	3,013
PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA				INBOUND						OUTBOUND		
28 -	1					1						
18 AND LESS -	4		2,828	932	43	3,809	4		2,823	934	43	3,804
TOTAL -	7		2,828	932	43	3,810	4		2,823	934	43	3,804
PORT OF LONGVIEW, WASH.				INBOUND						OUTBOUND		
39 -						1			1			1
38 -	2	1				3			2			2
37 -						1			1			1
36 -	6					6			7			7
35 -	3					3			24			24
34 -	15	3				18			40			40
33 -	2					2			39			39
32 -	4					5			25			25
31 -	3	1				3			14			15
30 -	3					3			20			21
29 -	9					9			32			33
28 -	11	3				14			1			15
27 -	22					22			18			18
26 -	15	3				18			16			17
25 -	20					20			7			27
24 -	20	1				21			9			29
23 -	19					19			8			27
22 -	33					33			4			37
21 -	13					13			1			14
20 -	43				1	44			2		1	46
19 -	27					27			1			28
18 -	18					18						18
17 -	14					14						14
16 -	4					4						4
15 -	1					1						1
14 -	8		14	13		31		1	10			41
13 -				41	10	51			2			53
12 AND LESS -	8		2,873	868	262	4,031	10		2,871	920	264	4,089
TOTAL -	323	12	2,887	924	293	4,439	322	17	2,885	924	293	4,441

• EXCLUDED DOMESTIC FISHING CRAFT.

* EXCLUDES DOMESTIC FISHING CRAFT.

TIMES 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
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	
PORT OF HALAMA, WASH.												
30	1				INBOUND	1	3			OUTBOUND		
35	1					1	3	1				
34	3					3	3					
33	4					4	4	1				
32							1					
31							1					
30	1					1	1					
29	1					1	1					
28		1					1					
27		1					1					
26		1	1				1					
25	2					2		1				
24								2				
23												
22		1				1						
21		1				1						
20	1					1						
19	4					4						
18 AND LESS	4	1	378	154	34	576	2	4	379	154	34	981
TOTAL	19	9	378	154	34	944	20	9	379	154	34	644
MULTNOMAH CHANNEL, OREG.												
16					UPBOUND	125				DOWNBOUND		
12										2		
11			2		15	15			6		125	131
10			24	64	14	124			21	4		45
9			45	1	4	52			51	273		324
8			340	1	13	362			354	34	13	401
7			175			175			169	61		232
6			334	2	2	338			329	6	1	336
5			439	1		440			444	1		445
4			16	10	24	50			21	94		71
3				10		10				2		2
2			1	364		365				44	34	78
TOTAL			1,988	475	173	2,236			1,984	475	173	2,236
OREGON SLOUGH (NORTH PORTLAND HARBOR), OREG.												
20	21		5		UPBOUND	26	26		1	DOWNBOUND		
18			7			7			7			
17				3		3				4		
15			10	3		13			10	10		
14			37			37			34			
13			44	1		45			44			
12			60	75	24	159			103	31	12	148
11			90	74	13	177			65	101	6	212
10			419		4	423			399	2		401
9			26	52	0	78			22	23	7	32
8			13	3	4	20			13	2	2	17
7	67		25	4	1	73	48		52	24	5	114
6			2	4	5	11			3	4	2	10
5				134	4	138			31	31	31	93
4				54	27	76			29	176	21	167
3												
2												
TOTAL	68		735	403	93	1,299	68		784	405	86	1,345
PORT OF VANCOUVER, WASH.												
35	9				INBOUND	9	2			OUTBOUND		
34	1					1	3					
33							4					
32							4					
31							1					
30	1	2				3	3					
29	4					4	10					
28	7	1				8	6	2				
27	7					7	5	1				
26	5	1				6	9					
25	9					9	14	1				
24	5	1				6	14					
23	10					10	6	2				
22	11	1				12	6					
21	10					10	4	1				
20	9					9	7	1	2			
19	16					16	4					
18 AND LESS	14	1	2,594	134	608	3,353	4	2	2,944	134	608	3,387
TOTAL	126	8	2,602	134	608	3,478	115	10	2,601	134	608	3,468
COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG.												
16					UPBOUND				1	DOWNBOUND		
15			5			5			9			
14			3	3		3			1			
13			2	144		146				31		
12			142	220	142	504			174	234	253	661
11			454			454			461	24	42	527
10			284	0	24	308			344	144	2	450
9			341	87	134	562			341	341	65	747
8			542	42	40	624			534	144	4	682
7			744	311	4	1,059			644	433	7	1,134
6 AND LESS	444		444	1,431	314	3,089	444		1,024	47	154	1,724
TOTAL	444		3,054	2,144	923	7,145	444	1	3,054	2,145	923	7,147

• EXCLUDED DOMESTIC FISHING CRAFT.

PORTLAND, OR, DISTRICT

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS	
DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
COLUMBIA RIVER ABOVE THE DALLES DAM, WASH. AND OREG. TO MCNARY LOCK AND DAM, OREG. AND WASH.					UNBOUND	DOWNBOUND				
15 -			6	22				6	33	
14 -				22	162				103	
13 -				44	200				347	231
12 -			179					179	404	384
11 -			409					409	74	42
10 -			154	26	2			154	277	2
9 -			48	87	133			48	23	95
8 -			162	46	41			162	47	4
7 -			33	95	6			37	30	4
6 -			27	1	5			27	1	8
5 -			13	27	9			10	7	17
4 -				5	1			1	3	4
3 -	2		341	701	160	2		339	21	73
2 -				331	127				24	37
1 -									1	
TOTAL -	2		1,376	1,367	446	2		1,376	1,362	844
PORT OF PORTLAND, OREG.					INBOUND	OUTBOUND				
40 -			1					1		2
38 -	1		4					5		8
37 -	3	16						6		12
36 -	4	12						17		14
35 -	6	9						56		57
34 -	65	23						72		81
33 -	62	4						70		82
32 -	23	30						34		42
31 -	35	29						23		31
30 -	10	16						64		60
29 -	34	21						59		45
28 -	41	15						57		71
27 -	40	9						44		81
26 -	44	18						45		70
25 -	49	12		11				45		60
24 -	49	9						44		63
23 -	74	3						37		45
22 -	36	5						41		30
21 -	33	2			4			15		24
20 -	57	3	5	16	1			29		46
19 -	51	5	4		5			17		25
18 AND LESS -	89	12	10,596	3,970	2,001	48	63	10,594	3,997	2,070
TOTAL -	435	262	10,605	3,997	2,071	456	262	10,604	3,997	2,070
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.					UNBOUND	DOWNBOUND				
11 -			2	2				2		2
10 -			31	181	13			130		950
9 -			52	693	3			67		654
8 -			476	234	8			645		857
7 -			316	703	1			341		993
6 -			192	133	1			222		346
5 -			906	4				624		756
4 -	30		904	153		32		414		1,200
3 -			93	1,085				44		751
2 -			72	622	2			70		521
1 -				76				14		10
TOTAL -	30		3,004	3,486	28	32		3,004	3,486	28
COQUILLE RIVER, OREG.					UNBOUND	DOWNBOUND				
12 -			4					4		3
10 -			2	86				2		90
9 -			86					84		2
8 -				4						86
6 AND LESS -									2	2
TOTAL -			92	90				92	91	183
COOS BAY, OREG.					INBOUND	OUTBOUND				
37 -								2		2
36 -	2							6		4
35 -	2							10		10
34 -	2							40		40
33 -	4							44		45
32 -	4							44		50
31 -	15	1						44		44
30 -	20							14		10
29 -	21							14		11
28 -	21							11		11
27 -	14	7						11		16
26 -	14	6						2		10
25 -	16	2						4		6
24 -	20	1						21		6
23 -	25	1						4		7
22 -	26							1		3
21 -	22							2		2
20 -	16	1						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	
DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER
COOS BAY, OREG.--(CONTINUED)				UPBOUND					DOWNBOUND	
19 - - - - -	22			5	27	4				4
18 - - - - -	7			4	11				1	1
17 - - - - -	8			2	6				4	4
16 - - - - -	1	7		4	12		2		1	3
15 - - - - -	1	5		1	7		4			4
14 - - - - -		61		1	64		64		2	64
13 - - - - -		7		1	12		4		4	12
12 AND LESS - - - - -	8	2,650		245	3,174		2,660		245	3,127
TOTAL - - - - -	203	10	2,650	249	3,533	202	10	2,654	249	3,514
COOS AND MILLICOMA RIVERS, OREG.				UPBOUND					DOWNBOUND	
6 - - - - -			349		349			245		245
5 - - - - -			831	5	836		1,054		6	1,060
4 - - - - -			303		303					224
TOTAL - - - - -			1,503	5	1,508		1,505		6	1,509
UMPOUA RIVER, OREG.				UPBOUND					DOWNBOUND	
14 - - - - -			23		23			25		25
13 - - - - -			2		2					
12 - - - - -				3	3				5	5
11 - - - - -			5		5			3		3
10 - - - - -			2	123	125			4	121	125
9 - - - - -									0	0
8 - - - - -			121		121			121	94	210
7 - - - - -									30	30
6 AND LESS - - - - -			160	140	310			160	1	172
TOTAL - - - - -			322	275	597			322	274	597
SIUBLEAN RIVER, OREG.				UPBOUND					DOWNBOUND	
10 - - - - -				146	146				146	146
9 - - - - -			139		139			153		153
5 - - - - -			120		120			105		105
TOTAL - - - - -			259	146	405			256	146	406
YAGUINA BAY AND HARROR, OREG.				UPBOUND					DOWNBOUND	
31 - - - - -						1				1
20 - - - - -	1				1				16	16
13 - - - - -						2		744	732	1,482
12 AND LESS - - - - -	3	747		747	1,497			744		1,489
TOTAL - - - - -	4	747		747	1,498	3		744	744	1,490
ALSEA BAY AND RIVER, OREG.				NO VESSEL TRIPS REPORTED						
CHETCO RIVER, OREG.				UPBOUND					DOWNBOUND	
TOTAL, 12 AND LESS - - - - -			50	50	100			40	40	80
CHINDEN CHANNEL, WASH.				NO VESSEL TRIPS REPORTED						
CLATSkanie RIVER, OREG.				UPBOUND					DOWNBOUND	
TOTAL, 6 AND LESS - - - - -			1		1			1		1
COLUMBIA RIVER AT MAKERS BAY, WASH.				NO VESSEL TRIPS REPORTED						
COLUMBIA SLOUGH, OREG.				NO VESSEL TRIPS REPORTED						
COMLITZ RIVER, WASH.				UPBOUND					DOWNBOUND	
TOTAL, 6 AND LESS - - - - -			8		8			8		8
DEEP RIVER, WASH.				UPBOUND					DOWNBOUND	
TOTAL, 11 AND LESS - - - - -			121	8	129			121	7	128
DEPOE BAY, OREG.				NO VESSEL TRIPS REPORTED						
ELKOMIN SLOUGH, WASH.				UPBOUND					DOWNBOUND	
TOTAL, 6 AND LESS - - - - -			26		26			25		25
GRAYS RIVER, WASH.				NO VESSEL TRIPS REPORTED						
LAKE RIVER, WASH.				UPBOUND					DOWNBOUND	
TOTAL, 8 AND LESS - - - - -	182		8		190	182		14		196

* EXCLUDES DOMESTIC FISHING CRAFT.

Waterborne Commerce of the United States, 1982

PORTLAND, OR, DISTRICT

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)										
LEWIS RIVER, WASH. TOTAL, 8 AND LESS - - - - -			136	71	UPBOUND			136	73	DOWNBOUND
PORT OF ST. HELENS, OREG. TOTAL, 12 AND LESS - - - - -			194	77	INBOUND			202	83	OUTBOUND
PORT ORFORD, OREG.			NO VESSEL TRIPS REPORTED							
ROGUE RIVER, OREG. TOTAL, 10 AND LESS - - - - -	1,045		70	70	UPBOUND	1,045		70	70	DOWNBOUND
SKAMOKAWA (STEAMBOAT) SLOUGH, WASH. TOTAL, 11 AND LESS - - - - -			6		UPBOUND			6		DOWNBOUND
SKAMOKAWA CREEK, WASH. TOTAL, 6 AND LESS - - - - -			1		UPBOUND			1		DOWNBOUND
SKIPANON CHANNEL, OREG. TOTAL, 11 AND LESS - - - - -			86	35	UPBOUND			73	56	DOWNBOUND
SMITH RIVER, OREG. TOTAL, 7 AND LESS - - - - -			57	7	UPBOUND			47	7	DOWNBOUND
TILLAMOOK BAY AND RAP, OREG.			NO VESSEL TRIPS REPORTED							
WESTPORT SLOUGH, OREG. TOTAL, 12 AND LESS - - - - -	4,380		77	58	UPBOUND	4,511		70	51	DOWNBOUND
YAGUINA RIVER, OREG. TOTAL, 13 AND LESS - - - - -			26	6	UPBOUND			26	6	DOWNBOUND

* EXCLUDES DOMESTIC FISHING CRAFT.

SEATTLE, WA, 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			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	
DRAFT (FEET)												
GRAYS HARBOR AND CEMALIS RIVER, WASH.					INBOUND					OUTBOUND		
35 -	1					1	7					7
34 -							96					96
33 -	1					1	28					28
32 -							27					27
31 -	3					3	13					13
30 -	3					3	12					12
29 -	3					3	8					8
28 -	4					4	6					6
27 -	9					9	6					6
26 -	13					13	1					1
25 -	3					3	4					4
24 -	5					5	8					8
23 -	10					10	2					2
22 -	20					20	3					3
21 -	25					25		1				1
20 -	53					53	5					5
19 -	42					42	1					1
18 -	16	1				17	1					1
17 -	6					6						
16 -	1					1						
15 -	2		2			4			2			2
14 -									4			4
13 -	1					1				1		1
12 AND LESS -	10,054		1,654	337		20,050	18,057		1,666	337		20,060
TOTAL -	14,275	1	1,661	337		20,274	18,275	1	1,679	338		20,286
PORT ANGELES HARBOR, WASH.					INBOUND					OUTBOUND		
36 -	5	7				12	6	22	2			30
35 -	5					5	5	6				11
34 -	2	1				3	3	1				4
33 -	1					1	7	1				8
32 -	4	3				7	10					10
31 -	1	1				2	7	2				9
30 -	4	1				5	14					18
29 -	2	1				3	5					5
28 -	2	1				3	5					5
27 -	8	1				9	6	1				7
26 -	2	2				4	3	3				6
25 -	6	2				8	7					7
24 -	5					5	2					2
23 -	6	2				8	7	2				9
22 -	6	1				7	1					1
21 -	13					13	5					4
20 -	6		6			12	7		5			12
19 -	17		2			19	2		7			4
18 AND LESS -	11,322	7	1,507	314	316	13,556	11,270	9	1,634	304	313	13,530
TOTAL -	11,413	30	1,605	314	316	13,678	11,372	47	1,647	308	313	13,679
PORT TOWNSEND HARBOR, WASH.					INBOUND					OUTBOUND		
TOTAL, 22 AND LESS -	5,384	5	1,206	900	80	7,615	5,368	3	1,185	1,017	42	7,615
PORT GAMBLE HARBOR, WASH.					INBOUND					OUTBOUND		
18 -			2			2			2			2
16 -			2			2			2			2
15 -			6			6			2			2
14 -			10			10			6			6
13 -			16		1	17			14	2		18
12 AND LESS -			533	317	1	851			534	309	1	844
TOTAL -			569	317	2	888			964	311	1	878
HAMMERSLEY INLET, WASH.					INBOUND					OUTBOUND		
12 -			6			6			4			4
11 -									2			2
10 -			220	77		297			102	106		208
9 -			51			51			55			55
8 -	5,611		97	74		5,782			115	83		198
7 -			2			2			6			6
6 AND LESS -			28	188		216	5,611		32	104		5,841
TOTAL -	5,611		404	339		6,354	5,611		404	307		6,364
OLYMPIA HARBOR, WASH.					INBOUND					OUTBOUND		
30 -							16					16
29 -							1					1
28 -							2					2
27 -	1					1						
26 -							2					2
25 -							1					1
24 -	2					2						
23 -	3					3						
22 -	3					3						
21 -	3					3						
20 -	5					5	1					1
19 -	6					6	1					1
18 AND LESS -	3,931	12	507	8	42	4,498	3,925	10	607	9	41	4,192
TOTAL -	3,951	12	507	8	42	4,210	3,950	10	607	9	41	4,217

SEATTLE, WA, DISTRICT

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
TACOMA HARBOR, WASH.				INBOUND						OUTBOUND		
35	17	7				24	73	4				77
34	2	2				4	34					34
33	3	2				5	25	1				26
32	4	4				8	42	2				44
31	12	6				18	25					25
30	17	3				20	37	4				41
29	27	3				30	37	5				42
28	153	4	2			159	133	4	2			143
27	52	9				61	43	4				51
26	60	10				70	42	7		4		53
25	69	8				77	34	8				44
24	66	8			4	78	34	7		10		55
23	88	5			9	98	14	7				53
22	38	3		31	4	76	32	4		30		66
21	46	2				48	35	2				37
20	42	1	10	1		64	24	1	10			35
19	37	2		1	1	41	22	1			10	33
18	6,898	2	5	1	2	6,908	6,874	3	6		11	6,894
17	11	2	416	1	1	430	4	2	421	1	1	429
16	5	1	235	1	4	247	1	1	234	3	1	240
15	2		152	3	67	224	5	1	154	14	74	253
14	2	2	299	8	56	367	1	3	306	14	64	416
13	23		792	8	17	750	21	1	702	24	30	782
12 AND LESS	3,155	18	7,700	1,318	762	12,473	3,154	19	7,754	1,102	874	12,911
TOTAL	10,780	104	9,521	1,372	948	22,725	10,790	49	9,593	1,211	1,093	22,786
SEATTLE HARBOR, WASH.				INBOUND						OUTBOUND		
36	6	15				21	14	10				24
35	9	4				13	17	1				18
34	5	7				12	23					23
33	28	13				41	46	2				48
32	66	6				72	104	7				111
31	72	11				83	117	4				121
30	56	6				62	93	3				96
29	85	6				91	82	4				90
28	113	10				123	114	16				132
27	124	5			1	130	93	10				103
26	97	7				104	69	15				84
25	50	7			1	67	85	4				93
24	66	7				75	24	4				75
23	50	7			6	63	34	4		1	2	41
22	33	4			2	39	31	1				36
21	28	4			4	41	35				2	37
20	22		68		5	97	26	6	71	2	1	106
19	21	2	13		5	46	25	6	17	10	1	50
18 AND LESS	46,409	109	13,691	4,229	2,425	67,003	46,497	131	13,629	4,229	2,487	66,473
TOTAL	47,429	232	13,772	4,241	2,529	68,203	47,495	234	13,717	4,242	2,500	68,192
LAKE WASHINGTON SHIP CANAL, WASH.				INBOUND						OUTBOUND		
TOTAL, 22 AND LESS	308	84	1,565	740	96	2,793	307	84	1,573	801	74	2,839
EVERETT HARBOR AND SNOHOMISH RIVER, WASH.				INBOUND						OUTBOUND		
36	7					7	30					30
35	3					3	23					23
34	3					3	9					9
33	7					7	10					10
32	3					3	14					14
31	7					7	19					19
30	5					5	12					12
29	6					6	16					16
28	10					10	18					18
27	11					11	8					8
26	7					7	7					7
25	7					7	6					6
24	6					6	2					2
23	13					13	1					1
22	18					18	7					7
21	18					18	2					2
20	1					1						1
19	1					1						1
18 AND LESS	8,466	1	7,882	485	234	17,568	8,420	1	7,899	471	222	17,513
TOTAL	9,097	1	7,882	485	234	17,699	9,108	1	7,899	471	222	17,701
SNOHOMISH CHANNEL, WASH.				NORTHBOUND						SOUTHBOUND		
15			4			4			12			12
14									4			4
13			4			4			2			2
12			85			85			85			85
11			46			46			46			46
10			26			26			40			40
9			4			4			10			10
8			19			19			9			9
7 AND LESS	17,246		147			17,265	17,246		169			17,415
TOTAL	17,246		375			17,621	17,246		381			17,627

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
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
ANACORTES HARBOR, WASH.					INBOUND						OUTBOUND	
35 -			60			60		16				16
34 -			35			35		26				26
33 -			10			10	1	12				13
32 -			7			7	1	9				10
31 -			4			4		8				8
30 -			2			2		11				11
29 -			7			7		1				1
28 -		1	12			13	2	14				17
27 -		1	7			7		17				17
26 -			6			6		9				9
25 -			3			3		8				8
24 -								10				10
23 -		1	3		2	6		5				5
22 -		1	4		1	6		1			3	4
21 -					1	1		1			1	2
20 -			18	1		19		8	1			10
19 -		2			2	4		5			3	4
18 AND LESS -	14,260	14	1,616	325	275	16,490	14,260	19	1,633	324	294	16,530
TOTAL -	14,274	192	1,617	325	281	16,600	14,260	190	1,634	324	304	16,716
BELLINGHAM BAY AND HARBOR, WASH.					INBOUND						OUTBOUND	
31 -		5				5	8	3				11
30 -		1				1	1					1
29 -		2	1			3	4	3				7
28 -							8	2				8
27 -		8				8	2	1				9
26 -		4	1			5	4	2				7
25 -		4	4			8	4	4				9
24 -		2	2			4	7	2				9
23 -		2	2			4	2	1				5
22 -		7	3			10		3				5
21 -		1				1	3					3
20 -		2	3			5	1		1			2
19 -		4				4	1	2				3
18 AND LESS -	30,254	13	1,714	672	76	32,731	30,239	3	1,477	691	60	32,670
TOTAL -	30,298	29	1,714	672	76	32,780	30,286	30	1,478	691	60	32,745
BLAINE HARBOR, WASH.					INBOUND						OUTBOUND	
TOTAL, 8 AND LESS -	15,280					15,280	15,280					15,280
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WASH.					UPBOUND						DOWNBOUND	
TOTAL, 11 AND LESS -	18,420		18	3		18,440	18,420		23	3		18,450
FLATHEAD LAKE, MONT.					NO VESSEL TRIPS REPORTED							
MOQUIAM RIVER, WASH.					UPBOUND						DOWNBOUND	
TOTAL, 10 AND LESS -	7,543		1,379			8,922	7,543		1,370			8,913
KOOTENAI RIVER, IDAHO AND MONT.					NO VESSEL TRIPS REPORTED							
MEAN BAY, WASH.					INBOUND						OUTBOUND	
TOTAL, 14 AND LESS -	12,763		12	1	5	12,781	12,763		6	1	5	12,775
QUILLAYUTE RIVER, WASH.					UPBOUND						DOWNBOUND	
TOTAL, 8 AND LESS -	1,541					1,541	1,541					1,541
SKAGIT RIVER, WASH.					UPBOUND						DOWNBOUND	
TOTAL, 12 AND LESS -			30	9		39			22	9		31
STILLAGUAMISH RIVER, WASH.					NO VESSEL TRIPS REPORTED							
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WASH.					NORTHBOUND						SOUTHBOUND	
TOTAL, 15 AND LESS -			105	6		111			234	20		254
WILLAPA RIVER AND HARBOR, AND NABELE RIVER, WASH.					INBOUND						OUTBOUND	
TOTAL, 12 AND LESS -	8,524					8,524	8,524					8,524
COEUR D'ALENE LAKE AND ST. JOE RIVER, IDAHO					UPBOUND						DOWNBOUND	
TOTAL, 11 AND LESS -			791	13		804			1,205	21		1,226
OTHER PUGET SOUND AREA PORTS, WASH.					INBOUND						OUTBOUND	
TOTAL, 95 AND LESS -	96,376	251	4,183	2,010	667	103,487	96,267	228	4,243	2,022	700	103,460

ALASKA DISTRICT

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
KEYCHIKAN HARBOR, ALASKA												
30 -	11	1		INBOUND			24	1		OUTBOUND		
29 -	8					12	19	1		1		26
28 -	2	1				3	3	1				20
27 -	6	1				7	3					4
26 -	25	1				26	31					3
25 -	23					23	22	1				31
24 -	8	1				10	7					23
23 -	20				1	21	15					7
22 -	14				3	21	18	1				15
21 -	3					3	4			1		19
20 -	7		8			15	14		10			5
19 -	36		6			42	29	1	6			26
18 -	8		2		1	11	3	6	10			16
17 -	12		4			16	5	2				19
16 -	1,102		2			1,104	1,098				1	7
15 -	6		34	11	6	57	4		35	5		1,099
14 -	5		144	19	3	171	4		100	20	3	40
13 -	10		32	2	1	45	10		29	1	3	127
12 AND LESS -	12,882	12	552	440	213	14,149	12,874	2	594	495	223	43
TOTAL -	14,192	17	784	522	229	15,744	14,149	16	784	524	230	14,188
WRANGELL HARBOR, ALASKA												
27 -	9			INBOUND			26			OUTBOUND		
26 -	1					9	1			1		27
25 -	1					1	1			1		1
24 -	1					1	1			1		1
23 -	3					3	2					2
22 -	2					2	2					2
21 -	8					8	2					2
20 -	8					8	2					2
19 -	22					22	14					14
18 -	2					2	1					1
17 -	459					459	458					458
16 -	1		3			4	2		3			5
15 -	49		49			49			62			62
14 -	14		14			14	14		14			14
13 -	59		247	224	81	611	59		233	223	81	596
12 AND LESS -	59		247	224	81	611	59		233	223	81	596
TOTAL -	571		513	224	81	1,189	571		312	224	81	1,188
WRANGELL NARROWS, ALASKA												
21 -			2	INBOUND			1			DOWNBOUND		
20 -						2	1					1
19 -	1	1				2						
18 -	5	2				7	5					5
17 -	4,345					4,345	954					954
16 -	1					1			8	19		27
15 -	2		11		1	13			104	20		127
14 -	2		105			107	1		24	10		37
13 -	2		24	12	2	40	3	10	263	207	198	709
12 AND LESS -	73		494	241	237	1,045	31					
TOTAL -	4,429	11	636	253	240	5,569	996	10	401	256	198	1,861
SITKA HARBOR, ALASKA												
27 -	20			INBOUND			32		1	OUTBOUND		
26 -	7					7	6					6
25 -	33					33	34					34
24 -	7					7	7					7
23 -	14					14	14					14
22 -	1					1	1					
21 -	5					5	5					5
20 -	23					24	9					9
19 -	2				1	3	2					2
18 -	2					2	2					2
17 -	229					229	229					229
16 -	1		32	37		69	2		32			34
15 -	71		2	2		74	1		59	37		97
14 -	6					10	1		10			11
13 -	14	1	112	117	96	340	16	1	122	119	96	356
12 AND LESS -	14		112	117	96	340	16		122	119	96	356
TOTAL -	358	2	223	156	96	837	358	1	224	156	96	837
SERGIUS AND WHITETONG NARROWS, ALASKA												
16 -	293			NORTHBOUND			165			SOUTHBOUND		
15 -			5			5						5
14 -			62	19		24			9			9
13 -	1		10	20		42	1		58			59
12 -						11			8		2	10
11 -					3	3					4	5
10 -				1	1	11		1		1	19	20
9 -				61	12	106			28	61	10	90
8 -				55		61	1		53		9	63
7 -				7	14	23			9		7	17
6 -				10	14	24			4	1	5	17
5 -					11	14					3	3
4 -					3	3					1	1
3 -					30	30				24	22	46

* 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
BERGIUS AND WHITESTONE NARROWS, ALASKA--(CONTINUED)				NORTHBOUND					SOUTHBOUND	
3				7	4				9	1
2				1	7					3
TOTAL	297		191	130	104	730	171	1	142	96
SHAGHAY HARBOR, ALASKA				INBOUND					OUTBOUND	
31						1				1
30						4				4
29						1				1
28	1					1				1
27						16				1
26	16					17				17
25	91					91				92
24						2				2
23	1					1				1
22	16					16				15
21	5					5				2
20	6					6				4
19	15					15				10
18	7					7				3
17	4	1	1			6		1		2
16	246		1			247	246	1		247
15	3	1				4	2	2		4
14			1		6	7				7
13	1				2	3		1		1
12 AND LESS	14		11	3	11	39	14	14	3	11
TOTAL	426	2	14	3	10	464	426	2	22	14
VALDEZ HARBOR, ALASKA				INBOUND					OUTBOUND	
74								3		3
73								12		12
72								50		50
71								24		24
70								10		10
69								4		4
68								17		17
67								0		0
66								15		15
65								12		12
64								1		1
63		1						2		2
62								2		2
61								11		11
60								54		54
59								67		67
58								39		39
57								18		18
56								17		17
55		1						42		42
54								40		40
53								23		23
52								50		50
51								24		24
50								10		10
49		1						0		0
48								14		14
47		1						0		0
46								10		10
45								34		34
44			36			36		44		44
43			23			23		24		24
42			35			35		34		34
41			20			20		24		24
40			31			31		23		23
39			13			13		6		6
38			22			22		2		2
37			27			27		3		3
36			26			26		7		7
35			34			34		9		9
34			29			29				
33			39			39		1		1
32			60			60		1		1
31			79			79		1		1
30			73			73		2		2
29			34			34				
28	4		47			41	2			2
27	4		47			51	4			4
26	3		42			45	3			3
25			32			32				
24			16			16				
23			14			14				
22			9			8				
21			2			2				
20	2		5			16		1		1
19			1			8	1	17	6	22
18			16			22	1	16		17
17						1		5	4	0
16	208		7			217	204	2		217
15			2			2		2		2
14		6	2	3	3	16		2		3

* EXCLUDES DOMESTIC FISHING CRAFT.

Waterborne Commerce of the United States, 1982

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ALASKA DISTRICT

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
VALDEZ HARBOR, ALASKA--(CONTINUED)												
13 - - - - -		1	5		3	9			1		3	5
12 AND LESS - - - - -		57	5	15	10	87	1	2	8	14	17	42
TOTAL - - - - -	221	849	42	18	20	1,140	220	848	38	17	19	1,187
ANCHORAGE, ALASKA												
35 - - - - -	1	3				4	1					1
33 - - - - -	1	2				3						1
32 - - - - -	4	1				5						1
31 - - - - -	40					40		1				2
30 - - - - -	34	4				38						13
29 - - - - -	21					21						25
28 - - - - -	107	1	4			112	114					114
27 - - - - -	6					6	24	1				25
26 - - - - -	1	1				2	9	1				10
25 - - - - -	14					14	43	2				45
24 - - - - -	1					1	1	1				2
23 - - - - -							2	1				3
22 - - - - -	1	1				2	2					2
21 - - - - -	2					2	2					2
20 - - - - -	6					6	1		2			3
19 - - - - -	7					12	4		5			15
18 - - - - -	11			11		22	11	1		3		16
17 - - - - -	3					3	7		3			10
16 - - - - -				34		34		3		23		33
15 - - - - -	1			7		8	1			7		8
14 - - - - -				4		4				16		23
13 - - - - -				6		6	14		4			5
12 AND LESS - - - - -	4			30	7	41	3	1	22	58	8	92
TOTAL - - - - -	269	13	62	94	7	445	269	14	63	94	8	446
ILISULIUK HARBOR, ALASKA												
34 - - - - -	10	8				18	18					18
33 - - - - -	1					1	2					2
32 - - - - -	3					3	2					2
31 - - - - -	1					1	1					1
30 - - - - -	2					2	3					1
29 - - - - -	2					2	3					5
28 - - - - -	1					1	3					4
27 - - - - -	10					10	4					10
26 - - - - -	12					12	13					14
25 - - - - -	13					13	15					22
24 - - - - -	13					13	15					37
23 - - - - -	35					35	34		6			41
22 - - - - -	25					25	24					49
21 - - - - -	27					27	30					57
20 - - - - -	32					32	30		6			36
19 - - - - -	34					34	33					67
18 - - - - -	40					40	54		24			108
17 - - - - -	36					36	30			5		59
16 - - - - -	73	3	22	80	12	190	73		23	75	9	183
TOTAL - - - - -	379	11	110	105	21	626	375	9	110	102	22	618
BETHEL HARBOR, ALASKA												
TOTAL, 15 AND LESS - - - - -	24	18	84	82	34	244	26	18	83	82	34	245
CORDOVA HARBOR, ALASKA												
TOTAL, 20 AND LESS - - - - -	156	16	6			178	156	16	6			184
CRAIG HARBOR, ALASKA												
TOTAL, 13 AND LESS - - - - -	51		26	13	24	114	49		26	13	21	109
DILLINGHAM HARBOR, ALASKA												
TOTAL, 14 AND LESS - - - - -	12		32	39		83	11		35	34		82
DOUGLAS HARBOR, ALASKA												
NO VESSEL TRIPS REPORTED												
DRY PASS, ALASKA												
NO VESSEL TRIPS REPORTED												
EGESHY RIVER, ALASKA												
TOTAL, 14 AND LESS - - - - -	1		3			10	1		3			9
ELFIN COVE HARBOR, ALASKA												
TOTAL, 10 AND LESS - - - - -			3			7			3			7
HOMER, ALASKA												
TOTAL, 26 AND LESS - - - - -	166	10	20	9	4	209	166	9	24	9	4	212
MOONAH HARBOR, ALASKA												
TOTAL, 16 AND LESS - - - - -	236		41	14	17	308	238		37	14	17	306

* EXCLUDES DOMESTIC FISHING CRAFT.

ALASKA 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	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
JUNEAU HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 26 AND LESS - - - - -	639	19	181	114	66	1,019	633	18	181	109	64	1,005
KAKE HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 16 AND LESS - - - - -	115		34	29	16	194	116		34	29	15	194
KING COVE, ALASKA				INBOUND						OUTBOUND		
TOTAL, 17 AND LESS - - - - -	52	10	8	9		79	52	10	8	7		77
KODIAK HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 32 AND LESS - - - - -	244	21	43	28	13	349	244	21	46	20	12	343
KETLANATLA HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 29 AND LESS - - - - -	372		204	95	47	718	372		204	95	47	716
NAKNEK RIVER, ALASKA				INBOUND						OUTBOUND		
TOTAL, 13 AND LESS - - - - -	9		37	46	1	93	9		40	46	1	96
NINILCHIK HARBOR, ALASKA	NO VESSEL TRIPS REPORTED											
NOME HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 14 AND LESS - - - - -	10		32	17	5	64	9		31	16	5	61
OLD HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 10 AND LESS - - - - -	6	4				10	5	3				8
PELICAN HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 14 AND LESS - - - - -	21		13	11	11	56	21		13	12	11	57
PETERSBURG HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 21 AND LESS - - - - -	572		272	62	98	1,024	570		272	63	96	1,021
PORT ALEXANDER, ALASKA				INBOUND						OUTBOUND		
TOTAL, 10 AND LESS - - - - -			8		5	13			8		6	14
SELDOVIA HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 16 AND LESS - - - - -	57	3	11	3	8	82	56	3	11	3	7	80
SEWARD HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 30 AND LESS - - - - -	125	9	7	3	2	146	125	9	4	4	2	144
STIKINE RIVER, ALASKA				INBOUND						OUTBOUND		
TOTAL, 4 AND LESS - - - - -	6		39	90		135	6		39	90		135
OTHER SOUTHEASTERN ALASKA PORTS				INBOUND						OUTBOUND		
TOTAL, 32 AND LESS - - - - -	16,602	11	593	318	194	17,718	16,602	12	590	314	194	17,712
SOUTHERLY SIDE OF ALASKA PENINSULA				INBOUND						OUTBOUND		
TOTAL, 41 AND LESS - - - - -	573	180	141	49	24	967	572	185	142	50	24	973
WHITTIER HARBOR, ALASKA				INBOUND						OUTBOUND		
TOTAL, 24 AND LESS - - - - -	113	2	86	920	9	1,130	110	2	86	921	9	1,128

* EXCLUDES DOMESTIC FISHING CRAFT.

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