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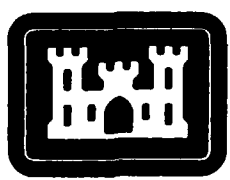
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WATERBORNE COMMERCE OF THE UNITED STATES

CALENDAR YEAR 1980

PART 4
WATERWAYS AND HARBORS
PACIFIC COAST, ALASKA AND HAWAII

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WATERBORNE COMMERCE OF THE UNITED STATES

CALENDAR YEAR 1980

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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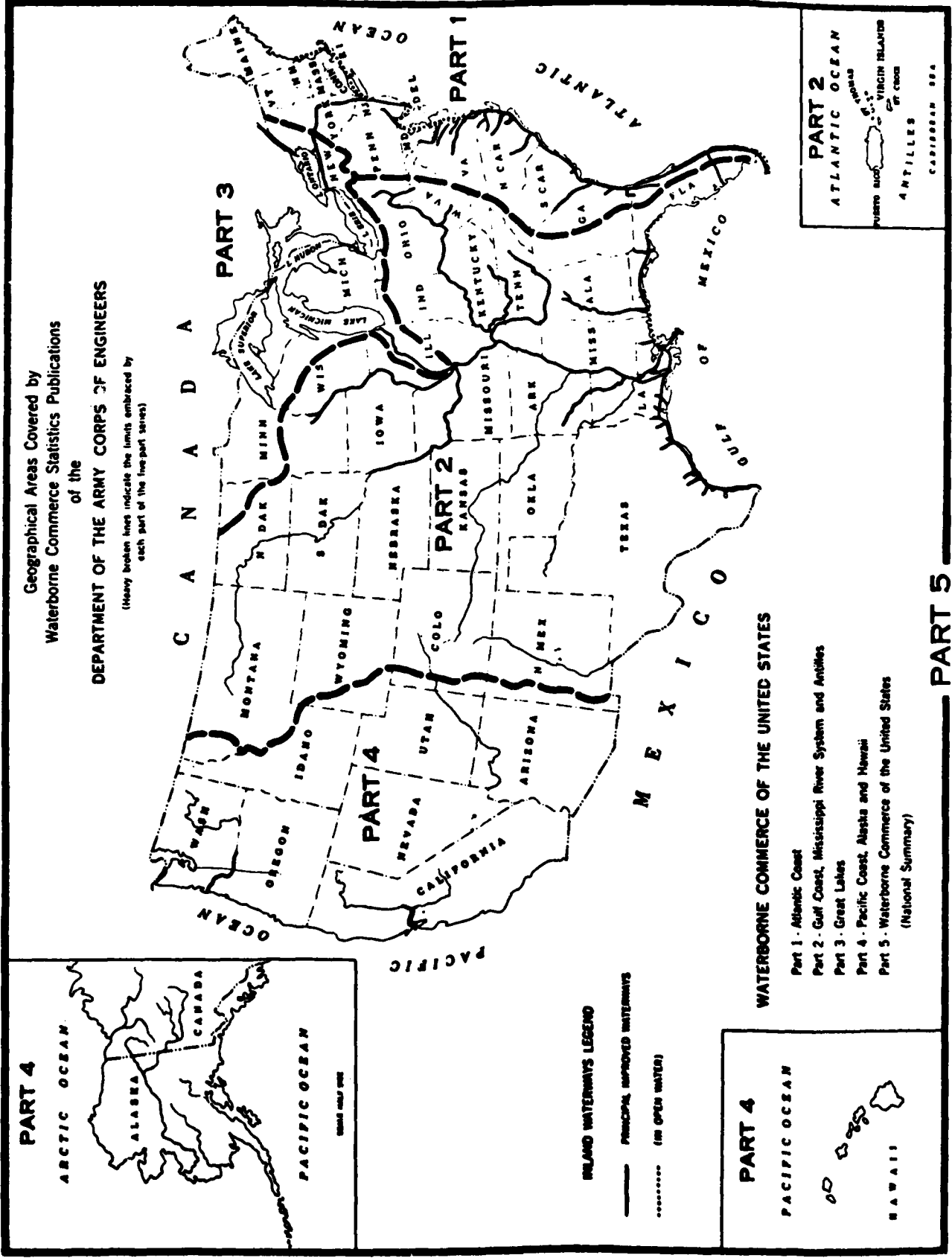
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Geographical Areas Covered by
Waterborne Commerce Statistics Publications

of the
DEPARTMENT OF THE ARMY CORPS OF ENGINEERS

(Heavy broken lines indicate the limits embraced by
each part of the five-part series)



PART 4

ARCTIC OCEAN

ALASKA

CANADA

PACIFIC OCEAN

1948 (MAY DATE)

INLAND WATERWAYS LEGEND

- PRINCIPAL IMPROVED WATERWAYS
- (IN OPEN WATER)

PART 4

PACIFIC OCEAN

HAWAII

WATERBORNE COMMERCE OF THE UNITED STATES

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

PART 2

ATLANTIC OCEAN

PUERTO RICO

ANTILLES

CARIBBEAN SEA

VIRGIN ISLANDS

ST. JOHN

ST. THOMAS

ST. CROIX

CONTENTS

	Page
Map of the United States showing geographical areas covered by each of the five Waterborne Commerce Statistics publications	II
Introduction	V
Explanation of Terms for Kind of Traffic.	VI
Commodity Classification for Domestic Waterborne Commerce	VII
SECTION 1. Comparative statements of commerce for preceding years and the detailed freight traffic for calendar year 1980 of waterways and harbors of the Pacific Coast, Alaska and Hawaii, arranged by U.S. Army Engineer Districts	1
Los Angeles, Calif.	3
Sacramento, Calif.	9
San Francisco, Calif.	15
Pacific Ocean Division.	29
Walla Walla, Wash.	38
Portland, Oreg.	40
Seattle, Wash.	62
Alaska.	76
SECTION 2. Trips and drafts of vessels for waterways and harbors of the Pacific Coast, Alaska and Hawaii, arranged by U. S. Army Engineer Districts.	95
Los Angeles, Calif.	97
Sacramento, Calif.	99
San Francisco, Calif.	101
Pacific Ocean Division.	105
Walla Walla, Wash.	107
Portland, Oreg.	108
Seattle, Wash.	114
Alaska.	118
Index.	123

III /iv

INTRODUCTION

This publication is one of a series containing statistics on the waterborne commerce of the United States during the calendar year 1980. 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:

Sec. 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 district court in the United States within whose territorial jurisdiction such offense may have been committed.

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

Waterborne traffic movements were reported to the Corps of Engineers by all vessel operators of record on prescribed forms approved by the Office of Management and Budget under the Federal Reports Act of 1942 for those movements of their vessels which were classified as domestic traffic; namely, between United States ports, continental and noncontiguous, and on the 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 1980 but not reported to the Corps of Engineers until after 28 February 1981 will be included in the next year's, 1981, statistics rather than in this publication, while reports of movements completed in 1979 but reported to the Corps after 28 February 1980 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 1980 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 1980 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% of the total number of towboat moves reported and the number of barge trips are derived from better than 85% 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 1980 in Bar Harbor, Lubec, Eastport and Portland Harbor.

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

SECTION 1 of this publication presents comparative statements of commerce for preceding years and the detailed freight traffic for calendar year 1980 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 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 con- fined to these areas is "internal" rather than "coastwise."

Lake-wise 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 as a single unit.

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

The terms "imports," "exports," "coastwise receipts," "coastwise shipments," "internal receipts," and "internal shipments" are used as at ports. Upbound and downbound—These terms are applied to movements within the confines of a river, intracoastal waterway, canal, or a segment of one of these channels as described in the "Section included" for each channel.

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

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

General Terms

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

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COMMODITY CLASSIFICATION FOR DOMESTIC WATERBORNE COMMERCE

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

Code No.	Item Name	Code No.	Item Name
Group 01-Farm Products		Group 21-Tobacco Products	
0101	Cotton, raw	2111	Tobacco manufactures
0102	Barley and rye	Group 22-Music Textiles	
0103	Corn	2211	Basic textile products, except textile fibers
0104	Oats	2212	Textile fibers not elsewhere classified
0105	Rice	Group 23-Apparel and Other Finished Textile Products Including Knit	
0106	Sorghum Grains	2311	Apparel and other finished textile products, including knit
0107	Wheat	Group 24-Lumber and Wood Products Except Furniture	
0111	Soybeans	2411	Logs
0112	Flaxseed	2412	Rafted logs
0119	Oilseeds, not elsewhere classified	2413	Fuel wood, charcoal, and wastes
0121	Tobacco, leaf	2414	Timber, posts, poles, piling, and other wood in the rough
0122	Hay and fodder	2415	Pulpwood, log
0129	Field crops, not elsewhere classified	2416	Wood chips, staves, moldings, and excelsior
0131	Fresh fruits, including imported bananas and plantains	2421	Lumber
0132	Bananas and plantains	2431	Veneer, plywood, and other worked wood
0133	Coffee, green and roasted (including instant)	2491	Wood manufactures, not elsewhere classified
0134	Cocoa beans	Group 25-Furniture and Fixtures	
0141	Fresh and frozen vegetables	2511	Furniture and fixtures
0151	Live animals (livestock) except zoo animals, cats, dogs, etc.	Group 26-Pulp, Paper and Allied Products	
0161	Animals and animal products, not elsewhere classified	2611	Pulp
0191	Miscellaneous farm products	2621	Standard newsprint paper
Group 08-Forest Products		2631	Paper and paperboard
0841	Crude rubber and allied gums	2691	Pulp, paper and paperboard products, not elsewhere classified
0861	Forest products, not elsewhere classified	Group 27-Printed Matter	
Group 09-Fresh Fish and Other Marine Products		2711	Printed matter
0911	Fresh fish, except shellfish	Group 28-Chemicals and Allied Products	
0912	Shellfish, except prepared or preserved	2810	Sodium hydroxide (caustic soda)
0913	Menhaden	2811	Crude products from coal tar, petroleum, and natural gas, except benzene and toluene
0931	Marine shells, unmanufactured	2812	Dyes, organic pigment, dyeing and tanning materials
Group 10-Metallic Ores		2813	Alcohols
1011	Iron ore and concentrates	2816	Radioactive and associated materials, including wastes
1021	Copper ore and concentrates	2817	Benzene and toluene, crude and commercially pure
1051	Bauxite and other aluminum ores and concentrates	2818	Sulphuric acid
1061	Manganese ores and concentrates	2819	Basic chemicals and basic chemical products, not elsewhere classified
1091	Nonferrous metal ores and concentrates, not elsewhere classified	2821	Plastic materials, regenerated cellulose and synthetic resins, including film, sheeting, and laminates
Group 11-Coal		2822	Synthetic rubber
1121	Coal and lignite	2823	Synthetic (man-made) fiber
Group 13-Crude Petroleum		2823	Drugs (biological products, medicinal chemicals, botanical products and pharmaceutical preparations)
1311	Crude petroleum	2841	Soap, detergents, and cleaning preparations; perfumes, cosmetics, and other toilet preparations
Group 14-Nonmetallic Minerals, Except Fuels		2851	Paints, varnishes, lacquers, enamels, and allied products
1411	Limestone flux and calcareous stone	2861	Gum and wood chemicals
1412	Building stone, unworked	2871	Nitrogenous chemical fertilizers, except mixtures
1442	Sand, gravel and crushed rock	2872	Potassic chemical fertilizers, except mixtures
1451	Clay, ceramic and refractory materials	2873	Phosphoric chemical fertilizers, except mixtures
1471	Phosphate rock	2876	Insecticides, fungicides, pesticides, and disinfectants
1479	Natural fertilizer materials, not elsewhere classified	2879	Fertilizers and fertilizer materials, not elsewhere classified
1491	Salt	2891	Miscellaneous chemical products
1492	Sulphur, dry	Group 29-Petroleum and Coal Products	
1493	Sulphur, liquid	2911	Gasoline, including natural gasoline
1494	Gypsum, crude and plasters	2912	Jet fuel
1499	Nonmetallic minerals, except fuels, not elsewhere classified	2913	Kerosene
Group 19-Ordnance and Accessories		2914	Distillate fuel oil
1911	Ordnance and accessories	2915	Residual fuel oil
Group 20-Food and Kindred Products		2916	Lubricating oils and greases
2011	Meat, fresh, chilled, or frozen	2917	Naphtha, mineral spirits, solvents, not elsewhere classified
2012	Meat and meat products prepared or preserved, including canned meat products	2918	Asphalt, tar, and pitches
2014	Tallow, animal fats and oils	2920	Coke, including petroleum coke
2015	Animal by-products, not elsewhere classified	2921	Liquefied petroleum gases, coal gases, natural gas, and natural gas liquids
2021	Dairy products, except dried milk and cream	2951	Asphalt building materials
2022	Dried milk and cream	2991	Petroleum and coal products, not elsewhere classified
2031	Fish and fish products, including shellfish, prepared or preserved	Group 30-Rubber and Miscellaneous Plastics Products	
2034	Vegetables and preparations, canned and otherwise prepared and preserved	3011	Rubber and miscellaneous plastics products
2039	Fruits, and fruit and vegetable juices, canned and otherwise prepared or preserved	Group 31-Leather and Leather Products	
2041	Wheat flour and semolina	3111	Leather and leather products
2042	Animal feeds		
2049	Grain mill products, not elsewhere classified		
2061	Sugar		
2062	Molasses		
2081	Alcoholic beverages		
2091	Vegetable oils, all grades; margarine and shortening		
2092	Animal oils and fats, not elsewhere classified, including marine		
2094	Groceries		
2095	Ice		
2099	Miscellaneous food products		

Code No.	Item Name	Code No.	Item Name
Group 32-Stone, Clay, Glass and Concrete Products		Group 37-Transportation Equipment	
3211	Glass and glass products	3711	Motor vehicles, parts and equipment
3241	Building cement	3721	Aircraft and parts
3251	Structural clay products, including refractories	3731	Ships and boats
3271	Lime	3791	Miscellaneous transportation equipment
3281	Cut stone and stone products	Group 38-Instruments, Photographic and Optical Goods, Watches and Clocks	
3291	Miscellaneous nonmetallic mineral products	3811	Instruments, photographic and optical goods, watches and clocks
Group 33-Primary Metal Products		Group 39-Miscellaneous Products of Manufacturing	
3311	Pig iron	3911	Miscellaneous products of manufacturing
3312	Slag	Group 40-Waste and Scrap Materials	
3313	Coke (coal and petroleum), petroleum pitches and asphalts, and naphtha and solvents	4011	Iron and steel scrap
3314	Iron and steel ingots, and other primary forms, including blanks for tube and pipe, and sponge iron	4012	Nonferrous metal scrap
3315	Iron and steel bars, rods, angles, shapes and sections, including sheet piling	4022	Textile waste, scrap, and sweepings
3316	Iron and steel plates and sheets	4024	Paper waste and scrap
3317	Iron and steel pipe and tube	4029	Waste and scrap, not elsewhere classified
3318	Ferrous alloys	Group 41-Special Items	
3319	Primary iron and steel products, not elsewhere classified including castings in the rough	4111	Water
3321	Nonferrous metals primary smelter product, basic shapes, wire castings and forgings, except copper, lead, zinc and aluminum	4112	Miscellaneous shipments not identifiable by commodity
3322	Copper and copper alloys, whether or not refined, unworked	4113	LCL freight
3323	Lead and zinc including alloys, unworked	4118	Materials used in waterway improvement, Government materials
3324	Aluminum and aluminum alloys, unworked	4119	Empty containers
Group 34-Fabricated Metal Products, Except Ordnance, Machinery and Transportation Equipment		9999*	Department of Defense controlled cargo and special category items
3411	Fabricated metal products, except ordnance, machinery, and transportation equipment	*Cargoes exported on Department of Defense controlled vessels (other than goods for the use of U.S. Armed Forces abroad) and non-Department of Defense shipments of military component items (abbreviated SCI) for which commodity detail is not furnished to the Corps of Engineers.	
Group 35-Machinery, Except Electrical			
3511	Machinery, except electrical		
Group 36-Electrical Machinery, Equipment and Supplies			
3611	Electrical machinery equipment and supplies		

Section 1
FREIGHT TRAFFIC

1/2

LOS ANGELES, CALIF., DISTRICT

3

SAN DIEGO HARBOR, CALIF.

SECTION INCLUDED: ENTIRE HARBOR, CONTROLLING AND PROJECT DEPTHS: 42 FEET IN ENTRANCE CHANNEL; 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
1971	1,809,371	1976	2,184,617
1972	1,666,283	1977	2,264,445
1973	2,063,356	1978	2,571,482
1974	2,115,874	1979	2,481,349
1975	2,351,306	1980	2,188,859

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INVERNAL
				RECEIPTS	SHIPMENTS	
TOTAL	2,188,859	245,396	989,108	690,642	132,718	138,995
0101 COTTON, RAW	25		25			
0103 CORN	42,095		42,095			
0104 OATS	19,283		19,283			
0107 WHEAT	249,319		249,319			
0129 FIELD CROPS, NEC	6					
0131 FRESH FRUITS AND TREE NUTS	10		10			
0861 FOREST PRODUCTS, NEC	131,006	11				130,995
0911 FRESH FISH, EXCEPT SHELLFISH	3,178	3,178				
1021 COPPER ORE AND CONCENTRATES	243,857		243,857			
1311 CRUDE PETROLEUM	36,090			36,090		
1471 PHOSPHATE ROCK	4,960	4,960				
1499 NONMETALLIC MINERALS, NEC	8,929		8,929			
2039 PREP FRUIT AND VEG JUICE, NEC	27					
2042 PREPARED ANIMAL FEEDS	26,092		26,092			
2062 MOLASSES	16,745	6,457	10,288			
2091 VEGETABLE OILS, MARG, SHORT	2					
2099 MISCELLANEOUS FOOD PRODUCTS	284	263				
2211 BASIC TEXTILE PRODUCTS	22	10				
2212 TEXTILE FIBERS, NEC	107		107			
2311 APPAREL	1	1				
2411 LOGS	93		93			
2421 LUMBER	156,972	15,549		138,920	2,503	
2491 WOOD MANUFACTURES, NEC	12					
2511 FURNITURE AND FIXTURES	12		3			
2631 PAPER AND PAPERBOARD	57,995	57,995				
2691 PULP AND PAPER PRODUCTS, NEC	117	31	86			
2711 PRINTED MATTER	2					
2812 DYES, PIGMENT, TANNING MATS	1					
2819 BASIC CHEMICALS AND PROD, NEC	17,070		17,070			
2821 PLASTIC MATERIALS	907		907			
2841 SOAP	24		24			
2861 GUM AND WOOD CHEMICALS	9,118			9,118		
2871 NITROGENOUS CHEM FERTILIZERS	42,746	42,746				
2873 PHOSPHATIC CHEM FERTILIZERS	233,742		233,742			
2876 INSECTICIDES, DISINFECTANTS	1					
2891 MISCELLANEOUS CHEMICAL PROD	49		49			
2911 GASOLINE	1					
2912 JET FUEL	100,618			79,994	20,624	
2913 KEROSENE	10,673			10,673		
2914 DISTILLATE FUEL OIL	80,112			80,112		
2919 RESIDUAL FUEL OIL	330,406			319,815	10,591	
2920 COKE, PETROLEUM COKE	2,756	2,756				
3011 RUBBER AND MISC PLASTIC PROD	141	18	123			
3111 LEATHER AND LEATHER PRODUCTS	3	3				
3211 GLASS AND GLASS PRODUCTS	6					
3241 BUILDING CEMENT	108,782	108,606	176			
3291 STRUCTURAL CLAY PRODUCTS	112	112				
3291 MISC NONMETALLIC MINERAL PROD	12	12				
3314 IRON AND STEEL PRIMARY FORMS	2					
3315 IRON, STEEL SHAPES, EXC SHEETS	8					
3316 IRON AND STEEL PLATES, SHEETS	790	762				
3317 IRON AND STEEL PIPE AND TUBE	2					
3319 IRON AND STEEL PRODUCTS, NEC	1,334		1,334			
3322 COPPER ALLOYS, UNWORKED	6	6				
3324 ALUMINUM AND ALLOYS, UNWORKED	1					
3411 FABRICATED METAL PRODUCTS	540	278	262			
3511 MACHINERY, EXCEPT ELECTRICAL	192	19	133			
3611 ELECTRICAL MACH AND EQUIP	435	427				
3711 MOTOR VEHICLES, PARTS, EQUIP	1,258	1,061	97			
3721 AIRCRAFT AND PARTS	99,006					99,008
3731 SHIPS AND BOATS	16,932		50	15,968		
3811 INSTR, TIME, PHOTO, OPT GOODS	20					
3911 MISC MANUFACTURED PRODUCTS	19					
4011 IRON AND STEEL SCRAP	135,156	30	135,126			
4012 NONFERROUS METAL SCRAP	44					
4022 TEXTILE WASTE, SCRAP, SWEEP	3					
4112 COMMODITIES, NEC	47	23				
9999 DEPARTMENT OF DEFENSE AND SCI	3					

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

LONG BEACH HARBOR, CALIF.

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

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	20,697,508	1976	31,457,099
1972	20,795,050	1977	32,985,424
1973	27,133,022	1978	31,586,404
1974	26,093,767	1979	33,347,303
1975	26,507,134	1980*	30,779,672

* PASSENGERS--444,796.

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL		
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS			
TOTAL	30,779,672	9,330,421	9,267,997	17,309,785	2,314,379	43,739	469,658	44,093
0101 COTTON, RAW	418,442	3	418,439					
0102 BARLEY AND RYE	42	1	41					
0103 CORN	1,981,308		1,981,172		136			
0104 OATS	571,191		571,191					
0105 RICE	1,047	137	910					
0107 WHEAT	235,745		235,745					
0111 SOYBEANS	9,422		9,422					
0119 OILSEEDS, NEC	8,735	85	8,650					
0121 TOBACCO, LEAF	23,691	23,687	4					
0129 FIELD CROPS, NEC	2,116	273	1,843					
0131 FRESH FRUITS AND TREE NUTS	619,903	256,563	363,012		328			
0133 COFFEE	11,014	10,794	215		45			
0134 COCOA BEANS	1,369	1,369						
0141 FRESH AND FROZEN VEGETABLES	11,173	1,048	9,325					
0151 LIVE ANIMALS	2		2					
0161 ANIMALS AND PRODUCTS, NEC	10,551	2,643	7,908					
0191 MISCELLANEOUS FARM PRODUCTS	489	302	187					
0841 CRUDE RUBBER AND ALLIED GUMS	6,812	6,794	18					
0841 FOREST PRODUCTS, NEC	4,767	3,182	1,585		30			
0911 FRESH FISH, EXCEPT SHELLFISH	53,565	52,338	1,227					
0912 SHELLFISH, EXCEPT PREPARED	8,773	5,787	2,986					
1021 COPPER ORE AND CONCENTRATES	92,922		92,922					
1031 ALUMINUM ORES, CONCENTRATES	1,574	265	1,309					
1091 NONFERROUS ORES, CONCENT, NEC	33,774	20,414	13,360					
1121 COAL AND LIGNITE	327,554	205	326,975		15	359		
1311 CRUDE PETROLEUM	20,632,708	3,613,981		15,589,377	931,905	26,044	456,615	32,986
1411 LIMESTONE	453,821	453,484	337					
1412 BUILDING STONE, UNWORKED	481		481					
1442 SAND, GRAVEL, CRUSHED ROCK	2,182	90	2,092					
1451 CLAY	7,399	3,264	4,135					
1471 PHOSPHATE ROCK	1,788		1,788					
1491 SALT	190,376	190,390	23			3		
1492 SULPHUR, DRY	553		553					
1494 GYPSUM, CRUDE AND PLASTERS	1,057				1,057			
1499 NONMETALLIC MINERALS, NEC	129,835	31	129,781			23		
1911 ORDNANCE AND ACCESSORIES	799	281	479			39		
2011 MEAT, FRESH, CHILLED, FROZEN	81,026	35,836	45,144			25		
2012 MEAT AND PRODUCTS, NEC	6,211	5,360	851					
2014 TALLOW, ANIMAL FATS AND OILS	58,710		58,710					
2015 ANIMAL BY-PRODUCTS, NEC	66,240	196	66,044					
2021 DAIRY PRODUCTS, NEC	2,431	1,217	1,125		39	54		
2022 DRIED MILK AND CREAM	736	20	530			186		
2031 FISH AND SHELLFISH, PREPARED	16,918	14,272	2,599			47		
2034 VEGETABLES AND PREP, NEC	39,350	29,844	5,314			4,148		
2039 PREP FRUIT AND VEG JUICE, NEC	52,284	21,645	30,451			83		
2041 WHEAT FLOUR AND SEMOLINA	97		15			82		
2042 PREPARED ANIMAL FEEDS	96,183	191	95,992					
2049 GRAIN MILL PRODUCTS, NEC	18,406	5,365	12,951			98		
2061 SUGAR	177	121	44			12		
2062 MOLASSES	1	1						
2081 ALCOHOLIC BEVERAGES	80,434	59,314	12,912		1,308	6,908		
2091 VEGETABLE OILS, MARG, SHORT	56,799	33,394	22,436			969		
2092 ANIMAL OILS AND FATS, NEC	297	297						
2094 GROCERIES	402					402		
2099 MISCELLANEOUS FOOD PRODUCTS	42,080	28,314	31,937		173	1,856		
2111 TOBACCO MANUFACTURES	399	240	58		44	57		
2211 BASIC TEXTILE PRODUCTS	49,396	40,315	7,421			1,660		
2212 TEXTILE FIBERS, NEC	11,141	4,714	6,427					
2311 APPAREL	79,486	78,199	1,287					
2411 LOGS	1,091	23	1,068					
2413 FUEL WOOD, CHARCOAL, WASTES	149	41	108					
2414 TIMBER, POSTS, POLES, PILING	142	81	61					
2416 WOOD CHIPS, STAVES, MOLDINGS	5,299	4,957	302					
2421 LUMBER	222,661	61,565	2,207		196,507	2,382		
2431 VENEER, PLYWOOD, WORKED WOOD	37,547	37,500	47					
2491 WOOD MANUFACTURES, NEC	24,865	21,282	3,195			388		
2511 FURNITURE AND FIXTURES	50,233	47,168	1,543			1,920		
2611 PULP	2,538	1,239	1,299					
2631 PAPER AND PAPERBOARD	279,093	261,315	17,528			850		
2691 PULP AND PAPER PRODUCTS, NEC	15,443	3,036	6,366			4,841		
2711 PRINTED MATTER	6,915	3,694	2,691			23		
2810 SODIUM HYDROXIDE	731				731			
2811 CRUDE TAR, OIL, GAS PRODUCTS	12		12					
2812 DYES, PIGMENT, TANNING AGENTS	216		216					
2813 ALCOHOLS	422		195			227		

LOS ANGELES, CALIF., DISTRICT

LONG BEACH HARBOR, CALIF.,--CONTINUED

FREIGHT TRAFFIC, 1988--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
2817 BENZENE AND TOLUENE	19,302				17,783		1,519	
2818 SULPHURIC ACID	24				24			
2819 BASIC CHEMICALS AND PROD, NEC	581,453	22,786	392,618	111,979	54,070			
2821 PLASTIC MATERIALS	159,387	27,392	139,904		1,091			
2822 SYNTHETIC RUBBER	13,088							
2823 SYNTHETIC (MAN-MADE) FIBERS	4,030	1,578	2,452					
2831 DRUGS	2,675	1,030	1,386	157	102			
2841 SOAP	12,682	1,194	8,285	27	3,216			
2851 PAINTS	18,372	8,183	8,978		1,211			
2861 GUM AND WOOD CHEMICALS	1,794	645	1,149					
2871 NITROGENOUS CHEM FERTILIZERS	5,863	35	29	5,799				
2872 POTASSIC CHEM FERTILIZERS	652		652					
2873 PHOSPHATIC CHEM FERTILIZERS	172,363	81	172,282					
2876 INSECTICIDES, DISINFECTANTS	8,284	266	7,986		32			
2879 FERTILIZER AND MATERIALS, NEC	35,663	76	5,334		30,253			
2891 MISCELLANEOUS CHEMICAL PROD	19,352	2,939	13,284		3,129			
2911 GASOLINE	409,498	31,500	27,516	260,456	88,662		9,324	
2912 JET FUEL	182,412			192,062	30,350			
2913 KEROSENE	1,820		75		1,745			
2914 DISTILLATE FUEL OIL	750,296	84,143	62	388,708	248,981	17,695		11,107
2915 RESIDUAL FUEL OIL	2,003,041	768,140	56,963	399,384	818,554			
2916 LUBRICATING OILS AND GREASES	269,264	44,870	140,028	65,606	18,760			
2917 NAPHTHA, PETROLEUM SOLVENTS	19,551			16,717	2,834			
2918 ASPHALT, TAR, AND PITCHES	887		856		31			
2920 COKE, PETROLEUM COKE	2,801,788		2,801,787		1			
2921 LIQUEFIED GASES	296		296					
2951 ASPHALT BUILDING MATERIALS	594		571	3	20			
2991 PETROLEUM AND COAL PROD, NEC	896	27	665		204			
3011 RUBBER AND MISC PLASTIC PROD	118,270	182,440	14,719	10	1,101			
3111 LEATHER AND LEATHER PRODUCTS	60,461	97,782	2,759					
3211 GLASS AND GLASS PRODUCTS	19,252	14,305	3,998		957			
3241 BUILDING CEMENT	199,039	114,697	340	83,747	255			
3251 STRUCTURAL CLAY PRODUCTS	40,860	37,399	3,378		123			
3271 LIME	63				63			
3281 CUT STONE AND STONE PRODUCTS	13,944	13,644	300					
3291 MISC NONMETALLIC MINERAL PROD	44,016	33,620	6,082	4,000	314			
3312 SLAG	19				19			
3314 IRON AND STEEL PRIMARY FORMS	1,724	1,591	133					
3315 IRON, STEEL SHAPES, EXC SHEET	1,086,108	1,080,530	5,578					
3316 IRON AND STEEL PLATES, SHEETS	10,028	4,971	4,061		196			
3317 IRON AND STEEL PIPE AND TUBE	283,602	279,333	4,257	4	8			
3318 FERROALLOYS	15,242	14,915	327					
3319 IRON AND STEEL PRODUCTS, NEC	19,351	16,924	2,427					
3321 NONFERROUS METALS, NEC	12,339	6,492	5,847					
3322 COPPER ALLOYS, UNWORKED	17,319	7,366	9,953		42			
3323 LEAD AND ZINC, UNWORKED	6,988	4,521	2,343		63			
3324 ALUMINUM AND ALLOYS, UNWORKED	53,101	13,228	39,810		3,945			
3411 FABRICATED METAL PRODUCTS	210,062	187,113	19,004		1,982			
3511 MACHINERY, EXCEPT ELECTRICAL	191,931	125,028	69,321		694			
3611 ELECTRICAL MACH AND EQUIP	279,340	293,398	25,248		17			
3711 MOTOR VEHICLES, PARTS, EQUIP	385,327	364,717	18,127		2,466			
3721 AIRCRAFT AND PARTS	102,212	502	2,667	99,000	23			
3731 SHIPS AND BOATS	15,863	3,942	884	11,029	8			
3791 MISC TRANSPORTATION EQUIPMENT	2,809	1,134	1,662		13			
3811 INSTR, TIME, PHOTO, OPT GOODS	14,822	10,826	3,996					
3911 MISC MANUFACTURED PRODUCTS	136,438	126,590	5,735		4,153			
4011 IRON AND STEEL SCRAP	124,260	3,084	121,256					
4012 NONFERROUS METAL SCRAP	87,718	6,713	81,005					
4022 TEXTILE WASTE, SCRAP, SWEEP	4,662	61	4,597		4			
4024 PAPER WASTE AND SCRAP	370,931		370,931					
4112 COMMODITIES, NEC	58,451	18,123	3,351	2,646	26,331			
9999 DEPARTMENT OF DEFENSE AND SCI	2,376		2,376					

LOS ANGELES HARBOR, CALIF.

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

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	23,491,888	403,181	1976	30,931,489	342,468
1972	23,836,690	688,643	1977	31,325,506	603,447
1973	25,977,491	708,132	1978	32,827,478	586,931
1974	25,919,367	85,982	1979	31,749,483	624,289
1975	30,746,362	117,312	1980	30,151,053	699,175

LOS ANGELES, CALIF., DISTRICT

LOS ANGELES HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL	
		IMPORTS	EXPORTS	INTERNAL			
				RECEIPTS	SHIPMENTS		
2911 GASOLINE	1,835,988	14,395	1,220	1,493,198	317,451	9,324	
2912 JET FUEL	209,977			200,274	89,763		
2913 KEROSENE	31,996				31,996		
2914 DISTILLATE FUEL OIL	1,180,811		18	359,332	797,846		5,926
2915 RESIDUAL FUEL OIL	4,950,389		246,248	2,403,988	2,308,093		17,699
2916 LUBRICATING OILS AND GREASES	626,959	228,998	124,198	216,027	57,426		
2917 NAPHTHA, PETROLEUM SOLVENTS	120,350			110,968	9,382		
2918 ASPHALT, TAR, AND PITCHES	79,263	5	665	7,200	71,393		
2920 COKE, PETROLEUM COKE	281,663	14,537	267,126				
2921 LIQUEFIED GASES	289	3	282				
2921 ASPHALT BUILDING MATERIALS	1,163		587		576		
2991 PETROLEUM AND COAL PROD, NEC	26,650	491	358	18,375	7,226		
3011 RUBBER AND MISC PLASTIC PROD	134,450	113,592	15,264	399	5,239		
3111 LEATHER AND LEATHER PRODUCTS	63,063	59,230	3,853				
3211 GLASS AND GLASS PRODUCTS	24,432	17,771	2,111	493	4,057		
3241 BUILDING CEMENT	267,279	258,981	670	228	7,408		
3251 STRUCTURAL CLAY PRODUCTS	55,734	52,088	665		2,083		
3281 CUT STONE AND STONE PRODUCTS	9,916	7,790	53		1,673		
3291 MISC NONMETALLIC MINERAL PROD	104,112	93,764	2,441		47,967		
3312 SLAG	131				131		
3314 IRON AND STEEL PRIMARY FORMS	29,973	2,784	18,148		8,641		
3315 IRON, STEEL SHAPES, EXC SHEET	631,823	629,320	2,403		100		
3316 IRON AND STEEL PLATES, SHEETS	74,033	60,672	4,784	167	8,410		
3317 IRON AND STEEL PIPE AND TUBE	209,269	190,287	19,420		3,642		
3318 FERROALLOYS	4,495	4,414	81				
3319 IRON AND STEEL PRODUCTS, NEC	18,987	10,282	7,201		1,504		
3321 NONFERROUS METALS, NEC	10,346	6,093	3,970		323		
3322 COPPER ALLOYS, UNWORKED	26,250	10,382	19,948				
3323 LEAD AND ZINC, UNWORKED	13,601	11,630	1,924		47		
3324 ALUMINUM AND ALLOYS, UNWORKED	39,304	3,523	35,781				
3411 FABRICATED METAL PRODUCTS	276,723	252,375	18,059	431	5,058		
3511 MACHINERY, EXCEPT ELECTRICAL	233,978	160,261	69,289	1,523	2,505		
3611 ELECTRICAL MACH AND EQUIP	369,040	247,943	27,144	16,730	17,223		
3711 MOTOR VEHICLES, PARTS, EQUIP	503,352	495,741	14,134	15,767	17,710		
3721 AIRCRAFT AND PARTS	5,192	631	4,332		28		
3731 SHIPS AND BOATS	5,699	4,089	1,326		34		
3791 MISC TRANSPORTATION EQUIPMENT	2,326	593	1,725		4		
3811 INSTR, TIME, PHOTO, OPT GOODS	22,572	10,368	4,204				
3911 MISC MANUFACTURED PRODUCTS	122,398	102,285	7,315	3,615	9,183		
4011 IRON AND STEEL SCRAP	885,427	23	881,276	4,128			
4012 NONFERROUS METAL SCRAP	68,429	2,221	66,208				
4022 TEXTILE WASTE, SCRAP, SWEEP	11,993	5	11,988				
4024 PAPER WASTE AND SCRAP	269,729		269,729				
4112 COMMODITIES, NEC	180,776	16,825	3,463	5,691	154,799		
4119 EMPTY CONTAINERS	1,982			1,502	480		
9999 DEPARTMENT OF DEFENSE AND SCI	4,309		4,309				

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
1971	157,783	1976	1,452,057
1972	173,110	1977	1,875,743
1973	1,109,381	1978	958,669
1974	984,668	1979	1,180,424
1975	1,007,154	1980	1,405,744

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		RECEIPTS
		IMPORTS	EXPORTS	INTERNAL		
				RECEIPTS	SHIPMENTS	
TOTAL	1,405,744	110,563	8,879	1,265,308	3,622	17,292
0131 FRESH FRUITS AND TREE NUTS	84,118	81,846	2,272			
0161 ANIMALS AND PRODUCTS, NEC	4,261		4,861			
0861 FOREST PRODUCTS, NEC	17,292					17,292
1311 CRUDE PETROLEUM	74,069			74,069		
1491 CLAY	168		168			
2011 MEAT, FRESH, CHILLED, FROZEN	39	39				
2039 PNEP FRUIT AND VEG JUICE, NEC	755		755			
2211 BASIC TEXTILE PRODUCTS	1	1				
2311 APPAREL	1	1				
2421 LUMBER	12,881	1,061		11,050		
2819 BASIC CHEMICALS AND PROD, NEC	13	13				
2914 DISTILLATE FUEL OIL	17,908			17,908		
2915 RESIDUAL FUEL OIL	1,162,271			1,162,271		
3011 RUBBER AND MISC PLASTIC PROD	183		183			
3241 BUILDING CEMENT	71		71			

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

PORT HUENEME, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
3201 CUT STONE AND STONE PRODUCTS-----	3	3				
3321 NONFERROUS METALS, NEC-----	120			120		
3411 FABRICATED METAL PRODUCTS-----	3,622				3,622	
3911 MACHINERY, EXCEPT ELECTRICAL-----	941	74	867			
3611 ELECTRICAL MACH AND EQUIP-----	117		117			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	26,732	26,725	7			
4824 PAPER WASTE AND SCRAP-----	178		178			

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT				
MISSION BAY, CALIF.-----	NO COMMERCE REPORTED			
MORRO BAY HARBOR, CALIF.-----	NO COMMERCE REPORTED			
NEWPORT BAY HARBOR, CALIF.-----	NO COMMERCE REPORTED			
REBONDO BEACH, CALIF.-----	NO COMMERCE REPORTED			
SANTA BARBARA HARBOR, CALIF.-----	3411 FABRICATED METAL PRODUCTS-----	3,033		
NONPROJECT				
ENCINA, CALIF.-----	2914 DISTILLATE FUEL OIL-----	102,230		
	2915 RESIDUAL FUEL OIL-----	994,563		
	TOTAL-----	1,096,801		

SACRAMENTO, CALIF., DISTRICT

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

SECTION INCLUDED: FROM MOUTH OF RIVER TO RED BLUFF VIA RIVER ROUTE; A DISTANCE OF 248 MILES; FROM MOUTH OF CACHE SLOUGH TO WASHINGTON LAKE VIA SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, A DISTANCE OF 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 LANDINGS, 3 FEET; CHICO LANDINGS 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; 9 FEET FROM COLUSA TO CHICO LANDINGS; SUCH DEPTHS AS PRACTICABLE FROM CHICO LANDINGS TO RED BLUFF.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	4,920,485	1976	1,756,851
1972	1,776,489	1977	1,602,291
1973	2,044,319	1978	1,760,717
1974	1,405,344	1979	2,069,089
1975	1,788,043	1980	2,964,769

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COUNTY		
				RECEIPTS	SHIPMENTS	
				INBOUND	INBOUND	
TOTAL	2,964,769	120,299	2,489,175	335,420	3,980	15,967
0103 CORN	61,187		61,187			
0105 RICE	833,036		833,036			
0107 WHEAT	529,139		529,139			
0129 FIELD CROPS, NEC	30					
0131 FRESH FRUITS AND TREE NUTS	17					
0133 COFFEE	11					
0141 FRESH AND FROZEN VEGETABLES	2					
1091 ALUMINUM ORES, CONCENTRATES	3,306	3,306				
1442 SAND, GRAVEL, CRUSHED ROCK	19,667					19,667
1451 CLAY	3,356			3,356		
1499 NONMETALLIC MINERALS, NEC	394					
1911 ORDNANCE AND ACCESSORIES	1					
2019 ANIMAL BY-PRODUCTS, NEC	113					
2034 VEGETABLES AND PREP, NEC	20	20				
2039 PREP FRUIT AND VEG JUICE, NEC	20					
2042 PREPARED ANIMAL FEEDS	20					
2049 GRAIN MILL PRODUCTS, NEC	87,181		87,181			
2091 VEGETABLE OILS, MARG, SHORT	1					
2099 MISCELLANEOUS FOOD PRODUCTS	49					
2211 BASIC TEXTILE PRODUCTS	70					
2311 APPAREL	1					
2411 LOGS	87,921		87,921			
2416 WOOD CHIPS, STAVES, HOLDINGS	723,913		723,913			
2431 VENEER, PLYWOOD, WORKED WOOD	99					
2491 WOOD MANUFACTURES, NEC	21					
2611 PULP	17,091		17,091			
2631 PAPER AND PAPERBOARD	2,243					
2691 PULP AND PAPER PRODUCTS, NEC	4					
2711 PRINTED MATTER	9					
2811 CRUDE TAR, OIL, GAS PRODUCTS	6					
2819 BASIC CHEMICALS AND PROD, NEC	290,708		1,356	249,349		
2821 PLASTIC MATERIALS	40	23				
2831 DRUGS	6					
2841 SOAP	30					
2851 PAINTS	29	22				
2871 NITROGENOUS CHEM FERTILIZERS	198,244	100,265		86,079	3,980	
2876 INSECTICIDES, DISINFECTANTS	2					
2879 FERTILIZER AND MATERIALS, NEC	9,930	9,009				
2891 MISCELLANEOUS CHEMICAL PROD	11					
2920 COKE, PETROLEUM COKE	146,244		146,244			
3011 RUBBER AND MISC PLASTIC PROD	10					
3211 GLASS AND GLASS PRODUCTS	1					
3291 MISC NONMETALLIC MINERAL PROD	3					
3315 IRON, STEEL SHAPES, EXC SHEET	3,000	3,000				
3316 IRON AND STEEL PLATES, SHEETS	689					
3317 IRON AND STEEL PIPE AND TUBE	312					
3319 IRON AND STEEL PRODUCTS, NEC	34					
3321 NONFERROUS METALS, NEC	2					
3411 FABRICATED METAL PRODUCTS	498	132				366
3511 MACHINERY, EXCEPT ELECTRICAL	482			483		
3611 ELECTRICAL MACH AND EQUIP	10					
3711 MOTOR VEHICLES, PARTS, EQUIP	340		337			
3731 SHIPS AND BOATS	9					
3811 INSTR, TIME, PHOTO, OPT GOODS	3					
3911 MISC MANUFACTURED PRODUCTS	21					
9999 DEPARTMENT OF DEFENSE AND SCI	51					
TOTAL TON-MILES	126,159,246					

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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

SECTION INCLUDED: A DEEPWATER SHIP CHANNEL FROM SWISUM 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
1971	1,490,879	1976	1,622,149
1972	1,478,845	1977	1,481,228
1973	1,612,354	1978	1,550,142
1974	1,390,789	1979	1,779,124
1975	1,695,400	1980	2,948,882

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL	2,948,882	128,899	2,489,175	335,428	3,900
0103 CORN	61,187		61,187		
0105 RICE	833,036		833,036		
0107 WHEAT	529,139		529,139		
0109 FIELD CROPS, NEC	30		30		
0131 FRESH FRUITS AND TREE NUTS	17		17		
0133 COFFEE	11		11		
0141 FRESH AND FROZEN VEGETABLES	2		2		
1091 ALUMINUM ORES, CONCENTRATES	3,306	3,306			
1451 CLAY	3,356		3,356		
1499 NONMETALLIC MINERALS, NEC	394		394		
1911 ORDNANCE AND ACCESSORIES	1		1		
2019 ANIMAL BY-PRODUCTS, NEC	113		113		
2014 VEGETABLES AND PREP, NEC	20	20			
2039 PREP FRUIT AND VEG JUICE, NEC	20		20		
2042 PREPARED ANIMAL FEEDS	87,181		87,181		
2049 GRAIN MILL PRODUCTS, NEC	1	1			
2091 VEGETABLE OILS, MARG, SHORT	6		6		
2099 MISCELLANEOUS FOOD PRODUCTS	49	9	40		
2211 BASIC TEXTILE PRODUCTS	70	31	39		
2311 APPAREL	1		1		
2411 LOGS	87,921		87,921		
2416 WOOD CHIPS, STAVES, HOLDINGS	723,513		723,513		
2431 VENEER, PLYWOOD, WORKED WOOD	99	99			
2491 WOOD MANUFACTURES, NEC	21		21		
2611 PULP	17,851		17,851		
2631 PAPER AND PAPERBOARD	2,242	2,242			
2691 PULP AND PAPER PRODUCTS, NEC	4		4		
2711 PRINTED MATTER	3		3		
2811 CRUDE TAR, OIL, GAS PRODUCTS	6		6		
2819 BASIC CHEMICALS AND PROD, NEC	250,708	3	1,356	249,349	
2821 PLASTIC MATERIALS	48	23	17		
2831 DRUGS	8		8		
2841 SOAP	36		36		
2851 PAINTS	25	2	3		
2871 NITROGENOUS CHEM FERTILIZERS	190,244	180,265		86,079	3,900
2876 INSECTICIDES, DISINFECTANTS	2		2		
2879 FERTILIZER AND MATERIALS, NEC	9,030	9,009		21	
2891 MISCELLANEOUS CHEMICAL PROD	11		11		
2920 COKE, PETROLEUM COKE	146,244		146,244		
3011 RUBBER AND MISC PLASTIC PROD	16	1	15		
3211 GLASS AND GLASS PRODUCTS	1		1		
3291 MISC NONMETALLIC MINERAL PROD	3	1	2		
3319 IRON, STEEL SHAPES, EXC SHEET	3,090	3,089		1	
3316 IRON AND STEEL PLATES, SHEETS	689	469	220		
3317 IRON AND STEEL PIPE AND TUBE	312	302	10		
3319 IRON AND STEEL PRODUCTS, NEC	34		34		
3321 NONFERROUS METALS, NEC	2		2		
3411 FABRICATED METAL PRODUCTS	150	132	18		
3511 MACHINERY, EXCEPT ELECTRICAL	422	19	403		
3611 ELECTRICAL MACH AND EQUIP	16	2	14		
3711 MOTOR VEHICLES, PARTS, EQUIP	340	337	3		
3731 SHIPS AND BOATS	9	9			
3811 INSTR, TIME, PHOTO, OPT GOODS	3		3		
3911 MISC MANUFACTURED PRODUCTS	21	9	12		
9999 DEPARTMENT OF DEFENSE AND SCI	91		91		
TOTAL TON-MILES,	120,980,882.				

SACRAMENTO, CALIF., DISTRICT

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

SECTION INCLUDED: A TRIANGULAR-SHAPED HARBOR AND TURNING BASIN AT WASHINGTON LAKE, WEST SACRAMENTO, ADJACENT TO CHANNEL; A CONNECTING BARGE CANAL TO THE SACRAMENTO RIVER SHALLOW DRAFT CHANNEL; THENCE UPSTREAM TO A POINT APPROXIMATELY 6.6 MILES UPSTREAM AT BRYTE; CONTROLLING DEPTH: 29 FEET IN THE DEEPWATER CHANNEL HARBOR AND TURNING BASIN; 13 FEET IN THE CONNECTING BARGE CANAL; 10 FEET IN THE SHALLOW DRAFT CHANNEL. PROJECT DEPTH: 30 FEET IN THE DEEPWATER CHANNEL HARBOR AND TURNING BASIN; 13 FEET IN THE CONNECTING BARGE CANAL; 10 FEET IN THE SHALLOW DRAFT CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	1,437,994	1976	1,622,313
1972	1,392,640	1977	1,481,691
1973	1,488,746	1978	1,637,631
1974	1,346,899	1979	2,039,779
1975	1,696,827	1980	2,946,822

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL	2,946,822	188,299	2,489,179	339,428	3,908
0103 CORN	61,187		61,187		
0105 RICE	833,836		833,836		
0107 WHEAT	925,130		925,130		
0129 FIELD CROPS, NEC	30		30		
0131 FRESH FRUITS AND TREE NUTS	17		17		
0133 COFFEE	11		11		
0141 FRESH AND FROZEN VEGETABLES	2		2		
1091 ALUMINUM ORES, CONCENTRATES	3,396	3,396			
1491 CLAY	3,396		3,396		
1499 NONMETALLIC MINERALS, NEC	394		394		
1911 ORDNANCE AND ACCESSORIES	1		1		
2015 ANIMAL BY-PRODUCTS, NEC	113		113		
2034 VEGETABLES AND PREP, NEC	20	20			
2039 PREP FRUIT AND VEG JUICE, NEC	20		20		
2042 PREPARED ANIMAL FEEDS	87,181		87,181		
2049 GRAIN MILL PRODUCTS, NEC	1	1			
2091 VEGETABLE OILS, MARG, SHORT	6		6		
2099 MISCELLANEOUS FOOD PRODUCTS	45	9	40		
2211 BASIC TEXTILE PRODUCTS	70	31	39		
2311 APPAREL	1	1			
2411 LOGS	87,921		87,921		
2416 WOOD CHIPS, STAVES, HOLDINGS	723,913		723,913		
2431 VENEER, PLYWOOD, WORKED WOOD	99	99			
2491 WOOD MANUFACTURES, NEC	21		21		
2611 PULP	17,891		17,891		
2631 PAPER AND PAPERBOARD	2,242	2,242			
2691 PULP AND PAPER PRODUCTS, NEC	4		4		
2711 PRINTED MATTER	5	4	1		
2811 CRUDE TAR, OIL, GAS PRODUCTS	6		6		
2819 BASIC CHEMICALS AND PROD, NEC	250,708	3	1,396	249,349	
2821 PLASTIC MATERIALS	40	23	17		
2831 DRUGS	8	2	6		
2841 SOAP	36		36		
2891 PAINTS	25	22	3		
2871 NITROGENOUS CHEM FERTILIZERS	190,244	188,299		86,679	3,908
2876 INSECTICIDES, DISINFECTANTS	2		2		
2879 FERTILIZER AND MATERIALS, NEC	9,930	9,909	21		
2891 MISCELLANEOUS CHEMICAL PROD	11		11		
2920 COKE, PETROLEUM COKE	146,244		146,244		
3011 RUBBER AND MISC PLASTIC PROD	16	1	15		
3211 GLASS AND GLASS PRODUCTS	1		1		
3291 MISC NONMETALLIC MINERAL PROD	3	1	2		
3315 IRON, STEEL SHAPES, EXC SHEET	3,089	3,089			
3316 IRON AND STEEL PLATES, SHEETS	469	469	228		
3317 IRON AND STEEL PIPE AND TUBE	312	302	10		
3319 IRON AND STEEL PRODUCTS, NEC	34		34		
3321 NONFERROUS METALS, NEC	2		2		
3411 FABRICATED METAL PRODUCTS	190	132	58		
3511 MACHINERY, EXCEPT ELECTRICAL	422	19	403		
3611 ELECTRICAL MACH AND EQUIP	14	2	12		
3711 MOTOR VEHICLES, PARTS, EQUIP	348	337	11		
3731 SHIPS AND BOATS	5	5			
3811 INSTR, TIME, PHOTO, OPT GOODS	3		3		
3911 MISC MANUFACTURED PRODUCTS	21	9	12		
9999 DEPARTMENT OF DEFENSE AND SCI	51		51		

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

SAN JOAQUIN RIVER, CALIF. (INCLUDING COMMERCE OF PART OF STOCKTON, CALIF.)

SECTION INCLUDES: FROM MOUTH OF NEW YORK SLOUGH TO CITY OF STOCKTON, 41 MILES; FROM STOCKTON CHANNEL TO HILLS FERRY, 84 MILES. CONTROLLING DEPTH: MOUTH OF RIVER TO HORNOM CHANNEL, STOCKTON, 29 FEET; OTHER CONNECTING CHANNELS, 2 FEET TO 9 FEET; TO EDISON STREET, 29 FEET. PROJECT DEPTH: 30 FEET FROM THE MOUTH OF NEW YORK SLOUGH TO HORNOM CHANNEL AT STOCKTON; 30 FEET FROM HORNOM CHANNEL TO EDISON STREET; OTHER CONNECTING CHANNELS, 9 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	6,839,741	1976	4,643,914
1972	3,025,392	1977	3,907,137
1973	3,704,593	1978	2,636,522
1974	3,722,780	1979	3,104,958
1975	4,124,421	1980	3,920,171

FREIGHT TRAFFIC, 1980
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		INTERNAL	THROUGH DOWNBOUND	
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	SHIPMENTS			INBOUND
TOTAL	3,920,171	846,591	1,788,209	299,241	62,974	513,137	2,000	410,419
0101 COTTON, RAW	22,118		22,118					
0102 COTON	161,701		161,701					
0103 OATS	22,047		22,047					
0109 RICE	20,242		20,242					
0107 WHEAT	501,499		501,499					
0119 OILSEEDS, NEC	4,371		4,371					
0129 FIELD CROPS, NEC	29		29					
0131 FRESH FRUITS AND TREE NUTS	308		308					
0141 FRESH AND FROZEN VEGETABLES	20		20					
0841 CRUDE RUBBER AND ALLIED BUMS	41		41					
0841 FOREST PRODUCTS, NEC	2,000		2,000					
0911 FRESH FISH, EXCEPT SHELLFISH	1,046		1,046					
1091 ALUMINUM ORES, CONCENTRATES	46,226	46,226						
1091 NONFERROUS ORES, CONCENT, NEC	5,367	5,367						
1411 LIMESTONE	469,063	469,063						
1442 SAND, GRAVEL, CRUSHED ROCK	75,127	75,127				326,697		410,419
1451 CLAY	75,127		75,127					
1471 PHOSPHATE ROCK	49,843		49,843					
1491 SALT	186,480		186,480			186,480		
1492 SULPHUR, DRY	177,353		177,353					
1499 NONMETALLIC MINERALS, NEC	14	14						
2011 MEAT, FRESH, CHILLED, FROZEN	37		37					
2012 MEAT AND PRODUCTS, NEC	43		43					
2014 TALLOW, ANIMAL FATS AND OILS	766		766					
2022 DRIED MILK AND CREAM	5,687		5,687					
2031 FISH AND SHELLFISH, PREPARED	9		9					
2034 VEGETABLES AND PREP, NEC	121		121					
2039 PREP FRUIT AND VEG JUICE, NEC	186		186					
2042 PREPARED ANIMAL FEEDS	39,359		39,359					
2049 GRAIN MILL PRODUCTS, NEC	6		6					
2091 VEGETABLE OILS, MARG, SHORT	1,103		1,103					
2099 MISCELLANEOUS FOOD PRODUCTS	248		248					
2211 BASIC TEXTILE PRODUCTS	90		90					
2212 TEXTILE FIBERS, NEC	12		12					
2311 APPAREL	13		13					
2411 LUMBER	31,167		31,167					
2410 WOOD CHIPS, STAVES, HOLDINGS	262		262					
2421 LUMBER	271		271					
2491 WOOD MANUFACTURES, NEC	3		3					
2511 FURNITURE AND FIXTURES	10		10					
2611 PULP	951		951					
2631 PAPER AND PAPERBOARD	18,089		18,089					
2691 PULP AND PAPER PRODUCTS, NEC	3,568		3,568					
2711 PRINTED MATTER	1		1					
2810 SODIUM HYDROXIDE	2,400		2,400			2,400		
2812 DYES, PIGMENT, TANNING MATS	4		4					
2819 BASIC CHEMICALS AND PROD, NEC	200,906	117,075	4,455	39,184	48,192			
2821 PLASTIC MATERIALS	40		40					
2831 DRUGS	71		71					
2841 SOAP	3		3					
2891 PAINTS	70		70					
2871 NITROGENOUS CHEM FERTILIZERS	109,592	99,090	8,203	109,592				
2876 INSECTICIDES, DISINFECTANTS	19		19					
2879 FERTILIZER AND MATERIALS, NEC	56,356		56,356					
2891 MISCELLANEOUS CHEMICAL PROD	1,498		1,498					
2912 JET FUEL	99,062		99,062			99,062		
2919 RESIDUAL FUEL OIL	29,418		29,418			5,436		19,982
2916 LUBRICATING OILS AND GREASES	246		246					
2920 COKE, PETROLEUM COKE	510,636		510,636					
3011 RUBBER AND MISC PLASTIC PROD	6		6					
3111 LEATHER AND LEATHER PRODUCTS	11		11					
3211 GLASS AND GLASS PRODUCTS	11		11					
3241 BUILDING CEMENT	83,886	83,886						
3291 MISC NONMETALLIC MINERAL PROD	27		27					
3319 IRON, STEEL SHAPES, EXC SHEET	1,130	1,130						
3317 IRON AND STEEL PIPE AND TUBE	1,107		1,107					
3319 IRON AND STEEL PRODUCTS, NEC	99		99					
3321 NONFERROUS METALS, NEC	1		1					
3322 COPPER ALLOYS, UNWORKED	2		2					
3323 LEAD AND ZINC, UNWORKED	18		18					
3411 FABRICATED METAL PRODUCTS	90		90					
3511 MACHINERY, EXCEPT ELECTRICAL	499	232	143	124				
3611 ELECTRICAL MACH AND EQUIP	67	27	40					

SACRAMENTO, CALIF., DISTRICT

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

FREIGHT TRAFFIC, 1988--CONTINUED
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		INTERNAL DOWNBOUND	UPDOWN DOWNBOUND
		IMPORTS	EXPORTS	EASTWISE			
				RECEIPTS	SHIPMENTS		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	121		121				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3	1	2				
3911 MISC MANUFACTURED PRODUCTS-----	17	15	2				
4011 IRON AND STEEL SCRAP-----	115,438		115,438				
4012 NONFERROUS METAL SCRAP-----	9,947	9,947					
4024 PAPER WASTE AND SCRAP-----	68		68				
4112 COMMODITIES, NEC-----	19	17	2				
TOTAL TON-MILES, 101,568,971.							

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

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

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	3,590,886	1976-----	1,469,905
1972-----	1,514,790	1977-----	1,520,991
1973-----	1,806,500	1978-----	1,554,482
1974-----	1,476,216	1979-----	1,617,588
1975-----	1,856,670	1980-----	1,995,433

FREIGHT TRAFFIC, 1988
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COUNTYISE
		IMPORTS	EXPORTS	RECEIPTS
TOTAL-----	1,995,433	350,101	1,372,121	265,133
0101 COTTON, RAW-----	22,110		22,110	
0103 CORN-----	161,781		161,781	
0104 OATS-----	22,047		22,047	
0109 RICE-----	20,262		20,262	
0107 WHEAT-----	581,699		581,699	
0119 OILSEEDS, NEC-----	4,371		4,371	
0129 FIELD CROPS, NEC-----	29	29		
0131 FRESH FRUITS AND TREE NUTS-----	300		300	
0141 FRESH AND FROZEN VEGETABLES-----	20		20	
0841 CRUDE RUBBER AND ALLIED GUMS-----	41	40	1	
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,046		1,046	
1091 ALUMINUM ORES, CONCENTRATES-----	66,226	66,226		
1091 NONFERROUS ORES, CONCENT, NEC-----	5,567	5,567		
1411 LIMESTONE-----	18,979	18,979		
1491 CLAY-----	75,127		75,127	
1471 PHOSPHATE ROCK-----	49,843		49,843	
1492 SULPHUR, DRY-----	177,393		177,393	
2011 MEAT, FRESH, CHILLED, FROZEN-----	37		37	
2012 MEAT AND PRODUCTS, NEC-----	43		43	
2014 TALLOW, ANIMAL FATS AND OILS-----	766		766	
2022 DRIED MILK AND CREAM-----	5,687		5,687	
2031 FISH AND SHELLFISH, PREPARED-----	9	9		
2034 VEGETABLES AND PREP, NEC-----	121	70	51	
2039 PREP FRUIT AND VEG JUICE, NEC-----	166	19	147	
2042 PREPARED ANIMAL FEEDS-----	39,350		39,350	
2049 GRAIN MILL PRODUCTS, NEC-----	6	2	4	
2091 VEGETABLE OILS, MARG, SHORT-----	1,103		1,103	
2099 MISCELLANEOUS FOOD PRODUCTS-----	248	62	186	
2211 BASIC TEXTILE PRODUCTS-----	50	39	11	
2212 TEXTILE FIBERS, NEC-----	12	12		
2311 APPAREL-----	13	13		
2411 LOGS-----	3,093		3,093	
2416 WOOD CHIPS, STAVES, HOLDINGS-----	31,167		31,167	
2421 LUMBER-----	262		262	
2491 WOOD MANUFACTURES, NEC-----	271	3	268	
2511 FURNITURE AND FIXTURES-----	8	7	1	
2611 PULP-----	951		951	
2631 PAPER AND PAPERBOARD-----	18,182	17	18,005	
2691 PULP AND PAPER PRODUCTS, NEC-----	3,970	2	3,968	
2711 PRINTED MATTER-----	1	1		
2812 DYES, PIGMENT, TANNING MATS-----	4		4	
2819 BASIC CHEMICALS AND PROD, NEC-----	129,483	115,952	4,499	9,076
2821 PLASTIC MATERIALS-----	48		48	
2831 DRUGS-----	71		71	
2841 SOAP-----	3	3		
2891 PAINTS-----	70	69	1	
2871 NITROGENOUS CHEM FERTILIZERS-----	168,947	95,098	8,285	105,592
2876 INSECTICIDES, DISINFECTANTS-----	19		19	
2879 FERTILIZER AND MATERIALS, NEC-----	56,336		56,336	
2891 MISCELLANEOUS CHEMICAL PROD-----	1,499	1	1,498	
2912 JET FUEL-----	95,862			95,862

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC
		IMPORTS	EXPORTS	CONSTANTS RECEIPTS
2915 RESIDUAL FUEL OIL-----	5,436			5,436
2916 LUBRICATING OILS AND GREASES-----	246		246	
2920 COKE, PETROLEUM COKE-----	94,953		94,953	
3011 RUBBER AND MISC PLASTIC PROD-----	6	1		5
3111 LEATHER AND LEATHER PRODUCTS-----	11			11
3211 GLASS AND GLASS PRODUCTS-----	11	8		3
3241 BUILDING CEMENT-----	83,886	83,886		
3291 MISC NONMETALLIC MINERAL PROD-----	53	27		26
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,130	1,130		
3317 IRON AND STEEL PIPE AND TUBE-----	1,187	955		232
3319 IRON AND STEEL PRODUCTS, NEC-----	99	99		
3321 NONFERROUS METALS, NEC-----	1			1
3322 COPPER ALLOYS, UNWORKED-----	2			2
3323 LEAD AND ZINC, UNWORKED-----	18			18
3411 FABRICATED METAL PRODUCTS-----	90	24		66
3511 MACHINERY, EXCEPT ELECTRICAL-----	499	232		143
3611 ELECTRICAL MACH AND EQUIP-----	67	27		40
3711 MOTOR VEHICLES, PARTS, EQUIP-----	121			121
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3	1		2
3911 MISC MANUFACTURED PRODUCTS-----	17	15		2
4011 IRON AND STEEL SCRAP-----	115,438		115,438	
4012 NONFERROUS METAL SCRAP-----	9,947	9,947		
4024 PAPER WASTE AND SCRAP-----	68			68
4112 COMMODITIES, NEC-----	19	17		2

OLD RIVER, CALIF.

SECTION INCLUDED: FROM MOUTH TO ORHOOD; FROM ORHOOD TO FABIAN-BELLCANAL AT GRANT LINE BRIDGE; GRANT LINE CANAL WEST OF DOUGHTY CUT; DOUGHTY CUT AT HOLLY SUGAR FACTORY; OLD RIVER FROM DOUGHTY CUT TO HEAD OF OLD RIVER; OLD RIVER FROM WESTERLY END OF GRANT LINE CANAL TO LAMMERS FERRY ROAD. CONTROLLING DEPTH: PROJECT DEPTHS ARE AVAILABLE EXCEPT FROM DOUGHTY CUT UPSTREAM TO THE HEAD OF OLD RIVER WHERE 5 FEET IS AVAILABLE. PROJECT DEPTH: CHANNELS VARY FROM 8 TO 10 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	39,359	1976-----	46,465
1972-----	19,946	1977-----	37,931
1973-----	40,979	1978-----	3,465
1974-----	70,952	1979-----	24,628
1975-----	32,891	1980-----	307,221

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	INTERNAL	
	INBOUND	
1442 SAND, GRAVEL, CRUSHED ROCK-----		307,221
TOTAL TON-MILES, 1,610,920.		

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT				
MIDDLE RIVER, CALIF.-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	68,038	573,289	
HOKELUNNE RIVER, CALIF.-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	39,160	334,607	

SAN FRANCISCO, CALIF., DISTRICT

15

MOSS LANDING HARBOUR, CALIF.

SECTION INCLUDED: THE PORTION OF MONTEREY BAY FRONTING ON MOSS LANDING, THE ENTRANCE CHANNEL AND CHANNEL IN THE LAGOON, CONTROLLING DEPTH: 87.7 FEET IN THE ENTRANCE CHANNEL TO THE OUTSIDE TURNING BASIN; 89.0 FEET IN THE TURNING BASIN; 11.1 FEET IN THE INNER CHANNEL; 11 FEET IN THE INNER TURNING BASIN AND 89.7 FEET AT THE END OF PROJECT, PROJECT DEPTH: 15 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	259,932	1976	1,306,929
1972	278,405	1977	2,204,350
1973	378,784	1978	751,626
1974	713,173	1979	1,047,239
1975	747,918	1980	786,531

FREIGHT TRAFFIC, 1980

DOMESTIC (SHORT TONS)

COMMODITY	COASTWISE RECEIPTS
TOTAL	786,531
2014 DISTILLATE FUEL OIL	8,800
2015 RESIDUAL FUEL OIL	777,731

TOTAL WATERBORNE COMMERCE OF THE SAN FRANCISCO BAY AND DELTA AREAS

CALENDAR YEAR 1980 (SHORT TONS)

LOCALITY	FOREIGN		DOMESTIC				TOTAL	PERCENT	THROUGH TRAFFIC
	IMPORTS	EXPORTS	COASTWISE		INTERNAL RECEIPTS AND SHIPMENTS	LOCAL			
			RECEIPTS	SHIPMENTS					
SAN RAFAEL CREEK, CALIF.							29,205		
PETALUMA RIVER, CALIF.							194,708		
NAPA RIVER, CALIF.							196,062	.04	
CARQUINEZ STRAIT, CALIF.	1,165,259	375,348	8,919,188	3,745,612	3,019,001	47,829	17,272,229	23.85	8,869,713
SUISUN BAY CHANNEL, CALIF.	25,521	51,274	328,190	657,463	142,296	10,595	1,215,339	1.68	6,877,504
SUISUN CHANNEL, CALIF.									
SACRAMENTO RIVER, CALIF.	120,299	2,489,175	335,428	3,900	15,067		2,984,769	4.10	
SAN JOAQUIN RIVER, CALIF. AND TRIB.	848,591	1,788,209	295,241	62,574	923,556	2,000	3,920,171	5.42	410,419
SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.	1,315,588	531,453	1,736,953	1,510,457	556,538		5,650,989	7.81	29,310,050
RICHMOND HARBOR, CALIF.	2,411,263	642,482	8,139,119	4,604,747	2,705,754	56,480	18,959,969	25.64	
OAKLAND HARBOR, CALIF.	1,998,270	3,350,399	459,949	1,001,316	506,407	1,192	7,313,533	10.10	
NEWARK SLOUGH, CALIF.									
COYOTE HILL SLOUGH, CALIF.									
ALVISO SLOUGH, CALIF.									
REDWOOD CITY HARBOR, CALIF.	151,325	472,216	73,923	197,008	56,770		951,242	1.31	
SAN FRANCISCO HARBOR, CALIF.	721,625	796,549	57,886	32,197	143,865	191	1,752,193	2.42	
SAN FRANCISCO BAY, OTHER PORTS, CALIF.	8,055	45,953	6,279,553	250,813	5,945,787	31,258	12,561,219	17.35	
BERKELEY, CALIF.					3,764		3,764	.01	
TOTAL (UNADJUSTED)	8,765,796	10,543,058	26,621,342	12,067,241	14,243,618	149,685	72,390,688		40,667,686
PERCENT (UNADJUSTED)	12.11	14.56	36.77	16.67	19.68	.21		100.00	
NET VOLUME OF TONNAGE FOR THE AREA***	8,765,796	10,543,058	26,621,342	12,067,241	7,121,809	149,685	65,268,871		
PERCENT (ADJUSTED)	13.43	16.15	40.79	18.49	10.91	.23		100.00	

* NOT INCLUDED IN THE TOTAL TONNAGE OF THE BAY AND DELTA AREA.
 ** TRIBUTARIES TO SAN JOAQUIN RIVER INCLUDE MOKELUMNE, 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	
1971	9,185,632	5,367,785	15,908,348	10,311,471	40,373,263	1976	17,144,903	6,092,434	13,955,804	11,197,204	48,390,345
1972	11,496,932	5,145,827	16,458,868	11,499,272	44,560,899	1977	23,341,389	6,205,983	13,596,097	13,040,045	56,183,514
1973	15,167,094	6,899,133	15,103,973	11,415,944	48,578,744	1978	11,508,743	8,630,775	20,273,694	13,964,191	52,377,403
1974	12,811,341	6,607,263	14,725,973	10,066,103	44,210,680	1979	10,263,721	8,332,082	22,401,040	14,445,334	55,442,177
1975	12,442,685	7,128,013	14,549,210	9,787,956	43,907,864	1980	8,785,796	10,543,058	20,799,592	17,888,162	57,996,568

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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, 33.2 FEET ALONG SOUTH CHANNEL EDGE, 33.7 ALONG NORTH CHANNEL EDGE, 37.4 DOWN CENTER OF CHANNEL; PRESIDIO SHOAL, 35.5 FEET; BLACK POINT SHOAL, 37.5 FEET; RINCON REEF ROCK (INNER); 41 FEET; RINCON REEF (OUTER); 42.9 FEET; BLOSSOM ROCK, 40 FEET; ALCATRAZ SHOAL, 34.8 FEET; ARCH, HARDING ROCKS; 34.7 FEET; SWAG ROCKS 1 AND 2; 34.9 FEET; POINT KNOX SHOAL, 38.2 FEET; ISLAIS CREEK SHOAL, 32.3 FEET; CHANNEL AND BASIN AT SAN FRANCISCO AIRPORT, 6.8 FEET IN THE MAINTAINED 200-FOOT WIDE SOUTHERLY PORTION; 8 FEET IN THE MAINTAINED PORTION OF TURNING BASIN, 4.6 FEET TO SEAPLANE RAMP. PROJECT DEPTH: 55 FEET IN ENTRANCE CHANNEL ACROSS THE BAY; 48 FEET ACROSS PRESIDIO SHOAL, BLACK POINT SHOAL, BLOSSOM ROCK, RINCON REEF ROCK, AND A PORTION OF ALCATRAZ SHOAL; 37 FEET ACROSS ARCH, SWAG, AND HARDING ROCKS; 35 FEET ACROSS RACCOON 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
1971--	2,099,729	24,193	21,375	26,274	47,649	1976--	1,956,437	25,196	9,318	10,475	19,793
1972--	2,589,746	23,626	21,199	24,323	45,522	1977--	1,931,693	27,030	8,603	9,638	18,241
1973--	4,485,745	27,630	18,798	30,917	37,675	1978--	2,317,965	33,293	8,750	9,922	18,272
1974--	3,913,071	16,806	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	24,327	47,461

FREIGHT TRAFFIC, 1980
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		LOCAL
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	1,752,193	721,625	796,549	57,806	32,197	132,983	10,882	151
0101 COTTON, RAW	19,716		19,716					
0103 CORN	125,385		125,385					
0104 OATS	840		840					
0105 RICE	26,535	20	26,515					
0107 WHEAT	165,940		165,940					
0119 OILSEEDS, NEC	547	76	471					
0121 TOBACCO, LEAF	63		63					
0129 FIELD CROPS, NEC	2,356	262	2,094					
0131 FRESH FRUITS AND TREE NUTS	6,965	375	6,590					
0133 COFFEE	97,705	96,891	814					
0134 COCOA BEANS	7,295	7,193	102					
0141 FRESH AND FROZEN VEGETABLES	9,509	310	9,199					
0151 LIVE ANIMALS	248		248					
0161 ANIMALS AND PRODUCTS, NEC	432	362	70					
0191 MISCELLANEOUS FARM PRODUCTS	101	83	18					
0841 CRUDE RUBBER AND ALLIED GUMS	5,140	5,135	5					
0861 FOREST PRODUCTS, NEC	246	194	52					
0911 FRESH FISH, EXCEPT SHELLFISH	3,346	390	2,956					
0912 SHELLFISH, EXCEPT PREPARED	829	522	307					
1091 NONFERROUS ORES, CONCENT, NEC	1,216	1,102	114					
1121 COAL AND LIGNITE	28		28					
1311 CRUDE PETROLEUM	32,197				32,197			
1411 LIMESTONE	322		322					
1442 SAND, GRAVEL, CRUSHED ROCK	7,437	131	396				6,910	
1491 CLAY	1,054	2	1,052					
1499 NATURAL FERTILIZER MATS, NEC	6,110	6,110						
1491 SALT	136		134					
1499 NONMETALLIC MINERALS, NEC	5,356	908	4,448					
1911 ORDNANCE AND ACCESSORIES	378	15	363					
2011 MEAT, FRESH, CHILLED, FROZEN	22,243	17,817	4,426					
2012 MEAT AND PRODUCTS, NEC	9,544	8,981	563					
2014 TALLOW, ANIMAL FATS AND OILS	44,314		44,314					
2015 ANIMAL BY-PRODUCTS, NEC	836		836					
2021 DAIRY PRODUCTS, NEC	1,488	1,079	409					
2022 DRIED MILK AND CREAM	10,024	302	9,722					
2031 FISH AND SHELLFISH, PREPARED	1,611	1,302	309					
2034 VEGETABLES AND PREP, NEC	15,356	2,498	12,858					
2039 PREP FRUIT AND VEG JUICE, NEC	35,435	16,290	19,145					
2041 WHEAT FLOUR AND SEMOLINA	25		25					
2042 PREPARED ANIMAL FEEDS	11,870	285	11,585					
2049 GRAIN MILL PRODUCTS, NEC	1,195	434	761					
2061 SUGAR	6	3	3					
2081 ALCOHOLIC BEVERAGES	4,218	1,964	2,254					
2091 VEGETABLE OILS, MARG, SHORT	97,818	85,490	12,328					
2092 ANIMAL OILS AND FATS, NEC	5		5					
2099 MISCELLANEOUS FOOD PRODUCTS	27,679	12,119	15,564					
2111 TOBACCO MANUFACTURES	1,042	3	1,039					
2211 BASIC TEXTILE PRODUCTS	2,565	1,568	997					
2311 APPAREL	1,488	1,174	314					
2411 LOGS	202		202					
2414 TIMBER, POSTS, POLES, PILING	479	184	375					
2416 WOOD CHIPS, STAVES, HOLDINGS	10,254		10,254					
2421 LUMBER	17,484	12,361	5,123					
2431 VENEER, PLYWOOD, WORKED WOOD	1,899	1,536	363					
2491 WOOD MANUFACTURES, NEC	8,378	2,024	6,354					
2511 FURNITURE AND FIXTURES	2,000	1,186	814					
2611 PULP	3,077	2,747	330					
2631 PAPER AND PAPERBOARD	264,320	294,724	9,596					
2691 PULP AND PAPER PRODUCTS, NEC	11,883	99	11,784					
2711 PRINTED MATTER	2,004	159	1,845					
2811 CRUDE TAR, OIL, GAS PRODUCTS	7		7					
2812 DYES, PIGMENT, TANNING MATS	42		42					
2813 ALCOHOLS	30		30					
2819 BASIC CHEMICALS AND PROD, NEC	52,771	5,487	47,284					
2821 PLASTIC MATERIALS	8,415	511	8,904					
2822 SYNTHETIC RUBBER	476		476					
2823 SYNTHETIC (MAN-MADE) FIBERS	94	68	26					

SAN FRANCISCO, CALIF., DISTRICT

SAN FRANCISCO HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2831 DRUGS	1,008	220	788					
2841 SOAP	5,848	260	5,588					
2851 PAINTS	2,829	948	1,881					
2861 GUM AND WOOD CHEMICALS	28		28					
2871 NITROGENOUS CHEM FERTILIZERS	21,628	21,583	45					
2873 PHOSPHATIC CHEM FERTILIZERS	18		18					
2876 INSECTICIDES, DISINFECTANTS	1,763	97	1,766					
2879 FERTILIZER AND MATERIALS, NEC	461	6	455					
2891 MISCELLANEOUS CHEMICAL PROD	6,201	1,775	3,807			2,619		
2911 GASOLINE	35,340	35,051	289					
2913 KEROSENE	24		24					
2914 DISTILLATE FUEL OIL	85,414		111	4,476		80,827		
2915 RESIDUAL FUEL OIL	110,111		6,791	51,880		47,317		191
2916 LUBRICATING OILS AND GREASES	7,761	17	7,744				3,972	
2918 ASPHALT, TAR, AND PITCHES	577		577					
2920 COKE, PETROLEUM COKE	66		66					
2921 LIQUEFIED GASES	77		77					
2951 ASPHALT BUILDING MATERIALS	509		509					
2991 PETROLEUM AND COAL PROD, NEC	216		216					
3011 RUBBER AND MISC PLASTIC PROD	5,013	1,684	3,329					
3111 LEATHER AND LEATHER PRODUCTS	1,224	1,155	69					
3211 GLASS AND GLASS PRODUCTS	1,640	487	1,153					
3241 BUILDING CEMENT	1,582	1,231	351					
3251 STRUCTURAL CLAY PRODUCTS	4,127	1,166	2,961					
3281 CUT STONE AND STONE PRODUCTS	436	435	1					
3291 MISC NONMETALLIC MINERAL PROD	2,364	362	633			1,369		
3314 IRON AND STEEL PRIMARY FORMS	5		5					
3315 IRON, STEEL SHAPES, EXC SHEET	19,420	18,899	521					
3316 IRON AND STEEL PLATES, SHEETS	6,514	2,837	3,677					
3317 IRON AND STEEL PIPE AND TUBE	8,385	5,082	3,303					
3318 FERROALLOYS	785	308	477					
3319 IRON AND STEEL PRODUCTS, NEC	1,123	643	480					
3321 NONFERROUS METALS, NEC	384	76	308					
3322 COPPER ALLOYS, UNWORKED	358	245	113					
3323 LEAD AND ZINC, UNWORKED	4,201	3,671	530					
3324 ALUMINUM AND ALLOYS, UNWORKED	1,900	29	1,871					
3411 FABRICATED METAL PRODUCTS	24,394	17,407	5,215	1,450		322		
3511 MACHINERY, EXCEPT ELECTRICAL	84,874	10,788	74,086					
3611 ELECTRICAL MACH AND EQUIP	11,797	2,863	8,934					
3711 MOTOR VEHICLES, PARTS, EQUIP	44,329	25,765	18,764					
3721 AIRCRAFT AND PARTS	170		170					
3731 SHIPS AND BOATS	1,336	728	79			529		
3791 MISC TRANSPORTATION EQUIPMENT	597	18	579					
3811 INSTR, TIME, PHOTO, OPT GOODS	1,434	291	1,143					
3911 MISC MANUFACTURED PRODUCTS	4,387	3,173	1,214					
4011 IRON AND STEEL SCRAP	15,376	22	15,354					
4012 NONFERROUS METAL SCRAP	11,568	8,821	2,747					
4022 TEXTILE WASTE, SCRAP, SWEEP	69		69					
4024 PAPER WASTE AND SCRAP	6,880		6,880					
4112 COMMODITIES, NEC	1,716	1,165	551					
9999 DEPARTMENT OF DEFENSE AND SCI	717		717					

REDWOOD CITY HARBOR, CALIF.

SECTION INCLUDED: CHANNEL 500 FEET WIDE AND ABOUT 4 MILES LONG ACROSS SAN BRUNO SHOALS; A CHANNEL FROM DEEP WATER IN SAN FRANCISCO BAY TO STEINBERGER SLOUGH, CONTROLLING DEPTH: 28.8 FEET IN SAN BRUNO SHOAL CHANNEL; 21.9 FEET IN SAN FRANCISCO BAY TO BEACON NO. 81 18.9 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: 30 FEET IN SAN BRUNO SHOAL CHANNEL; 30 FEET TO THE HEAD OF THE TURNING BASIN IN REDWOOD CREEK; 5 FEET TO STEINBERGER SLOUGH; AND 4 FEET IN STEINBERGER SLOUGH.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	919,938	1976	395,614
1972	959,443	1977	410,293
1973	467,967	1978	474,131
1974	447,135	1979	775,379
1975	429,211	1980	951,242

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
TOTAL	951,242	151,325	472,816	73,923	197,008	56,770
1442 SAND, GRAVEL, CRUSHED ROCK	56,770					56,770
1491 SALT	203,871		161,901		42,370	
2421 LUMBER	84		84			
2631 PAPER AND PAPERBOARD	3		3			
2912 JET FUEL	73,923			73,923		
2920 COKE, PETROLEUM COKE	17,521		17,521			
3241 BUILDING CEMENT	292,789	138,147			154,638	
3251 STRUCTURAL CLAY PRODUCTS	13,031	13,031				

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

REDWOOD CITY HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
3201 CUT STONE AND STONE PRODUCTS	12	12				
3319 IRON, STEEL SHAPES, EXC SHEET	134	134				
3411 FABRICATED METAL PRODUCTS	30	1	29			
3511 MACHINERY, EXCEPT ELECTRICAL	1		1			
3611 ELECTRICAL MACH AND EQUIP	1		1			
4011 IRON AND STEEL SCRAP	293,076		293,076			
TOTAL TON-MILES,	1,902,484					

OAKLAND HARBOR, CALIF.

SECTION INCLUDED: OUTER AND INNER HARBOR FROM DEEP WATER IN SAN FRANCISCO BAY TO SAN LEANDRO BAY, A DISTANCE OF 8.9 MILES. CONTROLLING DEPTHS: 32.9 FEET IN THE ENTRANCE CHANNEL OF THE OUTER HARBOR TO BART TUBE; 30.1 TO ALBERS HILL; 34.5 TO SHED 5; 29.4 FEET IN THE ENTRANCE CHANNEL TO THE INNER HARBOR; 33.9 FEET IN INNER HARBOR TO FOOT OF FERRO STREET; 32.9 FEET TO POSEY TUBE; 32.8 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; 15 FEET IN THE ENTRANCE CHANNEL TO THE OUTER HARBOR; 35 FEET IN THE OUTER HARBOR; 35 FEET IN THE ENTRANCE CHANNEL TO THE INNER HARBOR; 35 FEET IN THE INNER HARBOR TO THE PARK STREET BRIDGE; 25 FEET IN THE TIDAL CANAL TO SAN LEANDRO BAY; 35 FEET FOR A DISTANCE OF 1,300 FEET THENCE 25 FEET IN NORTH CHANNEL OF BROOKLYN BASIN (MAINTAINED 18 FEET).

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	ADDITIONAL TRAFFIC CAR FERRY-RAILROAD CARS			YEAR	TONS	ADDITIONAL TRAFFIC CAR FERRY-RAILROAD CARS		
		EMPTY	LOADED	TOTAL			EMPTY	LOADED	TOTAL
1972	5,907,709	9,143	11,632	20,195	1977	6,828,938	4,829	5,545	10,365
1973	7,414,679	7,239	8,448	19,687	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	6,186,033	5,524	6,101	11,625	1980	7,313,533			

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	7,313,533	1,998,270	3,350,399	455,949	1,001,316	497,688	8,719	1,192
0101 COTTON, RAW	361,517		361,517					
0102 BARLEY AND RYE	7					7		
0103 CORN	11,298		11,166			72		
0104 OATS	1,590		1,590					
0105 RICE	126,309	81	92,050		34,178			
0107 WHEAT	78,379		78,379					
0111 SOYBEANS	970	17	953					
0119 OILSEEDS, NEC	10,817	584	10,233					
0121 TOBACCO, LEAF	18,449	18,394	55					
0129 FIELD CROPS, NEC	3,677	724	2,953					
0131 FRESH FRUITS AND TREE NUTS	135,711	52	105,521	24,043	6,095			
0132 BANANAS AND PLANTAINS	4				4			
0133 COFFEE	43,680	36,694	3,945	1,062	2,379			
0134 COCOA BEANS	232	119	113					
0141 FRESH AND FROZEN VEGETABLES	108,670	2,494	72,517	126	33,533			
0151 LIVE ANIMALS	1,359		14	476	869			
0161 ANIMALS AND PRODUCTS, NEC	9,275	1,320	6,996		959			
0191 MISCELLANEOUS FARM PRODUCTS	2,635	984	256	595	800			
0841 CRUDE RUBBER AND ALLIED GUMS	4,503	3,939	564					
0861 FOREST PRODUCTS, NEC	8,191	2,528	3,027	6	630			
0911 FRESH FISH, EXCEPT SHELLFISH	7,309	4,710	2,599					
0912 SHELLFISH, EXCEPT PREPARED	5,954	909	4,391	65	589			
1011 IRON ORE AND CONCENTRATES	158		158					
1021 COPPER ORE AND CONCENTRATES	829		829					
1051 ALUMINUM ORES, CONCENTRATES	3,944	2,780	1,164					
1091 NONFERROUS ORES, CONCENT, NEC	5,893	582	4,097		1,214			
1121 COAL AND LIGNITE	781	15	626		140			
1311 CRUDE PETROLEUM	46,967	46,967						
1411 LIMESTONE	2,651	3	2,648					
1412 BUILDING STONE, UNWORKED	299		299					
1442 SAND, GRAVEL, CRUSHED ROCK	271,027	292	11,455	21	793	292,946	5,520	
1491 CLAY	32,294	464	31,790					
1491 SALT	13,303	59	9,289		3,955			
1492 SULPHUR, DRY	2,250		2,250					
1494 GYPSUM, CRUDE AND PLASTERS	2,539				2,539			
1499 NONMETALLIC MINERALS, NEC	61,006	3,370	57,400		236			
1911 ORDNANCE AND ACCESSORIES	1,404	458	841		105			
2011 MEAT, FRESH, CHILLED, FROZEN	91,896	10,461	49,921	410	31,064			
2012 MEAT AND PRODUCTS, NEC	6,622	3,967	2,655					
2014 TALLOW, ANIMAL FATS AND OILS	41,773		41,773					
2015 ANIMAL BY-PRODUCTS, NEC	64,435	7	64,211	217				
2021 DAIRY PRODUCTS, NEC	13,536	2,767	1,262		9,507			
2022 DRIED MILK AND CREAM	7,994		7,352		642			
2031 FISH AND SHELLFISH, PREPARED	14,386	13,325	1,064	5	172			
2034 VEGETABLES AND PREP, NEC	151,611	33,930	64,944	6,932	46,205			
2039 PREP FRUIT AND VEG JUICE, NEC	558,021	154,525	173,039	226,411	4,046			

SAN FRANCISCO, CALIF., DISTRICT

OAKLAND HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1968--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2041 WHEAT FLOUR AND SEMOLINA	7,745		1,383	13	6,349			
2042 PREPARED ANIMAL FEEDS	195,242	864	190,928		43,450			
2049 GRAIN MILL PRODUCTS, NEC	13,926	4,675	6,501	5	2,745			
2081 SUGAR	37,778	316	14,164	21,918	1,780			
2082 MOLASSES	82,682	2	7	82,673				
2081 ALCOHOLIC BEVERAGES	171,994	60,761	25,393	2,400	83,320			
2091 VEGETABLE OILS, MARG, SHORT	46,657	6,572	35,126		4,959			
2092 ANIMAL OILS AND FATS, NEC	458	459	3					
2094 GROCERIES	54,826			314	54,912			
2099 MISCELLANEOUS FOOD PRODUCTS	210,728	32,635	167,866	2,103	8,144			
2111 TOBACCO MANUFACTURES	5,643	144	5,182	88	229			
2211 BASIC TEXTILE PRODUCTS	37,294	20,517	14,619		2,150			
2212 TEXTILE FIBERS, NEC	24,066	276	23,575		215			
2311 APPAREL	63,132	61,477	1,635	9	11			
2411 LOGS	5,104		5,104					
2413 FUEL WOOD, CHARCOAL, WASTES	1,159	76	69	47	972			
2414 TIMBER, POSTS, POLES, PILING	1,405	1	348		56			
2416 WOOD CHIPS, STAVES, HOLDINGS	16,235	2,650	13,385					
2421 LUMBER	42,678	2,396	31,970	638	7,474			
2431 VENEER, PLYWOOD, WORKED WOOD	15,449	13,409	633		1,407			
2491 WOOD MANUFACTURES, NEC	32,466	13,690	17,574		1,802			
2511 FURNITURE AND FIXTURES	40,790	30,618	2,367	1,514	6,871			
2611 PULP	42,257	10,413	23,644					
2621 STANDARD NEWSPRINT PAPER	176				176			
2631 PAPER AND PAPERBOARD	78,243	22,723	48,866		6,654			
2691 PULP AND PAPER PRODUCTS, NEC	76,884	2,811	54,576	2	19,495			
2711 PRINTED MATTER	11,685	3,361	3,239	113	4,972			
2811 CRUDE TAR, OIL, GAS PRODUCTS	12		12					
2812 DYES, PIGMENT, TANNING MATS	1,302		1,278		24			
2813 ALCOHOLS	1,941		502	1,131	228			
2816 RADIOACTIVE MATERIALS, WASTES	330		268	62				
2819 BASIC CHEMICALS AND PROD, NEC	144,849	20,923	133,209	19	11,102			
2821 PLASTIC MATERIALS	203,157	18,239	183,488		1,438			
2822 SYNTHETIC RUBBER	22,915		22,915					
2823 SYNTHETIC (MAN-MADE) FIBERS	13,012	4,672	6,122		18			
2831 DRUGS	6,040	1,284	4,265	246	325			
2841 SOAP	26,192	2,024	14,738	733	8,697			
2851 PAINTS	22,649	9,214	8,012	100	5,323			
2891 GUM AND WOOD CHEMICALS	7,365	2,131	5,234					
2871 NITROGENOUS CHEM FERTILIZERS	13,955	383	193		13,459			
2872 POTASSIC CHEM FERTILIZERS	190		190					
2873 PHOSPHATIC CHEM FERTILIZERS	135		135					
2876 INSECTICIDES, DISINFECTANTS	12,659	1,297	9,094	3	2,265			
2879 FERTILIZER AND MATERIALS, NEC	1,305	141	893		271			
2891 MISCELLANEOUS CHEMICAL PROD	49,945	2,487	43,138	5	4,335			
2911 GASOLINE	7,993	1	2,958		5,934			
2913 KEROSENE	282		274		8			
2914 DISTILLATE FUEL OIL	359		355		4			
2915 RESIDUAL FUEL OIL	328,501				80,858	244,068	3,199	1,192
2916 LUBRICATING OILS AND GREASES	56,208	352	37,086	18,217	953			
2917 NAPHTHA, PETROLEUM SOLVENTS	59				59			
2918 ASPHALT, TAR, AND BITUMENS	5,690		5,403		287			
2920 COKE, PETROLEUM COKE	6,716		6,686		30			
2921 LIQUEFIED GASES	885		885					
2921 ASPHALT BUILDING MATERIALS	2,450		2,291		159			
2991 PETROLEUM AND COAL PROD, NEC	17,472	1	4,124		13,347			
3011 RUBBER AND MISC PLASTIC PROD	63,291	48,361	10,405	477	4,848			
3111 LEATHER AND LEATHER PRODUCTS	41,787	32,383	9,384		20			
3211 GLASS AND GLASS PRODUCTS	27,341	11,431	11,471	43	4,396			
3241 BUILDING CEMENT	4,483	80	645		3,998			
3251 STRUCTURAL CLAY PRODUCTS	20,332	12,383	6,491		1,588			
3271 LIME	75		16		59			
3281 CUT STONE AND STONE PRODUCTS	3,988	3,023	220		745			
3291 MISC NONMETALLIC MINERAL PROD	91,050	49,288	8,150	2	33,618			
332 SLAG	373				373			
3314 IRON AND STEEL PRIMARY FORMS	3,114	14	70		3,030			
3315 IRON, STEEL SHAPES, EXC SHEET	594,232	549,493	2,484	62	2,193			
3316 IRON AND STEEL PLATES, SHEETS	24,831	5,094	12,955	19	6,807			
3317 IRON AND STEEL PIPE AND TUBE	110,864	99,289	6,231		5,424			
3318 FERRONALLOYS	16,299	14,136	2,163					
3319 IRON AND STEEL PRODUCTS, NEC	16,390	6,996	2,052		7,342			
3321 NONFERROUS METALS, NEC	15,648	2,542	4,342		8,764			
3322 COPPER ALLOYS, UNWORKED	6,869	4,140	2,720		9			
3323 LEAD AND ZINC, UNWORKED	2,915	286	2,442		187			
3324 ALUMINUM AND ALLOYS, UNWORKED	17,954	670	17,269		19			
3411 FABRICATED METAL PRODUCTS	163,128	118,632	21,135	1,235	21,444	682		
3911 MACHINERY, EXCEPT ELECTRICAL	194,895	75,396	109,033	2,720	9,708			
3611 ELECTRICAL MACH AND EQUIP	146,857	84,497	39,210	10,797	12,353			
3711 MOTOR VEHICLES, PARTS, EQUIP	155,573	58,275	40,328	10,139	46,831			
3721 AIRCRAFT AND PARTS	916	34	762	2	118			
3731 SHIPS AND BOATS	2,307	1,333	434	101	439			
3791 MISC TRANSPORTATION EQUIPMENT	5,255	2,899	1,989	69	298			
3811 INSTR, TIME, PHOTO, OPT GOODS	20,340	11,681	8,863		46			
3911 MISC MANUFACTURED PRODUCTS	129,830	70,336	6,873	3,618	49,883			
4011 IRON AND STEEL SCRAP	330,871	61	322,146	8,664				
4012 NONFERROUS METAL SCRAP	95,949	319	95,630					
4022 TEXTILE WASTE, SCRAP, SWEEP	5,241	6	5,233		4			
4024 PAPER WASTE AND SCRAP	194,539		154,539					
4112 COMMODITIES, NEC	246,698	28,192	3,484	21,403	193,659			
4119 EMPTY CONTAINERS	4,619			4,324	295			
9999 DEPARTMENT OF DEFENSE AND SCI	10,398		10,398					

RICHMOND HARBOR, CALIF.

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: 36.0 FEET IN SOUTHAMPTON CHANNEL AND IN CONNECTING CHANNEL FROM SAN FRANCISCO BAY TO WHARF APPROACH AREA; 32.7 FEET IN APPROACH AREA TO RICHMOND LONG WHARF; 29.7 FEET TO TURNING BASIN, POINT RICHMOND; 24.7 FEET IN TURNING BASIN; 26.8 FEET TO POINT POTRERO; 19.6 FEET IN TURNING BASIN AT POINT POTRERO; POINT POTRERO (SOUTHERLY APEX ONLY); 13.3 FEET; 24.6 FEET TO LAURITZEN CANAL THENCE 24.8 FEET IN SANTA FE CHANNEL TO UPPER TURNING BASIN; 24.7 FEET IN UPPER TURNING BASIN; 24.9 FEET IN APPROACH TO POINT ORIENT; 24.9 FEET IN APPROACH TO POINT SAN PABLO; 30.4 FEET AT MOLATE POINT; AND 33.4 FEET IN WEST RICHMOND CHANNEL. PROJECT DEPTHS: 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			YEAR	TONS	ADDITIONAL TRAFFIC		
		CAN FERRY-RAILROAD CARS		TOTAL			CAN FERRY-RAILROAD CARS		TOTAL
		EMPTY	LOADED				EMPTY	LOADED	
1971	13,084,609	11,747	13,404	25,151	1976	20,165,240	4,083	4,560	8,643
1972	15,650,278	11,365	11,908	23,273	1977	23,823,508	3,368	3,699	7,067
1973	18,259,836	8,661	11,535	20,196	1978	18,986,081	3,316	3,567	6,883
1974	14,763,822	3,019	3,963	6,982	1979	18,978,302	3,640	4,246	7,886
1975	14,356,284				1980	18,559,965	23,134	24,327	47,461

FREIGHT TRAFFIC, 1980
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	18,559,965	2,411,263	642,482	8,139,119	4,684,747	2,324,423	381,331	56,600
0101 COTTON, RAW	2,373		2,373					
0104 OATS	99		99					
0109 RICE	44,543		44,543					
0107 WHEAT	93,364		93,364					
0119 OILSEEDS, NEC	26	14	12					
0221 TOBACCO, LEAF	12	12						
0229 FIELD CROPS, NEC	104		104					
0331 FRESH FRUITS AND TREE NUTS	88	8	80					
0333 COFFEE	18		18					
0134 COCOA BEANS	39		39					
0141 FRESH AND FROZEN VEGETABLES	1,034	94	940					
0141 ANIMALS AND PRODUCTS, NEC	269	186	133					
0191 MISCELLANEOUS FARM PRODUCTS	36	36						
0841 CRUDE RUBBER AND ALLIED GUMS	9		9					
0841 FOREST PRODUCTS, NEC	150	95	103					
0911 FRESH FISH, EXCEPT SMELLFISH	21	21						
0912 SMELLFISH, EXCEPT PREPARED	14	4	9					
1051 ALUMINUM DRES, CONCENTRATES	21,390	21,390						
1091 NONFERROUS ORES, CONCENT, NEC	16,822	16,822						
1121 COAL AND LIGNITE	75	75						
1311 CRUDE PETROLEUM	10,483,598	1,712,973		6,892,203	85,238	1,823,192		
1411 LIMESTONE	142,794	142,792	2					
1442 SAND, GRAVEL, CRUSHED ROCK	1,709		89			1,620		
1491 CLAY	4,828		4,828					
1499 NONMETALLIC MINERALS, NEC	183		183					
1911 ORDONANCE AND ACCESSORIES	189	189	4					
2011 MEAT, FRESH, CHILLED, FROZEN	178	88	158					
2012 MEAT AND PRODUCTS, NEC	24	10	14					
2014 TALLOW, ANIMAL FATS AND OILS	40,521		40,521					
2015 ANIMAL BY-PRODUCTS, NEC	4,839		4,839					
2021 DAIRY PRODUCTS, NEC	3		3					
2022 DRIED MILK AND CREAM	204		204					
2031 FISH AND SMELLFISH, PREPARED	2,584	2,565	19					
2034 VEGETABLES AND PREP, NEC	4,332	3,186	1,206					
2039 PREP FRUIT AND VEG JUICE, NEC	5,263	3,333	1,930					
2042 PREPARED ANIMAL FEEDS	7,554	2	7,552					
2049 GRAIN MILL PRODUCTS, NEC	891	767	124					
2061 SUGAR	278,442	11				278,431		
2081 ALCOHOLIC BEVERAGES	194	63	133					
2091 VEGETABLE OILS, MARG, SHORT	131,403	100,581	29,323		1,499			
2099 MISCELLANEOUS FOOD PRODUCTS	6,482	2,582	4,138					
2111 TOBACCO MANUFACTURES	60		60					
2111 BASIC TEXTILE PRODUCTS	625	385	248					
2212 TEXTILE FIBERS, NEC	571		571					
2311 APPAREL	282	289	93					
2421 LUMBER	459	173	286					
2431 VENEER, PLYWOOD, WORKED WOOD	74	60	14					
2491 WOOD MANUFACTURES, NEC	994	343	613					
2511 FURNITURE AND FIXTURES	1,189	1,028	81					
2611 PAPER AND PAPERBOARD	443	79	384					
2691 PULP AND PAPER PRODUCTS, NEC	1,183	611	492					
2711 PRINTED MATTER	109	14	95					
2810 SODIUM HYDROXIDE	121,487			117,806	3,881			
2811 CRUDE TAR, OIL, GAS PRODUCTS	7,939			7,939				
2812 DYES, PIGMENT, TANNING MATS	10		10					
2813 ALCOHOLS	33,342			33,342				
2817 BENZENE AND TOLUENE	8,637			7,393	1,844			
2819 BASIC CHEMICALS AND PROD, NEC	276,394	15,883	106,051	80,160	48,448			19,854
2821 PLASTIC MATERIALS	5,323	153	5,178					
2822 SYNTHETIC RUBBER	890		890					
2823 SYNTHETIC (MAN-MADE) FIBERS	209	191	18					
2831 DRUGS	114	23	93					
2841 SOAP	6,781	2,484	1,231			3,064		
2851 PAINTS	430	519	115					
2861 GUM AND WOOD CHEMICALS	10,406			10,406				

SAN FRANCISCO, CALIF., DISTRICT

21

RICHMOND HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1960--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL		
		IMPORTS	EXPORTS	COASTWISE			INVERNAL	
				RECEIPTS	SHIPMENTS		RECEIPTS	SHIPMENTS
2871 NITROGENOUS CHEM FERTILIZERS	6,496				6,496			
2876 INSECTICIDES, DISINFECTANTS	48		69					
2879 FERTILIZER AND MATERIALS, NEC	27,426		12	27,414				
2891 MISCELLANEOUS CHEMICAL PROD	5,630	150	2,901			2,619		
2911 GASOLINE	946,772	89,749	39,958	69,694	737,486	22,922		
2912 JET FUEL	113,461			88,266	25,135			
2913 KEROSENE	346,959			5,259	355,709			
2914 DISTILLATE FUEL OIL	1,133,698	46,780	10,718	125,559	881,362	53,281		
2915 RESIDUAL FUEL OIL	3,019,236		71,761	408,384	2,640,194	132,210		
2916 LUBRICATING OILS AND GREASES	446,148	119,000	2,200	199,837	111,870	18,137		
2917 NAPHTHA, PETROLEUM SOLVENTS	89,849			66,462	32,837			
2918 ASPHALT, TAR, AND PITCHES	299,984		30		292,810			
2920 COKE, PETROLEUM COKE	13,779	13,779						
2951 ASPHALT BUILDING MATERIALS	75		75					
2991 PETROLEUM AND COAL PROD, NEC	6,684		22		6,662			
3011 RUBBER AND MISC PLASTIC PROD	5,137	4,941	196					
3111 LEATHER AND LEATHER PRODUCTS	615	516	99					
3211 GLASS AND GLASS PRODUCTS	312	31	281					
3241 BUILDING CEMENT	41		41					
3251 STRUCTURAL CLAY PRODUCTS	1,879	318	761					
3281 CUT STONE AND STONE PRODUCTS	12	9	3					
3291 MISC NONMETALLIC MINERAL PROD	1,262	393	43		826			
3314 IRON AND STEEL PRIMARY FORMS	86	86						
3319 IRON, STEEL SHAPES, EXC SHEET	18,846	18,846	42					
3316 IRON AND STEEL PLATES, SHEETS	90		90					
3317 IRON AND STEEL PIPE AND TUBE	937	515	42					
3318 FERROALLOYS	92,420	82,420						
3319 IRON AND STEEL PRODUCTS, NEC	744		157					
3321 NONFERROUS METALS, NEC	22	14	8					
3322 COPPER ALLOYS, UNWORKED	79	77	2					
3324 ALUMINUM AND ALLOYS, UNWORKED	2,863		2,863					
3411 FABRICATED METAL PRODUCTS	5,113	3,927	299		1,267	20		
3911 MACHINERY, EXCEPT ELECTRICAL	2,769	1,851	1,718					
3611 ELECTRICAL MACH AND EQUIP	1,878	379	691					
3711 MOTOR VEHICLES, PARTS, EQUIP	44,288	43,333	875					
3731 SHIPS AND BOATS	884	89	6		329			
3791 MISC TRANSPORTATION EQUIPMENT	39	13	26					
3811 INSTR, TIME, PHOTO, OPT GOODS	378	194	174					
3911 MISC MANUFACTURED PRODUCTS	1,558	1,276	282					
4011 IRON AND STEEL SCRAP	172,391	6	172,385					
4012 NONFERROUS METAL SCRAP	38,966	20,637	11,729					
4024 PAPER WASTE AND SCRAP	9,110		9,110					
4112 COMMODITIES, NEC	2,649	2,563	86					

SAN PABLO BAY AND MARE ISLAND STRAIT, CALIF.

SECTION INCLUDED: ALL OF SAN PABLO BAY AND MARE ISLAND STRAIT; CONTROLLING DEPTH: PINOLE SHOAL CHANNEL 37 FEET FROM S. P. BUOY AT BEGINNING OF CHANNEL TO BUOY 91 31.8 FEET AT BUOY 91 34.2 FEET TO BUOY 111 35.9 FEET TO END OF CHANNEL IN MARE ISLAND STRAIT; THE MAINTAINED WESTERLY 55% OF PROJECT WIDTH, 26.9 FEET TO THE NAVY AMMUNITION PIER; 27.8 FEET TO FINCH PIER NO. 21; 24.9 FEET TO A STREET (END OF MAINTAINED SECTION); 19.2 FEET TO THE END OF THE 30-FOOT PROJECT; 18.5 FEET TO THE END OF 26-FOOT PROJECT AT CAUSEWAY. PROJECT DEPTH: 45 FEET IN PINOLE SHOAL CHANNEL AND 30 FEET IN MARE ISLAND STRAIT, EXCEPT AT UPSTREAM END OF TURNING BASIN, 26 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	26,447,549	1976	29,491,610
1972	27,061,485	1977	32,456,140
1973	27,176,329	1978	29,897,938
1974	27,317,814	1979	28,119,814
1975	28,569,332	1980	30,961,039

FREIGHT TRAFFIC, 1960

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	IMPORTS	EXPORTS	THROUGH	
				UPBOUND	DOWNBOUND
TOTAL	6,710,717	1,319,588	531,453	2,159,676	4,704,006
0101 COTTON, RAW	22,118				22,118
0103 CORN	234,530				234,530
0104 OATS	22,047				22,047
0105 RICE	854,098				854,098
0107 WHEAT	1,026,838				1,026,838
0119 OILSEEDS, NEC	4,536				4,536
0129 FIELD CROPS, NEC	61			29	32
0131 FRESH FRUITS AND TREE NUTS	323				323
0133 COFFEE	11				11
0141 FRESH AND FROZEN VEGETABLES	26				26
0161 ANIMALS AND PRODUCTS, NEC	1				1
0841 CRUDE RUBBER AND ALLIED GUMS	41			40	1
0861 FOREST PRODUCTS, NEC	3		2		1
0911 FRESH FISH, EXCEPT SHELLFISH	1,091		3		1,088
0912 SHELLFISH, EXCEPT PREPARED	2		2		
1051 ALUMINUM ORES, CONCENTRATES	69,932			69,932	

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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

FREIGHT TRAFFIC, 1980--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	IMPORTS	EXPORTS	THROUGH	
				UPBOUND	DOWNBOUND
1091 NONFERROUS ORES, CONCENT, NEC	5,567			5,567	
1311 CRUDE PETROLEUM	1,950,275	1,245,373		712,902	
1411 LIMESTONE	469,063			469,063	
1442 SAND, GRAVEL, CRUSHED ROCK	38,745			38,745	
1491 CLAY	78,483				78,483
1491 SALT	8,500				8,500
1492 SULPHUR, DRY	177,353				177,353
1499 NONMETALLIC MINERALS, NEC	458			14	444
1911 ORDNANCE AND ACCESSORIES	1				1
2011 MEAT, FRESH, CHILLED, FROZEN	37				37
2012 MEAT AND PRODUCTS, NEC	43				43
2014 TALLOW, ANIMAL FATS AND OILS	2,695				2,695
2015 ANIMAL BY-PRODUCTS, NEC	113				113
2022 DRIED MILK AND CREAM	5,607				5,607
2031 FISH AND SHELLFISH, PREPARED	20	5		15	
2034 VEGETABLES AND PREP, NEC	175	7		117	51
2039 PREP FRUIT AND VEG JUICE, NEC	564	2		375	187
2042 PREPARED ANIMAL FEEDS	132,957				132,957
2049 GRAIN MILL PRODUCTS, NEC	34	2		28	4
2081 ALCOHOLIC BEVERAGES	58			58	
2091 VEGETABLE OILS, MARG, SHORT	1,114			5	1,109
2099 MISCELLANEOUS FOOD PRODUCTS	467	9		232	226
2211 BASIC TEXTILE PRODUCTS	124			76	50
2212 TEXTILE FIBERS, NEC	12			12	
2311 APPAREL	18	2		16	
2411 LOGS	91,014				91,014
2416 WOOD CHIPS, STAVES, HOLDINGS	754,600				754,600
2421 LUMBER	300			30	262
2431 VENEER, PLYWOOD, WORKED WOOD	99			99	
2491 WOOD MANUFACTURES, NEC	293			4	289
2511 FURNITURE AND FIXTURES	152			151	1
2611 PULP	18,402				18,402
2631 PAPER AND PAPERBOARD	20,345			2,299	18,086
2691 PULP AND PAPER PRODUCTS, NEC	3,505			13	3,572
2711 PRINTED MATTER	7			6	1
2811 CRUDE TAR, OIL, GAS PRODUCTS	6			6	
2812 DYES, PIGMENT, TANNING MATS	4				4
2819 BASIC CHEMICALS AND PROD, NEC	123,439	946		117,076	5,815
2821 PLASTIC MATERIALS	205			148	57
2831 DRUGS	79			2	77
2841 SOAP	56			4	52
2891 PAINTS	95			91	4
2871 NITROGENOUS CHEM FERTILIZERS	163,640			155,395	8,285
2876 INSECTICIDES, DISINFECTANTS	21				21
2879 FERTILIZER AND MATERIALS, NEC	66,286			9,909	56,377
2891 MISCELLANEOUS CHEMICAL PROD	1,526			57	1,469
2911 GASOLINE	237,917	17,262		220,635	
2915 RESIDUAL FUEL OIL	576,030		531,453		44,577
2916 LUBRICATING OILS AND GREASES	195,356	52,287		65,678	77,191
2920 COKE, PETROLEUM COKE	931,895				931,895
3011 RUBBER AND MISC PLASTIC PROD	93			73	20
3111 LEATHER AND LEATHER PRODUCTS	23	12			11
3211 GLASS AND GLASS PRODUCTS	20				4
3241 BUILDING CEMENT	84,309			84,309	
3251 STRUCTURAL CLAY PRODUCTS	107			107	
3291 MISC NONMETALLIC MINERAL PROD	105			77	28
3315 IRON, STEEL SHAPES, ETC SHEET	4,290	48		4,241	1
3316 IRON AND STEEL PLATES, SHEETS	689			469	220
3317 IRON AND STEEL PIPE AND TUBE	1,811			1,560	242
3319 IRON AND STEEL PRODUCTS, NEC	133			99	34
3321 NONFERROUS METALS, NEC	3				3
3322 COPPER ALLOYS, UNWORKED	2				2
3323 LEAD AND ZINC, UNWORKED	18				18
3411 FABRICATED METAL PRODUCTS	366			282	84
3511 MACHINERY, EXCEPT ELECTRICAL	896			293	593
3611 ELECTRICAL MACH AND EQUIP	234			108	126
3711 MOTOR VEHICLES, PARTS, EQUIP	190,242			189,292	950
3731 SHIPS AND BOATS	5			5	
3811 INSTR, TIME, PHOTO, OPT GOODS	13			6	7
3911 MISC MANUFACTURED PRODUCTS	182	6		156	20
4011 IRON AND STEEL SCRAP	115,438				115,438
4012 NONFERROUS METAL SCRAP	9,947			9,947	
4024 PAPER WASTE AND SCRAP	123				123
4112 COMMODITIES, NEC	22			20	2
9999 DEPARTMENT OF DEFENSE AND SCI	399				399
TON-MILES, FOREIGN,	100,834,922.				

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	THROUGH		INBOUND	OUTBOUND	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL	22,250,322	1,736,993	1,510,457	9,892,268	4,456,674	419,946	136,592	3,560,227	537,205
0861 FOREST PRODUCTS, NEC	4				4				
0931 MARINE SHELLS, UNMANUFACTURED	7,018							7,018	
1311 CRUDE PETROLEUM	11,317,037	1,689,576		6,414,338	234,078	413,595	17,164	2,548,286	
1442 SAND, GRAVEL, CRUSHED ROCK	754,905					2,162		752,743	

SAN FRANCISCO, CALIF., DISTRICT

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

FREIGHT TRAFFIC, 1980--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	THROUGH		INBOUND	OUTBOUND	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
1471 PHOSPHATE ROCK	49,843			49,843					
1491 SALT	186,480							186,480	
2061 SUGAR	1,078,512			800,881					278,431
2082 MOLASSES	23,888			23,888					
2810 SODIUM HYDROXIDE	2,400				2,400				
2819 BASIC CHEMICALS AND PROD, NEC	338,209			298,017	40,192				
2871 NITROGENOUS CHEM FERTILIZERS	195,571			191,871	3,700				
2911 GASOLINE	2,149,298	4,193	787,097	163,877	1,221,954			39,059	22,922
2912 JET FUEL	239,857	15,095		125,483	98,769				
2913 KEROSENE	17,895		17,895						
2914 DISTILLATE FUEL OIL	1,219,877	6,336	616,834	226,646	196,472	104,389		5,237	63,163
2915 RESIDUAL FUEL OIL	4,222,327		68,330	1,316,971	2,459,233		4,512	30,090	147,173
2916 LUBRICATING OILS AND GREASES	331,158	17,283	181,181	46,011	156,626		10,137		
2917 NAPHTHA, PETROLEUM SOLVENTS	60,838			35,839	24,199				
2918 ASPHALT, TAR, AND BITUMENS	19,915				19,915				
2991 PETROLEUM AND COAL PROD, NEC	1,830			281	1,549				
3291 MISC NONMETALLIC MINERAL PROD	26,187	4,888							22,187
3411 FABRICATED METAL PRODUCTS	9,962								2,271
3511 MACHINERY, EXCEPT ELECTRICAL	1,143			124	869	3,131	248	320	
3731 SHIPS AND BOATS	2,601				489	1,858	190		1,858
TON-MILES, DOMESTIC	296,330,856								
TONS, ALL TRAFFIC	30,961,039								
TON-MILES, ALL TRAFFIC	357,165,378								

CARQUINEZ STRAIT, CALIF:

SECTION INCLUDED: ALL OF CARQUINEZ STRAIT FROM DAVIS POINT ON THE WESTERLY END TO THE BENICIA-MARTINEZ BRIDGE AT SUISUN POINT ON THE EASTERLY END, A DISTANCE OF ABOUT 8 MILES, CONTROLLING DEPTH: 33 FEET, PROJECT DEPTH: 45 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	21,382,167	1976	24,244,813
1972	22,402,880	1977	24,748,631
1973	22,579,619	1978	21,825,812
1974	22,379,267	1979	22,273,172
1975	23,954,799	1980	29,341,942

FREIGHT TRAFFIC, 1980

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL	21,211,264	1,165,259	375,348	994,411	4,328,658	8,919,180	3,749,612	958,859	723,937
0101 COTTON, RAW	22,118				22,118				
0103 CORN	234,530		11,642		222,888				
0104 OATS	22,047				22,047				
0105 RICE	854,098				854,098				
0107 WHEAT	1,026,838				1,026,838				
0119 OILSEEDS, NEC	4,536		165		4,371				
0129 FIELD CROPS, NEC	61		2	29	30				
0131 FRESH FRUITS AND TREE NUTS	325				325				
0133 COFFEE	11				11				
0141 FRESH AND FROZEN VEGETABLES	26		4		22				
0161 ANIMALS AND PRODUCTS, NEC	1		1						
0841 CRUDE RUBBER AND ALLIED GUMS	41			40	1				
0861 FOREST PRODUCTS, NEC	5		1				4		
0911 FRESH FISH, EXCEPT SHELLFISH	1,088			42	1,046				
1051 ALUMINUM ORES, CONCENTRATES	69,532			69,532					
1091 NONFERROUS ORES, CONCENT, NEC	5,567			5,567					
1311 CRUDE PETROLEUM	7,361,318	712,902				6,173,646	234,078	249,692	
1411 LIMESTONE	469,063			469,063					
1442 SAND, GRAVEL, CRUSHED ROCK	38,745			38,745					
1451 CLAY	78,483				78,483				
1471 PHOSPHATE ROCK	49,843							49,843	
1491 SALT	8,500								
1492 SULPHUR, DRY	177,353				177,353				
1499 NONMETALLIC MINERALS, NEC	458		50	14	394				
1911 ORDNANCE AND ACCESSORIES	1								1
2011 MEAT, FRESH, CHILLED, FROZEN	37								37
2012 MEAT AND PRODUCTS, NEC	43								43
2014 TALLOW, ANIMAL FATS AND OILS	2,695		1,929		766				
2015 ANIMAL BY-PRODUCTS, NEC	113				113				
2022 DRIED MILK AND CREAM	5,687				5,687				
2031 FISH AND SHELLFISH, PREPARED	15	6		9					
2034 VEGETABLES AND PREP, NEC	168	27		90					51
2039 PREP FRUIT AND VEG JUICE, NEC	562	356		19					187
2042 PREPARED ANIMAL FEEDS	132,957		6,421		126,536				

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

CARQUINEZ STRAIT, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
2040 GRAIN MILL PRODUCTS, NEC	32	35		3	4				
2041 SUGAR	800,001					800,001			
2042 MOLASSES	23,006					23,006			
2081 ALCOHOLIC BEVERAGES	58	58							
2091 VEGETABLE OILS, MARG, SHORT	1,114	5			1,109				
2099 MISCELLANEOUS FOOD PRODUCTS	458	165		67	226				
2211 BASIC TEXTILE PRODUCTS	126	6		70	50				
2212 TEXTILE FIBERS, NEC	12			12					
2311 APPAREL	16	2		14					
2411 LOGS	91,014				91,014				
2416 WOOD CHIPS, STAVES, HOLDINGS	754,680				754,680				
2421 LUMBER	300	38			262				
2431 VENEER, PLYWOOD, WORKED WOOD	99			99					
2491 WOOD MANUFACTURES, NEC	293	1		3	289				
2511 FURNITURE AND FIXTURES	192	142		9	1				
2611 PULP	18,402				18,402				
2631 PAPER AND PAPERBOARD	20,345			2,259	18,086				
2691 PULP AND PAPER PRODUCTS, NEC	3,585	11		2	3,572				
2711 PRINTED MATTER	7	1		5	1				
2810 SODIUM HYDROXIDE	2,400								2,400
2811 CRUDE TAR, OIL, GAS PRODUCTS	6				6				
2812 DYES, PIGMENT, TANNING MATS	4				4				
2819 BASIC CHEMICALS AND PROD, NEC	461,102		4	117,078	5,811	9,484		288,533	40,192
2821 PLASTIC MATERIALS	205	125		23	57				
2831 DRUGS	79			2	77				
2841 SOAP	56	1	16	3	36				
2891 PAINTS	95			91	4				
2871 NITROGENOUS CHEM FERTILIZERS	359,211			155,355	8,205			191,671	3,900
2876 INSECTICIDES, DISINFECTANTS	21				21				
2879 FERTILIZER AND MATERIALS, NEC	66,206			9,909	56,377				
2891 MISCELLANEOUS CHEMICAL PROD	1,526	56		1	1,469				
2911 GASOLINE	1,403,666	220,639				163,077	992,036		229,918
2912 JET FUEL	224,252					30,421	98,769	95,062	
2914 DISTILLATE FUEL OIL	423,116					189,685	108,837	40,961	87,635
2919 RESIDUAL FUEL OIL	4,016,801		44,577			1,451,675	2,109,737	51,067	359,745
2916 LUBRICATING OILS AND GREASES	345,706	40,357	25,671	25,521	51,520	40,811	156,479		147
2917 NAPHTHA, PETROLEUM SOLVENTS	60,038					35,214	24,199	625	
2918 ASPHALT, TAR, AND BITUMENS	19,915						19,915		
2920 COKE, PETROLEUM COKE	931,895		275,015		656,880				
2991 PETROLEUM AND COAL PROD, NEC	1,839						1,550	281	
3011 RUBBER AND MISC PLASTIC PROD	93	71		2	20				
3111 LEATHER AND LEATHER PRODUCTS	11				11				
3211 GLASS AND GLASS PRODUCTS	20	8		8	4				
3241 BUILDING CEMENT	84,599	423		83,886					
3291 STRUCTURAL CLAY PRODUCTS	107	107							
3291 MISC NONMETALLIC MINERAL PROD	105	49		20	28				
3319 IRON, STEEL SHAPES, EXC SHEET	4,242	22		4,219	1				
3316 IRON AND STEEL PLATES, SHEETS	689			449	220				
3317 IRON AND STEEL PIPE AND TUBE	1,811	312		1,257	242				
3319 IRON AND STEEL PRODUCTS, NEC	133			99	34				
3321 NONFERROUS METALS, NEC	3			3					
3322 COPPER ALLOYS, UNWORKED	2			2					
3323 LEAD AND ZINC, UNWORKED	16			16					
3411 FABRICATED METAL PRODUCTS	300	126		156	84				
3511 MACHINERY, EXCEPT ELECTRICAL	1,010	42	47	251	546			124	
3611 ELECTRICAL MACH AND EQUIP	234	79	72	29	54				
3711 MOTOR VEHICLES, PARTS, EQUIP	190,242	188,955	826	337	124				
3731 SHIPS AND BOATS	5			5					
3811 INSTR, TIME, PHOTO, OPT GOODS	13	5	2	1	5				
3911 MISC MANUFACTURED PRODUCTS	176	132	6	24	14				
4011 IRON AND STEEL SCRAP	115,438				115,438				
4012 NONFERROUS METAL SCRAP	9,947			9,947					
4024 PAPER WASTE AND SCRAP	123		95		68				
4112 COMMODITIES, NEC	22			17	2				
9999 DEPARTMENT OF DEFENSE AND SCI	399	3	348		51				

TON-MILES, OCEANGOING, 144,181,447.

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	THROUGH	
					UPBOUND	DOWNBOUND
TOTAL	4,130,678	2,569,248	449,753	47,829	999,554	64,294
1311 CRUDE PETROLEUM	2,577,073	2,488,255		28,787	60,031	
1442 SAND, GRAVEL, CRUSHED ROCK	752,743				752,743	
1491 SALT	186,480				186,480	
2041 SUGAR	278,431			278,431		
2911 GASOLINE	68,500	45,688		6,803		16,319
2914 DISTILLATE FUEL OIL	75,028	5,237		32,245	6,628	30,918
2919 RESIDUAL FUEL OIL	190,400	30,088		132,474	10,781	17,057
2916 LUBRICATING OILS AND GREASES	1,833				1,833	
3411 FABRICATED METAL PRODUCTS	300					300

TON-MILES, INTERNAL, 27,087,179.

TONS, ALL TRAFFIC, 25,341,942.

TON-MILES, ALL TRAFFIC, 171,268,626.

SAN FRANCISCO, CALIF., DISTRICT

SUISUN BAY CHANNEL, CALIF.

SECTION INCLUDED: SUISUN BAY CHANNEL FROM SUISUN POINT AT WEST END OF BENICIA-MARTINEZ BRIDGE TO EAST BEACH OF MIDDLEGROUND ISLAND THENCE TO MOUTH OF NEW YORK SLOUGH, CONTROLLING DEPTH 32.9 FEET FROM SUISUN POINT TO AVON WHARF 31.9 FEET TO PRESTON POINT 29.7 FEET TO MIDDLE POINT 29.7 FEET THROUGH EAST BEACH MIDDLEGROUND ISLAND TO MOUTH OF NEW YORK SLOUGH; 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
1971	7,177,925	1976	8,210,165
1972	7,218,913	1977	7,920,404
1973	7,901,233	1978	5,787,360
1974	7,573,879	1979	6,121,200
1975	8,664,782	1980	8,092,843

FREIGHT TRAFFIC, 1980

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	IMPORTS	EXPORTS	THROUGH	
				UPBOUND	DOWNBOUND
TOTAL	5,323,669	25,921	51,274	968,690	4,277,384
0101 COTTON, RAW	22,118				22,118
0103 CORN	222,888				222,888
0104 OATS	22,847				22,847
0105 RICE	854,898				854,898
0107 WHEAT	1,026,438				1,026,438
0119 OILSEEDS, NEC	4,371				4,371
0129 FIELD CROPS, NEC	59			29	30
0131 FRESH FRUITS AND TREE NUTS	325				325
0133 COFFEE	11				11
0141 FRESH AND FROZEN VEGETABLES	22				22
0841 CRUDE RUBBER AND ALLIED BUMS	41			40	1
0911 FRESH FISH, EXCEPT SHELLFISH	1,088			42	1,046
1091 ALUMINUM ORES, CONCENTRATES	69,532			69,532	
1091 NONFERROUS ORES, CONCENT, NEC	5,567			5,567	
1411 LIMESTONE	469,883			469,883	
1442 SAND, GRAVEL, CRUSHED ROCK	39,745			39,745	
1451 CLAY	78,483				78,483
1492 SULPHUR, DRY	177,353				177,353
1499 NONMETALLIC MINERALS, NEC	408			14	394
1911 ORDNANCE AND ACCESSORIES	1				1
2011 MEAT, FRESH, CHILLED, FROZEN	37				37
2012 MEAT AND PRODUCTS, NEC	43				43
2014 TALLOW, ANIMAL FATS AND OILS	786				786
2015 ANIMAL BY-PRODUCTS, NEC	113				113
2022 DRIED MILK AND CREAM	9,687				9,687
2031 FISH AND SHELLFISH, PREPARED	9			9	
2034 VEGETABLES AND PREP, NEC	141			90	51
2039 PREP FRUIT AND VEG JUICE, NEC	206			19	187
2042 PREPARED ANIMAL FEEDS	126,536				126,536
2049 GRAIN MILL PRODUCTS, NEC	7			3	4
2091 VEGETABLE OILS, MARK, SHORT	1,109				1,109
2099 MISCELLANEOUS FOOD PRODUCTS	293			87	226
2211 BASIC TEXTILE PRODUCTS	120			70	50
2212 TEXTILE FIBERS, NEC	12			12	
2311 APPAREL	14			14	
2411 LOGS	91,014				91,014
2416 WOOD CHIPS, STAVES, HOLDINGS	754,680				754,680
2421 LUMBER	262				262
2431 VENEER, PLYWOOD, WORKED WOOD	99			99	
2491 WOOD MANUFACTURES, NEC	292			3	289
2511 FURNITURE AND FIXTURES	10			9	1
2611 PULP	18,402				18,402
2631 PAPER AND PAPERBOARD	20,345			2,299	18,086
2691 PULP AND PAPER PRODUCTS, NEC	3,974			2	3,972
2711 PRINTED MATTER	6			5	1
2811 CRUDE TAR, OIL, GAS PRODUCTS	6				6
2812 DYES, PIGMENT, TANNING MATS	4				4
2819 BASIC CHEMICALS AND PROD, NEC	122,889			117,078	5,811
2821 PLASTIC MATERIALS	80			23	57
2831 DRUGS	79			2	77
2841 SOAP	39			3	36
2851 PAINTS	95			91	4
2871 NITROGENOUS CHEM FERTILIZERS	163,640			155,395	8,285
2876 INSECTICIDES, DISINFECTANTS	21				21
2879 FERTILIZER AND MATERIALS, NEC	66,286			9,900	56,377
2891 MISCELLANEOUS CHEMICAL PROD	1,470			1	1,469
2916 LUBRICATING OILS AND GREASES	77,041	25,921	51,274		246
2920 COKE, PETROLEUM COKE	656,880				656,880
3011 RUBBER AND MISC PLASTIC PROD	22			2	20
3111 LEATHER AND LEATHER PRODUCTS	11				11
3211 GLASS AND GLASS PRODUCTS	12			8	4
3241 BUILDING CEMENT	83,886			83,886	
3291 MISC NONMETALLIC MINERAL PROD	96			28	20
3315 IRON, STEEL SHAPES, EXC SHEET	4,220			4,219	1
3316 IRON AND STEEL PLATES, SHEETS	689			469	220
3317 IRON AND STEEL PIPE AND TUBE	1,499			1,297	242
3319 IRON AND STEEL PRODUCTS, NEC	133			99	34
3321 NONFERROUS METALS, NEC	3				3
3322 COPPER ALLOYS, UNWORKED	2				2
3323 LEAD AND ZINC, UNWORKED	18				18
3411 FABRICATED METAL PRODUCTS	240			196	84
3511 MACHINERY, EXCEPT ELECTRICAL	797			291	946
3611 ELECTRICAL MACH AND EQUIP	83			29	54
3711 MOTOR VEHICLES, PARTS, EQUIP	461			337	124

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

SUISUN BAY CHANNEL, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	IMPORTS	EXPORTS	THROUGH	
				UPBOUND	DOWNBOUND
3731 SHIPS AND BOATS-----	5			5	
3811 INSTR, TIME, PHOTO, OPT GOODS-----	6			1	5
3911 MISC MANUFACTURED PRODUCTS-----	38			24	14
4011 IRON AND STEEL SCRAP-----	115,438				115,438
4812 NONFERROUS METAL SCRAP-----	9,947			9,947	
4924 PAPER WASTE AND SCRAP-----	68				68
4112 COMMODITIES, NEC-----	19			17	2
9999 DEPARTMENT OF DEFENSE AND SCI-----	91				91
TON-MILES, FOREIGN,	68,895,192.				

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	THROUGH		INBOUND	OUTBOUND	DOWNBOUND	THROUGH UPBOUND
				UPBOUND	DOWNBOUND				
TOTAL-----	2,769,774	328,190	637,463	625,233	66,474	62,389	79,907	10,595	939,523
1311 CRUDE PETROLEUM-----	300,723	246,692				60,031			
1442 SAND, GRAVEL, CRUSHED ROCK-----	752,743								752,743
1471 PHOSPHATE ROCK-----	49,843			49,843					
1491 SALT-----	186,480								186,480
2810 SODIUM HYDROXIDE-----	2,400				2,400				
2819 BASIC CHEMICALS AND PROD, NEC-----	328,725			288,533	40,192				
2871 NITROGENOUS CHEM FERTILIZERS-----	195,571			191,671	3,900				
2911 GASOLINE-----	261,850		229,918				31,932		
2912 JET FUEL-----	95,062			95,062					
2914 DISTILLATE FUEL OIL-----	170,109	40,961	87,635				30,918	10,595	
2915 RESIDUAL FUEL OIL-----	424,791	45,631	339,763		19,982	2,358	17,957		
2916 LUBRICATING OILS AND GREASES-----	147		147						
2917 NAPHTHA, PETROLEUM SOLVENTS-----	625	625							
2991 PETROLEUM AND COAL PROD, NEC-----	281	281							
3411 FABRICATED METAL PRODUCTS-----	300								300
3911 MACHINERY, EXCEPT ELECTRICAL-----	124			124					
TON-MILES, DOMESTIC,	23,449,088.								
TONS, ALL TRAFFIC,	8,092,843.								
TON-MILES, ALL TRAFFIC,	91,800,240.								

HUMBOLDT HARBOR AND BAY, CALIF.

SECTION INCLUDED: ENTRANCE CHANNEL TO BAY AND CHANNELS IN BAY BETWEEN ARCATO WHARF ON THE NORTH AND FIELDS LANDING ON THE SOUTH, CONTROLLING DEPTH: BAR ENTRANCE CHANNEL, 39.0 FEET; CHANNEL BETWEEN THE JETTIES 30.1 FEET; CHANNEL AT INTERSECTION OF FIELDS LANDING AND NORTH BAY CHANNEL, 28.4 FEET; NORTH BAY CHANNEL, 24.9 FEET TO STANDARD OIL WHARF AT BUCKSPORT, 33.9 FEET FOR REMAINDER OF CHANNEL; SAMOA CHANNEL, 33.7 FEET; EUREKA CHANNEL, 34.8 FEET TO ANGLE IN CHANNEL, 11.4 FEET TO D STREET, 11.9 FEET TO HEAD OF PROJECT; FIELDS LANDING CHANNEL, 14.2 FEET TO BUOY 10; 26.9 FEET TO TURNING BASIN, 21 FEET IN TURNING BASIN, 18.6 FEET IN SOUTHEAST CORNER OF TURNING BASIN. PROJECT DEPTH: ENTRANCE CHANNEL, 40 FEET; NORTH BAY, SAMOA, AND LOWER PORTION OF EUREKA CHANNEL, 30 FEET, UPPER PORTION OF EUREKA CHANNEL AND FIELDS LANDING CHANNEL, 26 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971-----	1,113,955		1,113,955	1976-----	1,775,516		1,775,516
1972-----	1,074,126		1,074,126	1977-----	1,644,573		1,644,573
1973-----	1,431,538		1,431,538	1978-----	1,454,665		1,454,665
1974-----	1,397,567		1,397,567	1979-----	1,313,116		1,313,116
1975-----	1,357,944		1,357,944	1980-----	1,324,045		1,324,045

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC
		IMPORTS	EXPORTS	COASTWISE RECEIPTS
TOTAL-----	1,324,045	7,995	1,025,176	290,880
2034 VEGETABLES AND PREP, NEC-----	111	111		
2039 PREP FRUIT AND VEG JUICE, NEC-----	38	38		
2099 MISCELLANEOUS FOOD PRODUCTS-----	174	173		
2311 APPAREL-----	3	3		
2411 LOGS-----	68,828		68,828	
2416 WOOD CHIPS, STAVES, HOLDINGS-----	616,560		616,560	
2421 LUMBER-----	12,259		12,259	
2431 VENEER, PLYWOOD, WORKED WOOD-----	190		190	
2491 WOOD MANUFACTURES, NEC-----	26	1		25
2511 FURNITURE AND FIXTURES-----	45	45		

SAN FRANCISCO, CALIF., DISTRICT

HUMBOLDT HARBOR AND BAY, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1966--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC
		IMPORTS	EXPORTS	RECEIPTS
2611 PULP-----	326,068		326,068	
2631 PAPER AND PAPERBOARD-----	391		391	
2691 PULP AND PAPER PRODUCTS, NEC-----	23	23		
2810 SODIUM HYDROXIDE-----	84,715			84,715
2818 SULPHURIC ACID-----	5,472			5,472
2819 BASIC CHEMICALS AND PROD, NEC-----	7,381	191		7,190
2831 DRUGS-----	12	12		
2891 PAINTS-----	192	192		
2891 MISCELLANEOUS CHEMICAL PROD-----	35,400			35,400
2911 GASOLINE-----	27,930			27,930
2914 DISTILLATE FUEL OIL-----	56,360			56,360
2919 RESIDUAL FUEL OIL-----	73,893			73,893
3611 RUBBER AND MISC PLASTIC PROD-----	230	230		
3211 GLASS AND GLASS PRODUCTS-----	1	1		
3291 MISC NONMETALLIC MINERAL PROD-----	2	2		
3319 IRON, STEEL SHAPES, EXC SHEET-----	6,493	6,493		
3317 IRON AND STEEL PIPE AND TUBE-----	34	34		
3411 FABRICATED METAL PRODUCTS-----	43	43		
3511 MACHINERY, EXCEPT ELECTRICAL-----	402	389	13	
3611 ELECTRICAL MACH AND EQUIP-----	26	3	23	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	21	18	3	
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1	1		
3911 MISC MANUFACTURED PRODUCTS-----	7	7		
4112 COMMODITIES, NEC-----	74	74		
TOTAL TON-MILES.	7,456,714.			

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT				
BERKELEY, CALIF.	1442 SAND, GRAVEL, CRUSHED ROCK	714		
	3291 MISC NONMETALLIC MINERAL PROD	3,050		
	TOTAL	3,764		
BOHEGA BAY, CALIF.	NO COMMERCE REPORTED			
CRESCENT CITY HARBOR, CALIF.	NO COMMERCE REPORTED			
HALF MOON BAY, CALIF.	NO COMMERCE REPORTED			
MONTEREY HARBOR, CALIF.	NO COMMERCE REPORTED			
NAPA RIVER, CALIF.	1491 SALT	186,480		
	3411 FABRICATED METAL PRODUCTS	5,962		
	3911 MACHINERY, EXCEPT ELECTRICAL	1,019		
	3731 SHIPS AND BOATS	2,601		
	TOTAL	196,062	1,606,624	
NOYO RIVER, CALIF.	NO COMMERCE REPORTED			
PEYALUNA RIVER, CALIF.	0931 MARINE SHELLS, UNMANUFACTURED	7,018		
	3291 MISC NONMETALLIC MINERAL PROD	22,187		
	TOTAL	29,205	321,255	
SAN RAFAEL CREEK, CALIF.	NO COMMERCE REPORTED			
SANTA CRUZ HARBOR, CALIF.	NO COMMERCE REPORTED			
SUISUN CHANNEL, CALIF.	NO COMMERCE REPORTED			
NONPROJECT				
OTHER SAN FRANCISCO BAY AREA PORTS, CALIF, (NET)	0931 MARINE SHELLS, UNMANUFACTURED	7,018		
	1311 CRUDE PETROLEUM	11,159,088		
	1442 SAND, GRAVEL, CRUSHED ROCK	1,096,823		
	2416 WOOD CHIPS, STAVES, MOLDINGS	27,098		
	2911 GASOLINE	51,638		
	2912 JET FUEL	3,658		
	2913 KEROSENE	4,994		
	2914 DISTILLATE FUEL OIL	37,657		
	2915 RESIDUAL FUEL OIL	156,302		
	3291 MISC NONMETALLIC MINERAL PROD	16,942		
	3911 MISC MANUFACTURED PRODUCTS	1		
		TOTAL	12,561,219	

PACIFIC OCEAN DIVISION

29

HILO HARBOUR, MAHAI, MAHAI

SECTION INCLUDED: PORT OF HILO, CONTROLLING DEPTH: 84.5 FEET, PROJECT DEPTH: 35 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	1,064,386	2,168	1976	995,544	1,313
1972	1,100,067	658	1977	1,013,630	8,381
1973	1,041,647		1978	1,272,734	3,207
1974	928,619	9,600	1979	1,220,430	
1975	1,093,079	13,613	1980	1,102,619	

FREIGHT TRAFFIC, 1980 (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWATER		INVERNAL
				RECEIPTS	SHIPMENTS	
TOTAL	1,102,619	29,304	41,777	646,931	387,605	322
0105 RICE	3,331			3,331		
0107 WHEAT	2,301			2,301		
0131 FRESH FRUITS AND TREE NUTS	3,083			552	2,531	
0133 COFFEE	724			29	695	
0141 FRESH AND FROZEN VEGETABLES	4,698			4,341	357	
0151 LIVE ANIMALS	1,377			530	847	
0161 ANIMALS AND PRODUCTS, NEC	957			557		
0191 MISCELLANEOUS FARM PRODUCTS	1,089			79	1,010	
0861 FOREST PRODUCTS, NEC	305			394	1	
0911 FRESH FISH, EXCEPT SHELLFISH	314					314
0912 SHELLFISH, EXCEPT PREPARED	325			317		8
1091 NONFERROUS PRES, CONCENT, NEC	249			249		
1491 SALT	465			465		
1494 GYPSUM, CRUDE AND PLASTERS	822			822		
1499 NONMETALLIC MINERALS, NEC	4			4		
1911 ORDNANCE AND ACCESSORIES	52			49	3	
2011 MEAT, FRESH, CHILLED, FROZEN	5,048			4,686	362	
2015 ANIMAL BY-PRODUCTS, NEC	140				140	
2021 DAIRY PRODUCTS, NEC	373			373		
2034 VEGETABLES AND PREP, NEC	9,791			6,179	1,612	
2039 PREP FRUIT AND VEG JUICE, NEC	2,862			602	2,260	
2041 WHEAT FLOUR AND SEMOLINA	777			777		
2042 PREPARED ANIMAL FEEDS	20,581			20,580	1	
2049 GRAIN MILL PRODUCTS, NEC	1,506			1,506		
2061 SUGAR	188,882			23	188,859	
2062 MOLASSES	86,035		41,777		44,258	
2081 ALCOHOLIC BEVERAGES	10,036			10,036		
2091 VEGETABLE OILS, MARG, SHORT	395			395		
2094 GROCERIES	6,896			6,749	147	
2099 MISCELLANEOUS FOOD PRODUCTS	33,699			15,663	18,036	
2111 TOBACCO MANUFACTURES	2				2	
2211 BASIC TEXTILE PRODUCTS	399			329		
2413 FUEL WOOD, CHARCOAL, WASTES	511			511		
2414 TIMBER, POSTS, POLES, PILING	64			64		
2421 LUMBER	29,173			26,422	2,751	
2431 VENEER, PLYWOOD, WORKED WOOD	1,696			1,696		
2491 WOOD MANUFACTURES, NEC	10,536			3,541	6,995	
2511 FURNITURE AND FIXTURES	2,638			2,638		
2631 PAPER AND PAPERBOARD	1,062			1,062		
2691 PULP AND PAPER PRODUCTS, NEC	17,905			17,477	428	
2810 SODIUM HYDROXIDE	207			207		
2819 BASIC CHEMICALS AND PROD, NEC	676			671	5	
2821 PLASTIC MATERIALS	419			410		
2841 SOAP	1,135			1,135		
2851 PAINTS	665			641	24	
2871 NITROGENOUS CHEM FERTILIZERS	22,713	12,134		10,579		
2873 PHOSPHATIC CHEM FERTILIZERS	4,222	4,222				
2876 INSECTICIDES, DISINFECTANTS	606			606		
2879 FERTILIZER AND MATERIALS, NEC	17,913			16,532	1,381	
2891 MISCELLANEOUS CHEMICAL PROD	425			424	1	
2911 GASOLINE	57,873			57,873		
2912 JET FUEL	1,843			1,843		
2914 DISTILLATE FUEL OIL	10,044			10,044		
2915 RESIDUAL FUEL OIL	67,358			67,358		
2917 NAPHTHA, PETROLEUM SOLVENTS	51			51		
2918 ASPHALT, TAR, AND PITCHES	2,076			2,076		
2921 LIQUEFIED GASES	13,694	7,348		6,346		
2951 ASPHALT BUILDING MATERIALS	10			10		
2991 PETROLEUM AND COAL PROD, NEC	2,501			2,501		
3011 RUBBER AND MISC PLASTIC PROD	3,491			3,058	433	
3211 GLASS AND GLASS PRODUCTS	3,780			2,769	1,011	
3241 BUILDING CEMENT	34,719	1,600		33,089	30	
3251 STRUCTURAL CLAY PRODUCTS	252			252		
3261 CUT STONE AND STONE PRODUCTS	174			174		
3291 MISC NONMETALLIC MINERAL PROD	7,255			7,243	12	
3311 PIG IRON	14			14		
3312 SLAG	60			60		
3314 IRON AND STEEL PRIMARY FORMS	1,149			1,149		
3315 IRON, STEEL SHAPES, EXC SHEET	4,951			4,891	60	
3316 IRON AND STEEL PLATES, SHEETS	2,984			2,984		
3317 IRON AND STEEL PIPE AND TUBE	2,848			2,848		
3319 IRON AND STEEL PRODUCTS, NEC	882			882		
3321 NONFERROUS METALS, NEC	32			32		
3411 FABRICATED METAL PRODUCTS	168,697			111,316	57,381	

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

HILO HARBOR, HAWAII, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
3511 MACHINERY, EXCEPT ELECTRICAL	1,244			960	284	
3611 ELECTRICAL MACH AND EQUIP	3,189			2,470	719	
3711 MOTOR VEHICLES, PARTS, EQUIP	92,129			62,424	29,705	
3721 AIRCRAFT AND PARTS	23			23		
3731 SHIPS AND BOATS	1,121			921	200	
3791 MISC TRANSPORTATION EQUIPMENT	11,322			6,129	5,193	
3811 MISC MANUFACTURED PRODUCTS	4,922			4,096	826	
4011 IRON AND STEEL SCRAP	1,174				1,174	
4112 COMMODITIES, NEC	100,135			82,490	17,645	
4119 EMPTY CONTAINERS	338			12	326	

KANAIWAE HARBOR, HAWAII, HAWAII

SECTION INCLUDED: PORT OF KANAIWAE, CONTROLLING DEPTH: 38.2 FEET IN ENTRANCE CHANNEL AND 34.0 FEET IN HARBOR BASIN. PROJECT DEPTH: HARBOR BASIN 35 FEET; ENTRANCE CHANNEL 40 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	355,946	1976	263,562
1972	303,116	1977	318,197
1973	385,850	1978	502,451
1974	291,036	1979	447,521
1975	279,687	1980	518,116

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
TOTAL	518,116	408	66,985	180,583	270,486	54
0122 HAY AND FODDER	2				2	
0131 LIVE ANIMALS	33,545			4,887	28,658	
0911 FRESH FISH, EXCEPT SHELLFISH	54					54
1442 SAND, GRAVEL, CRUSHED ROCK	3,600				3,600	
1911 ORDNANCE AND ACCESSORIES	859			808	1	
2034 VEGETABLES AND PREP, NEC	2,790			255	2,535	
2042 PREPARED ANIMAL FEEDS	717			704	13	
2041 SUGAR	165,763				165,763	
2062 MOLASSES	21,484				21,484	
2099 MISCELLANEOUS FOOD PRODUCTS	21,459			4,667	16,792	
2414 TIMBER, POSTS, POLES, PILING	47			47		
2416 WOOD CHIPS, STAVES, HOLDINGS	66,985		66,985			
2421 LUMBER	852			830	22	
2491 WOOD MANUFACTURES, NEC	2,235			1,009	1,226	
2511 FURNITURE AND FIXTURES	1,351			1,351		
2631 PAPER AND PAPERBOARD	40			40		
2691 PULP AND PAPER PRODUCTS, NEC	2,686			2,646	40	
2821 PLASTIC MATERIALS	402	402				
2891 MISCELLANEOUS CHEMICAL PROD	99			99		
2911 GASOLINE	11,435			11,435		
2914 DISTILLATE FUEL OIL	11,287			11,287		
2916 LUBRICATING OILS AND GREASES	839			839		
2918 ASPHALT, TAR, AND BITUMENS	50			50		
3011 RUBBER AND MISC PLASTIC PROD	437		2	382	53	
3211 GLASS AND GLASS PRODUCTS	549			378	171	
3241 BUILDING CEMENT	13,835			13,835		
3291 MISC NONMETALLIC MINERAL PROD	492			492		
3315 IRON, STEEL SHAPES, EXC SHEET	2,219			2,205	4	
3317 IRON AND STEEL PIPE AND TUBE	766			766		
3411 FABRICATED METAL PRODUCTS	57,953		4	43,573	14,376	
3711 MOTOR VEHICLES, PARTS, EQUIP	42,821			33,068	9,753	
3731 SHIPS AND BOATS	2,317			1,654	663	
3791 MISC TRANSPORTATION EQUIPMENT	9,450			7,275	2,175	
4112 COMMODITIES, NEC	39,156			36,001	3,155	

KAMULUI HARBOR, MAUI, HAWAII

SECTION INCLUDED: PORT OF KAMULUI, CONTROLLING DEPTH: 33.6 FEET, PROJECT DEPTH: 35 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	1,067,941		1976	1,276,424	1,307
1972	1,297,829		1977	1,301,095	8,390
1973	1,042,818		1978	1,922,112	3,479
1974	982,110	9,600	1979	1,473,307	
1975	1,109,485	11,296	1980	1,441,524	

PACIFIC OCEAN DIVISION

KAHULUI HARBOR, MAUI, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1960

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		INVENAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL	1,441,924	31,916	46,270	793,938	689,326	64
0105 RICE	2,049		0	2,041		
0122 HAY AND FODDER	112			112		
0131 FRESH FRUITS AND TREE NUTS	1,615		7	659	749	
0141 FRESH AND FROZEN VEGETABLES	5,193		35	5,153	5	
0191 LIVE ANIMALS	6,940			1,094	5,846	
0161 ANIMALS AND PRODUCTS, NEC	7		7			
0191 MISCELLANEOUS FARM PRODUCTS	141			96	85	
0861 FOREST PRODUCTS, NEC	268			268		
0911 FRESH FISH, EXCEPT SHELLFISH	64					64
0912 SHELLFISH, EXCEPT PREPARED	96			94		2
1091 NONFERROUS ORES, CONCENT, NEC	148			148		
1442 SAND, GRAVEL, CRUSHED ROCK	12,608				12,608	
1491 SALT	88			88		
1494 GYPSUM, CRUDE AND PLASTERS	1,398			1,398		
1911 ORDNANCE AND ACCESSORIES	19			19		
2011 MEAT, FRESH, CHILLED, FROZEN	3,930		14	3,864	50	
2012 MEAT AND PRODUCTS, NEC	3		3			
2015 ANIMAL BY-PRODUCTS, NEC	50				50	
2021 DAIRY PRODUCTS, NEC	361		1	360		
2022 DRIED MILK AND CREAM	4		4			
2031 FISH AND SHELLFISH, PREPARED	60				60	
2034 VEGETABLES AND PREP, NEC	11,604		9	6,133	5,952	
2039 PREP FRUIT AND VEG JUICE, NEC	114,785		10	447	114,328	
2041 WHEAT FLOUR AND SEMOLINA	4			4		
2042 PREPARED ANIMAL FEEDS	15,941			15,899	42	
2049 GRAIN MILL PRODUCTS, NEC	137		13	124		
2061 SUGAR	270,645		5	766	269,874	
2062 MOLASSES	90,094		38,947		51,587	
2081 ALCOHOLIC BEVERAGES	10,956		11	10,936	7	
2091 VEGETABLE OILS, MARG, SHORT	765			765		
2094 GROCERIES	5,453			5,452	1	
2099 MISCELLANEOUS FOOD PRODUCTS	27,390		29	16,843	10,587	
2111 TOBACCO MANUFACTURES	2		2			
2211 BASIC TEXTILE PRODUCTS	396		1	395		
2411 LOGS	7,540		7,940			
2413 FUEL WOOD, CHARCOAL, WASTES	239			239		
2414 TIMBER, POSTS, POLES, PILING	129			129		
2421 LUMBER	11,415			10,533	882	
2431 VENEER, PLYWOOD, WORKED WOOD	1,974			1,974		
2491 WOOD MANUFACTURES, NEC	11,819			8,226	5,993	
2511 FURNITURE AND FIXTURES	4,355			4,350	5	
2631 PAPER AND PAPERBOARD	1,165			1,158	7	
2691 PULP AND PAPER PRODUCTS, NEC	10,567		1	15,942	654	
2711 PRINTED MATTER	41			41		
2810 SODIUM HYDROXIDE	212			198	14	
2813 ALCOHOLS	7			7		
2818 SULPHURIC ACID	308			308		
2819 BASIC CHEMICALS AND PROD, NEC	1,576		41	1,535		
2821 PLASTIC MATERIALS	1,770			1,770		
2841 SOAP	1,044			1,014		
2851 PAINTS	202			202		
2871 NITROGENOUS CHEM FERTILIZERS	16,298	4,617		11,081	680	
2876 INSECTICIDES, DISINFECTANTS	666			665	1	
2879 FERTILIZER AND MATERIALS, NEC	2,961			2,961		
2891 MISCELLANEOUS CHEMICAL PROD	1,729			1,729		
2911 GASOLINE	54,923			54,923		
2912 JET FUEL	3,661			3,661		
2914 DISTILLATE FUEL OIL	21,673			21,673		
2915 RESIDUAL FUEL OIL	28,617			28,617		
2916 LUBRICATING OILS AND GREASES	1,405			1,405		
2918 ASPHALT, TAR, AND PITCHES	3,701			3,683	18	
2921 LIQUEFIED GASES	7,972	4,061		3,911		
2951 ASPHALT BUILDING MATERIALS	39			39		
2991 PETROLEUM AND COAL PROD, NEC	2,237			2,237		
3011 RUBBER AND MISC PLASTIC PROD	2,574		2	2,178	394	
3211 GLASS AND GLASS PRODUCTS	3,083			2,482	601	
3241 BUILDING CEMENT	48,675	2,335		46,340		
3251 STRUCTURAL CLAY PRODUCTS	310			310		
3261 CUT STONE AND STONE PRODUCTS	129			129		
3291 MISC NONMETALLIC MINERAL PROD	11,072			11,072		
3312 SLAG	69			69		
3314 IRON AND STEEL PRIMARY FORMS	1,731			1,731		
3315 IRON, STEEL SHAPES, EXC SHEET	22,738	19,468		3,270		
3316 IRON AND STEEL PLATES, SHEETS	1,168			1,168		
3317 IRON AND STEEL PIPE AND TUBE	4,778			4,777	1	
3319 IRON AND STEEL PRODUCTS, NEC	100			100		
3321 NONFERROUS METALS, NEC	17			17		
3323 LEAD AND ZINC, UNWORKED	46			46		
3411 FABRICATED METAL PRODUCTS	256,423	358		212,417	43,648	
3511 MACHINERY, EXCEPT ELECTRICAL	2,174	591		1,530	53	
3611 ELECTRICAL MACH AND EQUIP	2,642	8		2,056	578	
3711 MOTOR VEHICLES, PARTS, EQUIP	133,551	475		82,227	50,799	
3731 SHIPS AND BOATS	1,968			1,480	488	
3791 MISC TRANSPORTATION EQUIPMENT	24,574			14,935	9,639	
3911 MISC MANUFACTURED PRODUCTS	2,608			2,137	471	
4011 IRON AND STEEL SCRAP	2,858				2,858	
4112 COMMODITIES, NEC	128,458			108,302	20,156	
4119 EMPTY CONTAINERS	655			112	543	

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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; 38 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
1971	2,677,542	1976	6,593,497
1972	3,420,445	1977	6,630,994
1973	3,944,857	1978	6,306,580
1974	4,360,221	1979	6,154,541
1975	5,185,659	1980	5,725,722

* PASSENGERS--446.

FREIGHT TRAFFIC, 1980
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL	5,725,722	2,700,105	77,742	2,783,031	164,844
3311 CRUDE PETROLEUM	3,322,373	911,926		2,410,447	
2819 BASIC CHEMICALS AND PROD, NEC	9,484				9,484
2891 PAINTS	13,523				
2911 GASOLINE	733,476	705,410	1,658	1,947	24,461
2913 KEROSENE	718		718		
2914 DISTILLATE FUEL OIL	384,416	241,540	75,366	51,802	15,628
2915 RESIDUAL FUEL OIL	947,681	650,968		297,993	
2916 LUBRICATING OILS AND GREASES	175,540	109,540			
2917 NAPHTHA, PETROLEUM SOLVENTS	101,215				101,215
2918 ASPHALT, TAR, AND BITUMENS	12,715			12,715	
2921 LIQUEFIED GASES	84,725	71,590			13,135
2991 PETROLEUM AND COAL PROD, NEC	8,780			7,859	921
3291 MISC NONMETALLIC MINERAL PROD	4	4			
3511 MACHINERY, EXCEPT ELECTRICAL	834	1			833
4111 WATER	255				255
4112 COMMODITIES, NEC	3	3			

HONOLULU HARBOR, OAHU, HAWAII

SECTION INCLUDED: PORT OF HONOLULU. CONTROLLING DEPTH: 37.9 FEET IN THE ENTRANCE CHANNEL; 34.2 FEET IN THE MAIN HARBOR BASIN; 34.1 FEET IN KAPALAMA BASIN; 35.0 FEET IN THE CONNECTING CHANNEL; 39.7 FEET IN KALIHI CHANNEL. PROJECT DEPTH: 40 FEET IN THE ENTRANCE CHANNEL; 35 FEET IN HARBOR BASIN, CONNECTING CHANNEL AND KALIHI CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	7,390,015	518,603	1976	7,189,538	1,390,524
1972	7,960,447	798,694	1977	6,881,556	303,291
1973	8,180,466	989,100	1978	7,750,537	183,721
1974	7,550,891	967,475	1979	7,463,663	311,899
1975	7,935,183	1,073,125	1980	7,646,270	547,242

FREIGHT TRAFFIC, 1980
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		LOCAL	
				RECEIPTS	SHIPMENTS		INTERNAL
TOTAL	7,446,270	1,174,991	112,181	3,519,244	2,036,903	343	3,008
0101 COTTON, RAW	472		472				
0102 BARLEY AND RYE	5,757			5,757			
0103 CORN	32,360			32,360			
0104 OATS	760		760				
0105 RICE	44,038		2,205	39,066	6,767		
0107 WHEAT	24,816			24,816			
0111 SOYBEANS	234	1	2				
0119 OILSEEDS, NEC	82	82					
0121 TOBACCO, LEAF	99						
0122 HAY AND FODDER	5,454			5,454			
0129 FIELD CROPS, NEC	305	11					
0131 FRESH FRUITS AND TREE NUTS	303,352	1,071	2,361	241,671	58,249		
0133 COFFEE	3,215	56	16	2,759	384		
0141 FRESH AND FROZEN VEGETABLES	155,896	252	195	143,970	11,489		
0151 LIVE ANIMALS	49,421			40,823	8,598		
0161 ANIMALS AND PRODUCTS, NEC	2,619	258	103	1,763	495		
0191 MISCELLANEOUS FARM PRODUCTS	2,996	1	13	1,836	1,146		
0861 FOREST PRODUCTS, NEC	2,851	174		1,988	689		
0911 FRESH FISH, EXCEPT SHELLFISH	9,396	8,965	190			331	
0912 SHELLFISH, EXCEPT PREPARED	3,854	298	42	3,046	546	12	
0931 MARINE SHELLS, UNMANUFACTURED	4			4			
1091 NONFERROUS ORES, CONCENT, NEC	3,722			2,984	438		
1121 COAL AND LIGNITE	67,314	46,815		499			
1411 LIMESTONE	40,195	40,189	6				
1412 BUILDING STONE, UNWORKED	22			2			
1442 SAND, GRAVEL, CRUSHED ROCK	58,661	34,367		20,799	3,495		

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

HONOLULU HARBOR, OAHU, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	
3511 MACHINERY, EXCEPT ELECTRICAL	21,506	2,225	315	12,196	6,770		
3611 ELECTRICAL MACH AND EQUIP	66,397	1,960	143	31,647	32,647		
3711 MOTOR VEHICLES, PARTS, EQUIP	480,535	34,943	127	183,499	281,966		
3721 AIRCRAFT AND PARTS	184			105	29		
3731 SHIPS AND BOATS	8,778	259	15	2,397	6,131		
3791 MISC TRANSPORTATION EQUIPMENT	72,249		45	27,507	44,697		
3811 INSTR, TIME, PHOTO, OPT GOODS	109	104	5				
3911 MISC MANUFACTURED PRODUCTS	52,286	2,546	50	36,281	13,409		
4011 IRON AND STEEL SCRAP	36,440		19,208	4,886	12,346		
4012 NONFERROUS METAL SCRAP	7,408	4	7,404				
4022 TEXTILE WASTE, SCRAP, SWEEP	2		1	1			
4024 PAPER WASTE AND SCRAP	32,066		32,066				
4111 WATER	255				255		
4112 COMMODITIES, NEC	751,056	698	84	407,032	343,242		
4119 EMPTY CONTAINERS	8,698			2,618	6,080		
9999 DEPARTMENT OF DEFENSE AND SCI	32		32				

NAWILIWILI HARBOR, KAUAI, HAWAII

SECTION INCLUDED: PORT OF NAWILIWILI. CONTROLLING DEPTH: 38.4 FEET IN THE OUTER CHANNEL; 38.8 FEET IN THE INNER CHANNEL; 34.2 FEET IN THE HARBOR BASIN. PROJECT DEPTH: 40 FEET IN THE CHANNEL; 39 FEET IN THE HARBOR BASIN.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	460,259	1,683	1976	460,900	40,674
1972	582,887	658	1977	557,798	70,063
1973	495,448		1978	765,877	6,384
1974	380,495		1979	757,899	
1975	532,978	13,934	1980	785,212	

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
TOTAL	785,212	10,548	25,538	427,247	321,488	391
0105 RICE	1,395			1,395		
0131 FRESH FRUITS AND TREE NUTS	72			72		
0141 FRESH AND FROZEN VEGETABLES	2,968			2,968		
0151 LIVE ANIMALS	4,776			1,847	2,929	
0191 MISCELLANEOUS FARM PRODUCTS	45			45		
0861 FOREST PRODUCTS, NEC	56			56		
0911 FRESH FISH, EXCEPT SHELLFISH	391					391
0912 SHELLFISH, EXCEPT PREPARED	52			52		
1091 NONFERROUS ORES, CONCENT, NEC	41			41		
1494 GYPSUM, CRUDE AND PLASTERS	640			640		
1911 ORDNANCE AND ACCESSORIES	30			28	2	
2011 MEAT, FRESH, CHILLED, FROZEN	1,881			1,881		
2015 ANIMAL BY-PRODUCTS, NEC	63				63	
2021 DAIRY PRODUCTS, NEC	19			19		
2034 VEGETABLES AND PREP, NEC	5,304			3,219	2,085	
2039 PREP FRUIT AND VEG JUICE, NEC	378			162	166	
2041 WHEAT FLOUR AND SEMOLINA	7			7		
2042 PREPARED ANIMAL FEEDS	5,650			5,650		
2049 GRAIN MILL PRODUCTS, NEC	24			24		
2061 SUGAR	163,424			6	143,418	
2062 MOLASSES	55,248		29,937		29,751	
2081 ALCOHOLIC BEVERAGES	3,988			3,988		
2091 VEGETABLE OILS, MARG, SHORT	112			112		
2094 GROCERIES	2,879			2,849	30	
2099 MISCELLANEOUS FOOD PRODUCTS	10,332			10,003	299	
2211 BASIC TEXTILE PRODUCTS	313			313		
2413 FUEL WOOD, CHARCOAL, WASTES	215			108	107	
2414 TIMBER, POSTS, POLES, PILING	148			126	22	
2421 LUMBER	6,330			6,303	27	
2431 VENEER, PLYWOOD, WORKED WOOD	373			373		
2491 WOOD MANUFACTURES, NEC	7,215			3,225	3,990	
2511 FURNITURE AND FIXTURES	2,826			2,797	29	
2631 PAPER AND PAPERBOARD	696			696		
2691 PULP AND PAPER PRODUCTS, NEC	2,574			2,499	75	
2818 SULPHURIC ACID	138			131	7	
2819 BASIC CHEMICALS AND PROD, NEC	82			82		
2821 PLASTIC MATERIALS	975			975		
2841 SOAP	545			545		
2851 PAINTS	84			84		
2871 NITROGENOUS CHEM FERTILIZERS	9,318	5,018		4,310		
2876 INSECTICIDES, DISINFECTANTS	113			113		
2879 FERTILIZER AND MATERIALS, NEC	8,398			8,398		
2891 MISCELLANEOUS CHEMICAL PROD	357			357		
2911 GASOLINE	31,468			31,468		
2912 JET FUEL	1,724			1,724		
2914 DISTILLATE FUEL OIL	1,937			1,937		

PACIFIC OCEAN DIVISION

NAWILIWILI HARBOR, KAUAI, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1968--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTEARNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
2916 LUBRICATING OILS AND GREASES-----	21			21		
2918 ASPHALT, TAR, AND PITCHES-----	648			648		
2921 LIQUEFIED GASES-----	6,308	3,430		2,878		
2991 ASPHALT BUILDING MATERIALS-----	39			39		
2991 PETROLEUM AND COAL PROD, NEC-----	1,494			1,494		
3011 RUBBER AND MISC PLASTIC PROD-----	2,339			2,093	246	
3211 GLASS AND GLASS PRODUCTS-----	1,349			924	425	
3241 BUILDING CEMENT-----	24,221	2,100		22,121		
3291 STRUCTURAL CLAY PRODUCTS-----	183			183		
3281 CUT STONE AND STONE PRODUCTS-----	130			130		
3291 MISC NONMETALLIC MINERAL PROD-----	11,184			11,184		
3312 SLAG-----	42			42		
3314 IRON AND STEEL PRIMARY FORMS-----	430			430		
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,779			2,755	24	
3316 IRON AND STEEL PLATES, SHEETS-----	637			637		
3317 IRON AND STEEL PIPE AND TUBE-----	3,902			3,897	5	
3319 IRON AND STEEL PRODUCTS, NEC-----	21			21		
3411 FABRICATED METAL PRODUCTS-----	207,057			138,287	68,770	
3611 MACHINERY, EXCEPT ELECTRICAL-----	527			477	50	
3611 ELECTRICAL MACH AND EQUIP-----	1,417			1,090	327	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	80,725			51,770	28,955	
3721 AIRCRAFT AND PARTS-----	3			3		
3731 SHIPS AND BOATS-----	1,569			1,300	269	
3791 MISC TRANSPORTATION EQUIPMENT-----	22,452			13,742	8,710	
3911 MISC MANUFACTURED PRODUCTS-----	1,152			926	226	
4011 IRON AND STEEL SCRAP-----	1,475				1,475	
4112 COMMODITIES, NEC-----	77,425		1	68,539	8,885	
4119 EMPTY CONTAINERS-----	119			2	117	

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT				
HANA HARBOR, MAUI, HAWAII-----	0011 FRESH FISH, EXCEPT SHELLFISH-----	5		
KAILUA HARBOR, OAHU, HAWAII-----	0011 FRESH FISH, EXCEPT SHELLFISH-----	9		
KALAUPAPA HARBOR, MOLOKAI, HAWAII-----	2421 LUMBER-----	46		
	2491 WOOD MANUFACTURES, NEC-----	39		
	2511 FURNITURE AND FIXTURES-----	3		
	3011 RUBBER AND MISC PLASTIC PROD-----	1		
	3211 GLASS AND GLASS PRODUCTS-----	2		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	4		
	3411 FABRICATED METAL PRODUCTS-----	169		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	467		
	3731 SHIPS AND BOATS-----	8		
	4112 COMMODITIES, NEC-----	542		
	TOTAL-----	1,281		
KAUNAKAKAI HARBOR, MOLOKAI, HAWAII-----	0122 HAY AND FODDER-----	5,564		
	0129 FIELD CROPS, NEC-----	294		
	0131 FRESH FRUITS AND TREE NUTS-----	72,325		
	0151 LIVE ANIMALS-----	2,734		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	9		
	1911 ORDNANCE AND ACCESSORIES-----	5		
	2034 VEGETABLES AND PREP, NEC-----	739		
	2042 PREPARED ANIMAL FEEDS-----	650		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	2,913		
	2414 TIMBER, POSTS, POLES, PILING-----	52		
	2421 LUMBER-----	1,172		
	2491 WOOD MANUFACTURES, NEC-----	20,967		
	2511 FURNITURE AND FIXTURES-----	463		
	2691 PULP AND PAPER PRODUCTS, NEC-----	6		
	2871 NITROGENOUS CHEM FERTILIZERS-----	153		
	2879 FERTILIZER AND MATERIALS, NEC-----	399		
	2891 MISCELLANEOUS CHEMICAL PROD-----	24		
	2911 GASOLINE-----	1,155		
	2914 DISTILLATE FUEL OIL-----	187		
	2918 ASPHALT, TAR, AND BITUMENS-----	482		
	3011 RUBBER AND MISC PLASTIC PROD-----	378		
	3211 GLASS AND GLASS PRODUCTS-----	123		
	3241 BUILDING CEMENT-----	1,034		
	3291 MISC NONMETALLIC MINERAL PROD-----	160		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	181		
	3317 IRON AND STEEL PIPE AND TUBE-----	826		
	3411 FABRICATED METAL PRODUCTS-----	20,099		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	325		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	22,361		
	3731 SHIPS AND BOATS-----	715		
	3791 MISC TRANSPORTATION EQUIPMENT-----	4,863		
	4611 IRON AND STEEL SCRAP-----	75		
	4112 COMMODITIES, NEC-----	21,489		
	TOTAL-----	162,926		
PORT ALLEN HARBOR, KAUAI, HAWAII-----	0151 LIVE ANIMALS-----	93		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	38		
	0912 SHELLFISH, EXCEPT PREPARED-----	2		
	2034 VEGETABLES AND PREP, NEC-----	301		
	2042 PREPARED ANIMAL FEEDS-----	3,991		
	2062 MOLASSES-----	12,572		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	330		
	2414 TIMBER, POSTS, POLES, PILING-----	17		
	2421 LUMBER-----	1,971		
	2491 WOOD MANUFACTURES, NEC-----	516		
	2511 FURNITURE AND FIXTURES-----	27		
	2631 PAPER AND PAPERBOARD-----	15		
	2691 PULP AND PAPER PRODUCTS, NEC-----	128		
	2810 SODIUM HYDROXIDE-----	100		
	2819 BASIC CHEMICALS AND PROD, NEC-----	4,646		
	2871 NITROGENOUS CHEM FERTILIZERS-----	3,578		
	2873 PHOSPHATIC CHEM FERTILIZERS-----	946		
	2879 FERTILIZER AND MATERIALS, NEC-----	3,218		
	2891 MISCELLANEOUS CHEMICAL PROD-----	3		
	2911 GASOLINE-----	543		
	2914 DISTILLATE FUEL OIL-----	1,778		
	2918 ASPHALT, TAR, AND BITUMENS-----	4		
	3011 RUBBER AND MISC PLASTIC PROD-----	203		
	3211 GLASS AND GLASS PRODUCTS-----	14		
	3241 BUILDING CEMENT-----	525		
	3291 MISC NONMETALLIC MINERAL PROD-----	54		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	529		
	3317 IRON AND STEEL PIPE AND TUBE-----	1,813		
	3411 FABRICATED METAL PRODUCTS-----	7,892		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	2,854		
	3731 SHIPS AND BOATS-----	77		
	3791 MISC TRANSPORTATION EQUIPMENT-----	460		
	4112 COMMODITIES, NEC-----	9,599		
	TOTAL-----	58,437		
WAKE ISLAND HARBOR, WAKE ISLAND-----	NO COMMERCE REPORTED			
WELLS HARBOR, MIDWAY ISLAND-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	2,820		
	2011 MEAT, FRESH, CHILLED, FROZEN-----	1,016		
	2341 WHEAT FLOUR AND SEMOLINA-----	2,250		
	2421 LUMBER-----	2,666		
	2491 WOOD MANUFACTURES, NEC-----	2,467		
	3241 BUILDING CEMENT-----	3,266		
	3291 MISC NONMETALLIC MINERAL PROD-----	2,447		

PACIFIC OCEAN DIVISION

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON- MILES	PASSENGERS
PROJECT--CONTINUED				
WELLS HARBOR, MIDWAY ISLAND (CONTINUED)-----	3911 MACHINERY, EXCEPT ELECTRICAL-----	80		
	4112 COMMODITIES, NEC-----	1,237		
	TOTAL-----	1,317		

WALLA WALLA, WASH., 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: 24 TO 92 FEET. PROJECT DEPTH: 14 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	1,893,973	1976	4,807,770
1972	2,871,222	1977	4,906,615
1973	2,747,359	1978	5,696,445
1974	2,715,718	1979	6,075,369
1975	3,143,535	1980	7,238,066

• PASSENGERS--168.

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL			
		SHIPMENTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH UPBOUND DOWNBOUND
TOTAL	7,238,066	5,436	1,099,254	1,157,617	2,890	8,628	651,944 4,312,897
0102 BARLEY AND RYE	90,588			4,862			85,726
0107 WHEAT	4,546,539		15,891	1,033,403			4,231 3,493,014
0111 SOYBEANS	344			344			
0122 HAY AND FODDER	16,058		694	15,364			
0129 FIELD CROPS, NEC	978			978			
0141 FRESH AND FROZEN VEGETABLES	4,786		393	4,182			211
0161 ANIMALS AND PRODUCTS, NEC	1,213			1,213			
1442 SAND, GRAVEL, CRUSHED ROCK	112			112			
2015 A. INAL BY-PRODUCTS, NEC	8,522			8,522			
2034 VEGETABLES AND PREP, NEC	7,551		505	6,926			118
2039 PREP FRUIT AND VEG JUICE, NEC	307			307			
2042 PREPARED ANIMAL FEEDS	1,548			1,248			300
2049 GRAIN MILL PRODUCTS, NEC	133			133			
2062 MOLASSES	3,729		3,729				
2081 ALCOHOLIC BEVERAGES	14		14				
2099 MISCELLANEOUS FOOD PRODUCTS	40			40			
2411 LOGS	72,011			8			72,003
2412 RAFTED LOGS	14,302			6,995			228 7,079
2413 FUEL WOOD, CHARCOAL, WASTES	623						623
2415 PULPHOOD, LOG	1,119						1,119
2621 STANDARD NEWSPRINT PAPER	8,072						8,072
2631 PAPER AND PAPERBOARD	28,804		4	678			309 27,613
2691 PULP AND PAPER PRODUCTS, NEC	1,153						1,153
2819 BASIC CHEMICALS AND PROD, NEC	332,893		297,912	34,981			
2871 NITROGENOUS CHEM FERTILIZERS	93,976		3,536	36,517			
2911 GASOLINE	691,677		266,399		2,890	8,628	2,405 381,708 3,660
2912 JET FUEL	30,692						30,692
2914 DISTILLATE FUEL OIL	816,756		419,128				197,628 3,660
2915 RESIDUAL FUEL OIL	111,342	5,436	94,213				20,843 850
2918 ASPHALT, TAR, AND BITUMENS	8,151		472				7,679
3011 RUBBER AND MISC PLASTIC PROD	22		11				11
3211 GLASS AND GLASS PRODUCTS	18		18				
3281 CUT STONE AND STONE PRODUCTS	19			19			
3411 FABRICATED METAL PRODUCTS	383						383
3511 MACHINERY, EXCEPT ELECTRICAL	14		14				
3611 ELECTRICAL MACH AND EQUIP	7						7
3911 MISC MANUFACTURED PRODUCTS	5						5
4012 NONFERREROUS METAL SCRAP	22						22
4024 PAPER WASTE AND SCRAP	65						65
4029 WASTE AND SCRAP, NEC	611,391						41 611,350
4119 EMPTY CONTAINERS	12,287		6,411	43			5,827 6
TOTAL TON-MILES	292,954,696						

SNAKE RIVER, OREG., WASH., AND IDAHO

SECTION INCLUDED: MOUTH OF SNAKE RIVER TO JOHNSON BAR LANDING. CONTROLLING DEPTH: 14 FEET FROM MOUTH TO ICE HARBOR LOCK APPROACH CHANNEL; 14 FEET IN ICE HARBOR APPROACH CHANNEL; 14 FEET WITHIN ICE HARBOR POOL; 14 FEET IN LOWER MONUMENTAL APPROACH CHANNEL; 14 FEET WITHIN LOWER MONUMENTAL POOL; 14 FEET IN LITTLE GOOSE APPROACH CHANNEL; 14 FEET WITHIN LITTLE GOOSE POOL; 14 FEET IN LOWER GRANITE APPROACH CHANNEL; 14 FEET WITHIN LOWER GRANITE POOL; ABOUT 3.0 FEET FROM HEAD OF LOWER GRANITE POOL TO JOHNSON BAR LANDING. PROJECT DEPTH: 14 FEET FROM MOUTH TO THE ICE HARBOR APPROACH CHANNEL; 14 FEET IN ICE HARBOR CHANNEL; 14 FEET WITHIN ICE HARBOR POOL; 14 FEET IN LOWER MONUMENTAL APPROACH CHANNEL; 14 FEET WITHIN LOWER MONUMENTAL POOL; 14 FEET IN LITTLE GOOSE APPROACH CHANNEL; 14 FEET IN LITTLE GOOSE CHANNEL; 14 FEET WITHIN LITTLE GOOSE POOL; 14 FEET IN LOWER GRANITE APPROACH CHANNEL; 14 FEET IN LOWER GRANITE CHANNEL; 14 FEET WITHIN LOWER GRANITE POOL; 2 FEET TO JOHNSON BAR LANDING.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	975,489	3,720	1976	2,894,606	400
1972	1,735,391	3,986	1977	2,911,249	
1973	1,740,946	4,434	1978	3,852,332	
1974	1,729,725	3,828	1979	4,356,735	
1975	2,010,721	2,904	1980	5,063,613	865

WALLA WALLA, WASH., DISTRICT

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

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL			
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	9,063,613	790,488	3,160,829	228	1,152,060
0102 BARLEY AND RYE-----	85,726		70,697		15,029
0107 WHEAT-----	3,497,245	4,232	2,373,117		1,119,897
0141 FRESH AND FROZEN VEGETABLES-----	211		211		
2034 VEGETABLES AND PREP, NEC-----	118		118		
2042 PREPARED ANIMAL FEEDS-----	300		300		
2411 LOGS-----	72,003		61,940		10,063
2412 RAFTED LOGS-----	7,307			228	7,079
2413 FUEL WOOD, CHARCOAL, WASTES-----	623		623		
2415 PULPWOOD, LOG-----	1,119		1,119		
2621 STANDARD NEWSPRINT PAPER-----	8,072		8,072		
2631 PAPER AND PAPERBOARD-----	27,922	309	27,613		
2691 PULP AND PAPER PRODUCTS, NEC-----	1,153		1,153		
2819 BASIC CHEMICALS AND PROD, NEC-----	30,547	30,947			
2871 NITROGENOUS CHEM FERTILIZERS-----	26,297	26,297			
2911 GASOLINE-----	397,871	394,211	3,660		
2912 JET FUEL-----	30,692	30,692			
2914 DISTILLATE FUEL OIL-----	229,281	229,281			
2915 RESIDUAL FUEL OIL-----	21,693	20,843	850		
2918 ASPHALT, TAR, AND PITCHES-----	7,679	7,679			
3011 RUBBER AND MISC PLASTIC PROD-----	11	11			
3411 FABRICATED METAL PRODUCTS-----	560	560			
4029 WASTE AND SCRAP, NEC-----	611,350		611,350		
4119 EMPTY CONTAINERS-----	5,833	5,827	6		
TOTAL TON-MILES. 375,625,088.					

PORTLAND, OREG., DISTRICT

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

CALENDAR YEAR 1980

(SHORT TONS)

LOCALITY	FOREIGN		DOMESTIC				TOTAL	PERCENT	THROUGH TRAFFIC
	IMPORTS	EXPORTS	COASTWISE		INTERNAL RECEIPTS AND SHIPMENTS	LOCAL			
			RECEIPTS	SHIPMENTS					
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
SNAKE RIVER, OREG., WASH., AND IDAHO	-----	-----	-----	-----	3,911,317	-----	3,911,317	5.84	1,152,296
COLUMBIA RIVER, WENATCHEE TO KETTLE FALLS, WASH.	-----	-----	-----	-----	243	25,990	26,233	.04	-----
COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNEWICK, WASH.	-----	-----	-----	5,436	2,256,271	31,518	2,273,229	3.39	4,964,841
COLUMBIA RIVER AND TRIBUTARIES ABOVE THE DALLES DAM, WASH., AND OREG., TO McNARY LOCK AND DAM, OREG., AND WASH.	-----	-----	-----	-----	1,062,274	-----	1,062,274	1.59	6,662,932
COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG.	-----	-----	-----	340,118	2,033,747	1,221,486	3,555,291	5.37	7,148,798
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.	583,462	-----	-----	-----	2,862,653	2,090,727	5,486,842	8.19	-----
OREGON SLOUGH (NORTH PORTLAND HARBOR), OREG.	-----	-----	-----	14,202	313,268	-----	327,470	.49	-----
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.	3,918,764	19,667,507	5,208,524	430,142	12,355,666	5,092,086	46,672,109	69.66	2,274,406
MULTNOMAH CHANNEL, OREG.	-----	-----	-----	-----	1,731,929	158,347	1,890,276	2.82	-----
LAKE RIVER, WASH.	-----	-----	-----	-----	1,601	9,490	11,091	.02	-----
LEWIS RIVER, WASH.	-----	-----	-----	-----	79,840	-----	79,840	.12	-----
COULITZ RIVER, WASH.	-----	-----	500	-----	89,439	-----	89,932	.13	-----
CLATSkanie RIVER, OREG.	-----	-----	-----	-----	12,683	-----	12,683	.02	-----
WESTPORT SLOUGH, OREG.	-----	-----	-----	-----	7,432	-----	7,432	.01	-----
ELOKOMIN SLOUGH, WASH.	-----	-----	-----	-----	44,076	-----	44,076	.07	-----
SKANOKAWA (STEAMBOAT) SLOUGH, WASH.	-----	-----	-----	-----	12,156	-----	12,156	.02	-----
SKANOKAWA CREEK, WASH.	-----	-----	-----	-----	-----	-----	-----	-----	-----
GRAYS RIVER, WASH.	-----	-----	-----	-----	-----	-----	-----	-----	-----
DEEP RIVER, WASH.	-----	-----	-----	-----	491,670	-----	491,670	.73	-----
YOUNGS BAY AND YOUNGS RIVER, OREG.	-----	-----	-----	-----	533,824	192,270	725,294	1.08	-----
SKIPANON CHANNEL, OREG.	-----	-----	-----	-----	263,358	-----	263,358	.39	-----
CHINOOK CHANNEL, WASH.	-----	-----	-----	-----	898	-----	898	.01	-----
COLUMBIA RIVER AT BAKERS BAY, WASH.	-----	-----	-----	-----	3,192	-----	3,192	.01	-----
TOTAL (UNADJUSTED)	4,452,226	19,667,507	5,208,524	789,899	28,066,730	8,801,734	66,986,619	-----	22,203,273
PERCENT (UNADJUSTED)	6.85	29.36	7.78	1.18	41.89	13.14	-----	100.00	-----
NET VOLUME OF TONNAGE FOR THE BASIN**	4,452,226	19,667,507	5,208,524	789,899	14,044,463	8,801,734	52,944,352	-----	-----
PERCENT (ADJUSTED)	8.41	37.13	9.83	1.49	26.52	16.62	-----	100.00	-----

* THROUGH TRAFFIC NOT CREDITED AS SUCH TO TOTAL TONNAGE FOR BASIN, BUT CREDITED TO PROJECTS OR RIVERS WHERE SHIPPED OR RECEIVED.
 ** ADJUSTED TO NET VOLUME BY EXCLUDING ONE-HALF OF INTERNAL TRAFFIC MOVED BETWEEN THE SEPARATE WATERWAYS OF THE BASIN.

COLUMBIA RIVER ENTRANCE, OREG. AND WASH.

SECTION INCLUDED: COLUMBIA RIVER AT MOUTH, OREG. AND WASH.; CONTROLLING DEPTH: 47 FEET LEFT OUTSIDE, 45 FEET LEFT INSIDE, 43 FEET RIGHT INSIDE, AND 40 FEET RIGHT OUTSIDE, AT NEAR LOW WATER; AT CLAYSON 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	
1971	2,601,502	7,849,220	5,023,568	1,276,425	16,750,718	1976	3,768,565	14,806,097	3,978,882	1,772,094	24,126,038
1972	3,239,109	10,729,539	5,351,313	962,902	20,282,863	1977	4,045,319	12,821,383	4,213,078	813,554	21,893,330
1973	3,241,298	14,078,204	5,168,877	1,078,418	23,566,797	1978	4,321,694	16,510,367	5,122,788	909,658	26,866,509
1974	4,244,770	13,611,300	3,823,390	841,493	22,620,953	1979	4,755,280	17,893,649	6,000,252	1,019,041	29,676,213
1975	3,691,610	13,066,299	3,773,085	844,565	21,587,759	1980	4,452,226	19,667,507	5,224,056	862,464	30,206,253

COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY (CONSOLIDATED REPORT)

SECTION INCLUDED: MOUTH TO INTERNATIONAL BOUNDARY, A DISTANCE OF 745 MILES. CONTROLLING DEPTH: 38 FEET OR BETTER BETWEEN MOUTH OF COLUMBIA RIVER AND MOUTH OF WILLAMETTE RIVER; 38 FEET TO LOWER TURNING BASIN, VANCOUVER, WASH.; OTHER CHANNEL DEPTHS RANGE FROM 15 TO 4 FEET. PROJECT DEPTH: 48 FEET ACROSS ENTRANCE BAR 40 FEET FROM MOUTH OF COLUMBIA RIVER TO MOUTH OF WILLAMETTE RIVER; 40 FEET FROM MOUTH OF WILLAMETTE RIVER TO VANCOUVER; OTHER PROJECT DEPTHS RANGE FROM 27 TO 7 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1971	22,926,425	2,983,047	25,829,472	466	1976	33,864,924	8,096,057	41,960,981	42,262
1972	28,487,288	2,853,982	31,341,190	518	1977	31,627,507	6,914,260	38,541,767	62,606
1973	31,539,307	2,874,280	34,413,587	278	1978	37,079,172	5,832,629	43,724,801	91,801
1974	31,893,812	8,055,230	39,149,042	630	1979	41,189,227	5,869,843	47,059,070	117,301
1975	36,315,389	7,806,160	44,121,549	10,416	1980	42,924,434	6,254,550	49,178,984	81,383

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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

FREIGHT TRAFFIC, 1980--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
2951 ASPHALT BUILDING MATERIALS	85		11						35
2991 PETROLEUM AND COAL PROD, NEC	80				61				19
3011 RUBBER AND MISC PLASTIC PROD	15,375	1,066	38		12,432				1,746
3111 LEATHER AND LEATHER PRODUCTS	9,113	99	169		4,175				43
3211 GLASS AND GLASS PRODUCTS	1,938	111			1,355				138
3241 BUILDING CEMENT	48,483				38,077			12,197	32
3251 STRUCTURAL CLAY PRODUCTS	1,232	1			1,193				74
3281 CUT STONE AND STONE PRODUCTS	74				74				20
3291 MISC NONMETALLIC MINERAL PROD	4,245	300	20		1,661				1,866
3312 SLAG	1,886								992
3314 IRON AND STEEL PRIMARY FORMS	1,238				198				210
3315 IRON, STEEL SHAPES, EXC SHEET	351,244	99,933	15		291,472				1,983
3316 IRON AND STEEL PLATES, SHEETS	12,073	659	49		9,175				263
3317 IRON AND STEEL PIPE AND TUBE	86,763	36,992	137		49,675				708
3318 FERROALLOYS	7,881	6,394	2		233				21
3319 IRON AND STEEL PRODUCTS, NEC	3,653	63	1		2,967				142
3321 NONFERROUS METALS, NEC	1,884	96			778				302
3322 COPPER ALLOYS, UNWORKED	770	5			744				991
3323 LEAD AND ZINC, UNWORKED	991				123				50,291
3324 ALUMINUM AND ALLOYS, UNWORKED	42,850		12,438		133				1,928
3411 FABRICATED METAL PRODUCTS	52,400	2,903	1,386		39,998				9,192
3511 MACHINERY, EXCEPT ELECTRICAL	39,852	1,008	5,266		22,083				900
3611 ELECTRICAL MACH AND EQUIP	9,161	912	466		5,460				500
3711 MOTOR VEHICLES, PARTS, EQUIP	364,495	45,076	203		314,716				65
3721 AIRCRAFT AND PARTS	42		3		9				29
3731 SHIPS AND BOATS	399	43			119				110
3791 MISC TRANSPORTATION EQUIPMENT	6,223	2,170	96		3,797				240
3811 INSTR, TIME, PHOTO, OPT GOODS	1,547	66	51		1,251				179
3911 MISC MANUFACTURED PRODUCTS	3,938	600	37		2,280				401
4011 IRON AND STEEL SCRAP	309,412		19,573						289,820
4012 NONFERROUS METAL SCRAP	20,368		298						20,110
4022 TEXTILE WASTE, SCRAP, SWEEP	42				42				19
4024 PAPER WASTE AND SCRAP	1,028		1,028						6
4112 COMMODITIES, NEC	15,512	1,322	42		1,278				394
4119 EMPTY CONTAINERS	36								76
9999 DEPARTMENT OF DEFENSE AND SCI	491		19						36
TON-MILES, OCEANGOING, 2,882,382,863.									

INTERNAL
(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	DOWNBOUND
TOTAL	19,060,829	9,440,117	2,821,382	2,623,895	3,870,490	1,669,536	2,635,409
0102 BARLEY AND RYE	94,521	15,407		8,795			70,319
0107 WHEAT	5,168,340	1,312,417		715,292		913,288	2,206,545
0111 SOYBEANS	344			344			
0122 HAY AND FODDER	16,058	694		15,364			
0129 FIELD CROPS, NEC	978			978			
0141 FRESH AND FROZEN VEGETABLES	4,786	393		4,182			211
0151 LIVE ANIMALS	40				40		
0161 ANIMALS AND PRODUCTS, NEC	1,213			1,213			
0911 FRESH FISH, EXCEPT SHELLFISH	23,864	18,203		390	1,426		3,885
0912 SHELLFISH, EXCEPT PREPARED	2,446	1,694			40		712
1442 SAND, GRAVEL, CRUSHED ROCK	1,692,254	81,382		461,830	292,812	39,366	691,810
1451 CLAY	11,793	9,658		2,095			125,054
1471 PHOSPHATE ROCK	660	660					
2015 ANIMAL BY-PRODUCTS, NEC	8,522			8,522			
2031 FISH AND SHELLFISH, PREPARED	165			165			
2034 VEGETABLES AND PREP, NEC	7,708	505		6,928			275
2039 PREP FRUIT AND VEG JUICE, NEC	307			307			
2042 PREPARED ANIMAL FEEDS	1,548			1,113	135		300
2049 GRAIN MILL PRODUCTS, NEC	4,077	4,928		1,157			
2062 MOLASSES	3,729	3,729					
2091 ALCOHOLIC BEVERAGES	14				14		
2099 MISCELLANEOUS FOOD PRODUCTS	40			40			
2411 LOGS	89,840	60,870		244	9,707	6,984	12,035
2412 RAFTED LOGS	6,294,550	932,828		806,925	2,271,558	1,969,897	76,857
2413 FUEL WOOD, CHARCOAL, WASTES	129,401	8,861				120,540	
2414 TIMBER, POSTS, POLES, PILING	2,035			293			1,782
2415 PULPWOOD, LOG	1,119	1,119					
2416 WOOD CHIPS, STAVES, HOLDINGS	463,241	338,874				524,367	
2421 LUMBER	14			14			
2431 VENEER, PLYWOOD, WORKED WOOD	6,365			4,171	2,194		
2611 PULP	294,442	90,750				203,692	
2621 STANDARD NEWSPRINT PAPER	8,072						8,072
2631 PAPER AND PAPERBOARD	29,288	7		1,393	4		27,613
2691 PULP AND PAPER PRODUCTS, NEC	774,678	41,117		644,217	11,775	4,769	71,647
2819 BASIC CHEMICALS AND PROD, NEC	334,999	295,013		30,632	4,928	4,434	
2871 NITROGENOUS CHEM FERTILIZERS	98,925	3,536		31,775	7,839	13,370	
2911 GASOLINE	727,500	320,411		12,503		11,228	381,708
2912 JET FUEL	30,692						30,692
2914 DISTILLATE FUEL OIL	778,737	475,703		36,888	10,919	56,545	199,194
2915 RESIDUAL FUEL OIL	996,218	801,712		22,699	10,102		54,499
2918 ASPHALT, TAR, AND BITUMENS	8,151	472				2,004	105,211

PORTLAND, OREG., DISTRICT

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

FREIGHT TRAFFIC, 1980--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	CUTOBOUND	UPBOUND	DOWNBOUND	THROUGH			
						UPBOUND	DOWNBOUND		
3011 RUBBER AND MISC PLASTIC PROD-----	22			11		11			
3211 GLASS AND GLASS PRODUCTS-----	18	18							
3271 LIME-----	93	93							
3281 CUT STONE AND STONE PRODUCTS-----	19		19						
3291 MISC NONMETALLIC MINERAL PROD-----	2,133	1,989				134			
3319 IRON AND STEEL PRODUCTS, NEC-----	150		150						
3411 FABRICATED METAL PRODUCTS-----	883		420	243		140			
3511 MACHINERY, EXCEPT ELECTRICAL-----	189	44	40	65		40			
3611 ELECTRICAL MACH AND EQUIP-----	7		7						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	20						20		
3911 MISC MANUFACTURED PRODUCTS-----	5								
4012 NONFERROUS METAL SCRAP-----	22		22						
4024 PAPER WASTE AND SCRAP-----	65		65						
4029 WASTE AND SCRAP, NEC-----	611,391	611,398	41						
4119 EMPTY CONTAINERS-----	12,300	9,718	264	626	71	9,615	6		
TON-MILES, INTERNAL, 2,002,995,117.									
TONS, ALL TRAFFIC, 49,178,984.									
TON-MILES, ALL TRAFFIC, 4,685,377,980.									

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 9 MILES. CONTROLLING DEPTH: MOUTH OF COLUMBIA RIVER TO MOUTH OF WILLAMETTE AND UP THE WILLAMETTE TO BROADWAY BRIDGE IN PORTLAND, 38 FEET; IN THE REACH OF COLUMBIA RIVER FROM THE MOUTH OF WILLAMETTE RIVER TO THE LOWER TURNING BASIN AT VANCOUVER, WASH., 38 FEET. PROJECT DEPTH: 40 FEET IN MAIN CHANNEL FROM MOUTH OF COLUMBIA RIVER TO BROADWAY BRIDGE AT PORTLAND, OREG.; 40 FEET IN COLUMBIA RIVER FROM MOUTH OF WILLAMETTE RIVER TO RAILROAD BRIDGE, VANCOUVER, WASH.; 35 FEET FROM RAILROAD BRIDGE TO INTERSTATE BRIDGE, VANCOUVER, WASH.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1971-----	24,716,691	2,521,729	27,238,420	466	1976-----	35,043,139	7,351,983	42,395,122	24,648
1972-----	29,419,524	2,158,588	31,578,112	518	1977-----	33,426,381	6,063,007	39,489,388	36,810
1973-----	32,650,937	1,676,984	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	830	1979-----	42,124,171	5,264,395	47,388,566	89,075
1975-----	31,680,526	6,928,414	38,608,940	11,159	1980-----	43,251,649	5,694,666	48,946,315	49,531

FREIGHT TRAFFIC, 1980

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN			DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH UPBOUND	RECEIPTS	SHIPMENTS	THROUGH	
							UPBOUND	DOWNBOUND
TOTAL-----	30,118,159	3,918,784	19,667,507	933,462	9,228,824	430,142	900	359,756
0101 COTTON, RAW-----	130		130					
0102 BARLEY AND RYE-----	474,894		472,831			2,263		
0103 CORN-----	6,466		1,241			5,225		
0104 OATS-----	253,340		253,340					
0107 WHEAT-----	11,789,096		11,786,726			2,370		
0111 SOYBEANS-----	177		177					
0119 OILSEEDS, NEC-----	82	40	42					
0121 TOBACCO, LEAF-----	1,679	1,679						
0129 FIELD CROPS, NEC-----	17,923	74	17,849					
0131 FRESH FRUITS AND TREE NUTS-----	8,352		6,445		716	1,191		
0133 COFFEE-----	488	488						
0141 FRESH AND FROZEN VEGETABLES-----	89,052	84	81,146			7,822		
0151 LIVE ANIMALS-----	716		716					
0161 ANIMALS AND PRODUCTS, NEC-----	3,512	804	2,708					
0191 MISCELLANEOUS FARM PRODUCTS-----	716	347	243		7	119		
0841 CRUDF RUBBER AND ALLIED GUMS-----	1,454	1,454						
0861 FOREST PRODUCTS, NEC-----	288	209	14			65		
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,618	2	1,616					
0912 SHELLFISH, EXCEPT PREPARED-----	253	18	94			141		
1021 COPPER ORE AND CONCENTRATES-----	7,536		7,536					
1051 ALUMINUM ORES, CONCENTRATES-----	1,434,161	1,434,161						
1061 MANGANESE ORES, CONCENTRATES-----	40,144	39,875	269					
1091 NONFERROUS ORES, CONCENT, NEC-----	18,205	18,101	174					
1311 CRUDF PETROLEUM-----	478,116	445,944			32,172			
1411 LIMESTONE-----	104,371	12,152		92,219				
1442 SAND, GRAVEL, CRUSHED ROCK-----	952,579	176,581	354	439,526				348,118
1451 CLAY-----	165,841	265	165,576					
1491 SALT-----	517,395	517,395						
1499 NONMETALLIC MINERALS, NEC-----	49,661		42,400			6,484		777
1911 ORDNANCE AND ACCESSORIES-----	117	30	87					
2011 MEAT, FRESH, CHILLED, FROZEN-----	4,537	171	4,325		1	40		

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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

FREIGHT TRAFFIC, 1980--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN			DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH UPBOUND	RECEIPTS	SHIPMENTS	THROUGH	
							UPBOUND	DOWNBOUND
2012 MEAT AND PRODUCTS, NEC	70	39	11					
2014 TALLOW, ANIMAL FATS AND OILS	7,744		7,744					
2015 ANIMAL BY-PRODUCTS, NEC	21,884	43	21,841					
2021 DAIRY PRODUCTS, NEC	343	284	36			43		
2022 DRIED MILK AND CREAM	3,663		3,663					
2031 FISH AND SHELLFISH, PREPARED	4,962	2,205	1,457		1,300			
2034 VEGETABLES AND PREP, NEC	56,537	6,063	48,814			1,543		
2039 PREP FRUIT AND VEG JUICE, NEC	27,338	19,969	5,879		1,269	221		
2042 WHEAT FLOUR AND SEMOLINA	16,583		16,583					
2042 PREPARED ANIMAL FEEDS	45,314	1	33,395			11,532		386
2049 GRAIN MILL PRODUCTS, NEC	13,544	173	11,734			1,637		
2061 SUGAR	446				446			
2062 MOLASSES	15,256		2,373		12,683			
2081 ALCOHOLIC BEVERAGES	12,354	5,446	6,130		1	567		210
2091 VEGETABLE OILS, MARG, SHORT	61,344	61,033	101			210		
2094 GROCERIES	595				1	594		
2099 MISCELLANEOUS FOOD PRODUCTS	30,251	3,625	25,045			1,431		150
2111 TOBACCO MANUFACTURES	1	1						
2211 BASIC TEXTILE PRODUCTS	7,320	7,081	186			53		
2311 APPAREL	2,662	2,605	77					
2411 LOGS	3,625,792		3,625,367			425		
2413 FUEL WOOD, CHARCOAL, WASTES	11,735		10,419			1,316		
2414 TIMBER, POSTS, POLES, PILING	10,882	6	10,876					
2416 WOOD CHIPS, STAVES, MOLDINGS	1,536,729		1,536,729					
2421 LUMBER	493,470	11,361	358,444		19	121,057		2,589
2431 VENEER, PLYWOOD, WORKED WOOD	148,548	58,329	74,752			14,735		1,032
2491 WOOD MANUFACTURES, NEC	35,781	4,613	29,924			5,588		56
2511 FURNITURE AND FIXTURES	2,441	1,818	174			374		75
2611 PULP	74,605	36	74,949					
2621 STANDARD NEWSPRINT PAPER	3,844					2,779		1,065
2631 PAPER AND PAPERBOARD	375,655	419	351,975			21,310		1,951
2691 PULP AND PAPER PRODUCTS, NEC	19,666	127	1,131			17,169		1,239
2711 PRINTED MATTER	125	65	60					
2810 SODIUM HYDROXIDE	11,082					11,082		
2811 CRUDE TAR, OIL, GAS PRODUCTS	8,992				8,992			
2813 ALCOHOLS	37,708				37,708			
2817 BENZENE AND TOLUENE	6,228				6,228			
2819 BASIC CHEMICALS AND PROD, NEC	972,332	93,207	52,018		824,127	2,980		
2821 PLASTIC MATERIALS	7,569	1,091	5,864			814		
2822 SYNTHETIC RUBBER	3		3					
2823 SYNTHETIC (MAN-MADE) FIBERS	62	62						
2831 DRUGS	248	193	95					
2841 SOAP	1,004	518	400			67		21
2851 PAINTS	9,550	8,649	901					
2861 GUM AND WOOD CHEMICALS	11		11					
2871 NITROGENOUS CHEM FERTILIZERS	310,047	14,336	45,138		189,961	58,688		1,924
2873 PHOSPHATIC CHEM FERTILIZERS	38,799		38,799					
2876 INSECTICIDES, DISINFECTANTS	171	76	51			44		
2879 FERTILIZER AND MATERIALS, NEC	16,142	1,500	79		14,563			
2891 MISCELLANEOUS CHEMICAL PROD	2,963	617	313			2,133		
2911 GASOLINE	898,825		13		859,484	39,328		
2913 KEROSENE	50,809				50,809			
2914 DISTILLATE FUEL OIL	990,034				941,157	48,777		
2919 RESIDUAL FUEL OIL	1,930,954				1,925,518			5,436
2916 LUBRICATING OILS AND GREASES	77,520	90	1,264		76,226			
2917 NAPHTHA, PETROLEUM SOLVENTS	14,821				14,821			
2918 ASPHALT, TAR, AND BITUMENS	200,910		1		194,940	4,462		1,907
2920 COKE, PETROLEUM COKE	6,869	6,869						
2991 ASPHALT BUILDING MATERIALS	65		30			35		
2991 PETROLEUM AND COAL PROD, NEC	80	81				19		
3011 RUBBER AND MISC PLASTIC PROD	15,375	13,498	131			1,726		20
3111 LEATHER AND LEATHER PRODUCTS	5,113	4,230	883					
3211 GLASS AND GLASS PRODUCTS	1,538	1,466	29			43		
3241 BUILDING CEMENT	48,483	30,360	71	5,717	12,197	138		
3291 STRUCTURAL CLAY PRODUCTS	1,232	1,194	6			32		
3281 CUT STONE AND STONE PRODUCTS	74	74						
3291 MISC NONMETALLIC MINERAL PROD	4,245	1,961	117			2,003		164
3312 SLAG	1,866					1,866		
3314 IRON AND STEEL PRIMARY FORMS	1,238	198	48			992		
3315 IRON, STEEL SHAPES, EXC SHEET	251,244	151,005	29			210		
3316 IRON AND STEEL PLATES, SHEETS	12,023	9,634	276			1,993		
3317 IRON AND STEEL PIPE AND TUBE	86,763	86,267	233			263		
3318 FERROALLOYS	7,681	6,627	1,054					
3319 IRON AND STEEL PRODUCTS, NEC	3,693	3,730	143			490		
3321 NONFERROUS METALS, NEC	1,884	74	32			690		18
3322 COPPER ALLOYS, UNWORKED	770	749	21					
3323 LEAD AND ZINC, UNWORKED	901		901					
3324 ALUMINUM AND ALLOYS, UNWORKED	62,850	123	62,727					
3411 FABRICATED METAL PRODUCTS	52,400	42,901	3,314		7	6,177		1
3511 MACHINERY, EXCEPT ELECTRICAL	39,852	23,391	14,418		500	1,310	500	33
3611 ELECTRICAL MACH AND EQUIP	9,141	6,372	1,586		42	1,141		20
3711 MOTOR VEHICLES, PARTS, EQUIP	364,498	159,792	2,677		65	1,964		
3721 AIRCRAFT AND PARTS	42	9	32			1		
3731 SHIPS AND BOATS	399	198	131		110			
3791 MISC TRANSPORTATION EQUIPMENT	6,223	5,927	296					
3811 INSTR, TIME, PHOTO, OPT GOODS	1,547	1,317						
3911 MISC MANUFACTURED PRODUCTS	3,938	2,880	438		6	614		
4011 IRON AND STEEL SCRAP	309,412		309,393		9			
4012 NONFERROUS METAL SCRAP	20,368		20,368					
4022 TEXTILE WASTE, SCRAP, SWEEP	42	42						
4024 PAPER WASTE AND SCRAP	1,028		1,028					

PORTLAND, OREG., DISTRICT

45

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

FREIGHT TRAFFIC, 1988--CONTINUED

OCEANGOING--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN			DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH UPGROUND	RECEIPTS	SHIPMENTS	THROUGH	
							UPGROUND	DOWNBOUND
4112 COMMODITIES, NEC-----	19,912	2,600	396		76	11,076		964
4119 EMPTY CONTAINERS-----	36				38			
9999 DEPARTMENT OF DEFENSE AND SCI-----	491		491					
TON-MILES, OCEANGOING, 2,876,231,067.								

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPGROUND	DOWNBOUND	THROUGH	
						UPGROUND	DOWNBOUND
TOTAL-----	18,828,360	8,709,143	3,650,923	2,799,746	2,296,268	988,437	392,291
0102 BARLEY AND RYE-----	94,921	94,921					
0107 WHEAT-----	9,169,937	9,130,198	29,249	3,203	10,927		
0111 SOYBEANS-----	344						344
0122 HAY AND FODDER-----	16,058					694	15,364
0129 FIELD CROPS, NEC-----	978	168					790
0141 FRESH AND FROZEN VEGETABLES-----	4,786					393	4,393
0161 ANIMALS AND PRODUCTS, NEC-----	1,213						1,213
0911 FRESH FISH, EXCEPT SHELLFISH-----	22,438	17,519	202	148	663	3,986	
0912 SHELLFISH, EXCEPT PREPARED-----	2,406	1,694				712	
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,173,840	827,800	378,629	76,227	10,810	692,641	187,733
1451 CLAY-----	44,144		43,175		969		
1471 PHOSPHATE ROCK-----	660	660					
2015 ANIMAL BY-PRODUCTS, NEC-----	8,922	603					7,919
2031 FISH AND SHELLFISH, PREPARED-----	165			165			
2034 VEGETABLES AND PREP, NEC-----	7,708	312				595	6,891
2039 PREP FRUIT AND VEG JUICE, NEC-----	307	39					268
2042 PREPARED ANIMAL FEEDS-----	1,548	419					1,129
2049 GRAIN MILL PRODUCTS, NEC-----	11,013	133	10,880				
2062 MOLASSES-----	3,729		3,729				
2081 ALCOHOLIC BEVERAGES-----	14		14				
2099 MISCELLANEOUS FOOD PRODUCTS-----	40						40
2411 LOGS-----	81,198	56,300	3,006	6,945	3,512		12,035
2412 RAFTED LOGS-----	9,694,866	1,498,140	784,012	1,779,109	1,366,375	151,993	114,777
2413 FUEL WOOD, CHARCOAL, WASTES-----	118,045	62,553		20	55,472		
2414 TIMBER, POSTS, POLES, PILING-----	2,938	282	400	756		1,500	
2415 PULPWOOD, LOG-----	1,119	1,119					
2416 WOOD CHIPS, STAVES, MOLDINGS-----	793,478	710,011			27,618	55,849	
2421 LUMBER-----	51			51			
2431 VENEER, PLYWOOD, WORKED WOOD-----	6,365		3,167	3,198			
2611 PULP-----	294,442	90,750			203,692		
2621 STANDARD NEWSPRINT PAPER-----	8,072						8,072
2631 PAPER AND PAPERBOARD-----	28,611		4			316	28,291
2691 PULP AND PAPER PRODUCTS, NEC-----	578,985	139,944	288,255	77,091	4,018	68,524	1,193
2819 BASIC CHEMICALS AND PROD, NEC-----	300,187		300,187				
2871 NITROGENOUS CHEM FERTILIZERS-----	18,773	7,863	10,890				
2911 GASOLINE-----	880,393	2,010	664,671	158,210	53,852		1,650
2912 JET FUEL-----	30,692		30,692				
2914 DISTILLATE FUEL OIL-----	86,618		653,038	111,288	192,823	469	
2915 RESIDUAL FUEL OIL-----	1,436,024	2,092	439,374	540,944	493,614		
2916 LUBRICATING OILS AND GREASES-----	1,308			1,308			
2918 ASPHALT, TAR, AND PITCHES-----	8,151		8,151				
2991 PETROLEUM AND COAL PROD, NEC-----	1,273			1,273			
3011 RUBBER AND MISC PLASTIC PROD-----	22		11				11
3211 GLASS AND GLASS PRODUCTS-----	18						18
3271 LIME-----	53		53				
3281 CUT STONE AND STONE PRODUCTS-----	19						19
3291 MISC NONMETALLIC MINERAL PROD-----	2,133	134	134		1,865		
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,200			1,200			
3319 IRON AND STEEL PRODUCTS, NEC-----	150		150				
3411 FABRICATED METAL PRODUCTS-----	803		663			140	
3511 MACHINERY, EXCEPT ELECTRICAL-----	204	40	40	60	50		14
3611 ELECTRICAL MACH AND EQUIP-----	7		7				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	90	28		78			
3911 MISC MANUFACTURED PRODUCTS-----	5						5
4012 NONFERROUS METAL SCRAP-----	22						22
4024 PAPER WASTE AND SCRAP-----	65						65
4029 WASTE AND SCRAP, NEC-----	94,321	59,808		34,480			91
4119 EMPTY CONTAINERS-----	12,088	12	847			11,192	37
TON-MILES, INTERNAL, 372,356,686.							
TONS, ALL TRAFFIC, 48,948,515.							
TON-MILES, ALL TRAFFIC, 3,248,989,753.							

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

SKIPANON CHANNEL, OREG.

SECTION INCLUDED: CHANNEL FROM COLUMBIA RIVER TO RAILROAD BRIDGE, 2 MILES, INCLUDING MOORING BASIN AT WARRENTON, AND A CHANNEL ABOVE RAILROAD BRIDGE, APPROXIMATELY 1 MILE. CONTROLLING DEPTH: 7 FEET TO RAILROAD BRIDGE, THENCE 2.5 FEET TO END OF PROJECT. PROJECT DEPTH: MAINTAINED AT 12 FEET COLUMBIA RIVER TO RAILROAD BRIDGE INCLUDING TURNING BASIN, 12 FEET IN MOORING BASIN AT WARRENTON AND 6 FEET ABOVE RAILROAD BRIDGE.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971-----	86,805	59,497	146,302	1976-----	272,746	179,044	451,790
1972-----	191,675	52,130	243,805	1977-----	237,972	179,840	413,812
1973-----	240,129	70,548	310,677	1978-----	162,364	169,935	332,299
1974-----	280,919	358,986	639,905	1979-----	168,242	117,185	285,427
1975-----	464,009	210,120	674,129	1980-----	136,547	126,811	263,358

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL	
		INBOUND	OUTBOUND
TOTAL-----	263,358	30,188	233,170
2412 RAFTED LOGS-----	126,811	30,188	96,623
2413 FUEL WOOD, CHARCOAL, WASTES-----	8,238		8,238
2416 WOOD CHIPS, STAVES, MOLDINGS-----	128,309		128,309
TOTAL TON-MILES, 368,767.			

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
1971-----		440,748	440,748	1976-----	538	1,086,602	1,087,140
1972-----	544	360,310	360,854	1977-----	546	923,327	923,873
1973-----	31	80,946	80,977	1978-----		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

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL		
		INBOUND	OUTBOUND	UPBOUND
TOTAL-----	725,294	137,131	395,893	192,270
0107 WHEAT-----	19,491		19,491	
2412 RAFTED LOGS-----	705,803	137,131	376,402	192,270
TOTAL TON-MILES, 1,608,736.				

PORT OF ASTORIA, OREG.

SECTION INCLUDED: (STATISTICS FOR THAT SECTION OF THE PORT WITH FRONTAGE ON THE COLUMBIA RIVER ARE ALSO INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG., AND STATISTICS FOR PORTION OF PORT WITH FRONTAGE ON YOUNGS BAY ARE ALSO INCLUDED IN STATISTICS FOR YOUNGS BAY AND YOUNGS RIVER, OREG.) CONTROLLING DEPTH: 38 FEET IN COLUMBIA RIVER AND 9 FEET IN YOUNGS BAY. PROJECT DEPTH: 40 FEET IN COLUMBIA RIVER AND 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
1971-----	1,444,192	96,785	1,540,977	81	1976-----	2,738,935	1,429,038	4,167,973	61
1972-----	1,802,484	119,315	1,921,799	156	1977-----	1,540,034	1,088,929	2,628,963	10
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-----	1,507,280	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

PORTLAND, OREG., DISTRICT

PORT OF ASTORIA, OREG.--CONTINUED

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE	INTERNAL		
				RECEIPTS	RECEIPTS	SHIPMENTS	
TOTAL	2,437,185	204,991	1,045,983	1,410	1,122,188	60,419	2,194
0107 WHEAT	49,381		49,381				
0129 FIELD CROPS, NEC	1,369	1	1,368				
0131 FRESH FRUITS AND TREE NUTS	97		97				
0141 FRESH AND FROZEN VEGETABLES	683		683				
0161 ANIMALS AND PRODUCTS, NEC	21		21				
0191 MISCELLANEOUS FARM PRODUCTS	2		2				
0841 CRUDE RUBBER AND ALLIED GUMS	30	30					
0911 FRESH FISH, EXCEPT SHELLFISH	18,328		58		17,920	350	
0912 SHELLFISH, EXCEPT PREPARED	1,690		19		1,671		
1091 ALUMINUM ORES, CONCENTRATES	191,500	191,500					
1442 SAND, GRAVEL, CRUSHED ROCK	18,472				18,472		
1491 CLAY	1,630		1,630				
1499 NONMETALLIC MINERALS, NEC	103		103				
1911 ORDNANCE AND ACCESSORIES	4						
2011 MEAT, FRESH, CHILLED, FROZEN	20	20					
2031 FISH AND SHELLFISH, PREPARED	1,611		146	1,300		165	
2034 VEGETABLES AND PREP, NEC	342	55	287				
2039 PREP FRUIT AND VEG JUICE, NEC	218		218				
2042 PREPARED ANIMAL FEEDS, NEC	251		251				
2081 ALCOHOLIC BEVERAGES	78	60	18				
2099 MISCELLANEOUS FOOD PRODUCTS	1,838		1,838				
2211 BASIC TEXTILE PRODUCTS	5	1	4				
2411 LOGS	924,005		924,005				
2412 RAFTED LOGS	871,316				810,494	52,822	
2414 TIMBER, POSTS, POLES, PILING	1,034		1,034				
2416 WOOD CHIPS, STAVES, MOLDINGS	102		102				
2421 LUMBER	38,518	41	38,457				
2431 VENEER, PLYWOOD, WORKED WOOD	7,314	926	423			4,171	2,194
2491 WOOD MANUFACTURES, NEC	56	23	33				
2511 FURNITURE AND FIXTURES	38	27	11				
2631 PAPER AND PAPERBOARD	19,928		19,928				
2791 PULP AND PAPER PRODUCTS, NEC	2,173		143			2,030	
2811 PRINTED MATTER	13	2	11				
2819 BASIC CHEMICALS AND PROD, NEC	298		298				
2821 PLASTIC MATERIALS	21		21				
2841 SOAP	54		54				
2851 PAINTS	1		1				
2871 NITROGENOUS CHEM FERTILIZERS	596		596				
2891 MISCELLANEOUS CHEMICAL PROD	8		8				
2911 GASOLINE	9,453				9,453		
2914 DISTILLATE FUEL OIL	31,452				31,452		
2915 RESIDUAL FUEL OIL	165,807				164,926	881	
2951 ASPHALT BUILDING MATERIALS	11		11				
3011 RUBBER AND MISC PLASTIC PROD	6		6				
3111 LEATHER AND LEATHER PRODUCTS	9		9				
3211 GLASS AND GLASS PRODUCTS	14	14					
3251 STRUCTURAL CLAY PRODUCTS	1		1				
3291 MISC NONMETALLIC MINERAL PROD	29	6	23				
3315 IRON, STEEL SHAPES, EXC SHEET	6,242	6,227	15				
3316 IRON AND STEEL PLATES, SHEETS	708	659	49				
3317 IRON AND STEEL PIPE AND TUBE	1,954	1,850	104				
3318 FERROALLOYS	2		2				
3324 ALUMINUM AND ALLOYS, UNWORKED	1,101		1,101				
3411 FABRICATED METAL PRODUCTS	451	220	231				
3511 MACHINERY, EXCEPT ELECTRICAL	2,827	6	2,821				
3611 ELECTRICAL MACH AND EQUIP	61		58				
3711 MOTOR VEHICLES, PARTS, EQUIP	1,411	1,339	72				
3751 SHIPS AND BOATS	119		9	110			
3791 MISC TRANSPORTATION EQUIPMENT	2,178	2,170	8				
3811 INSTR, TIME, PHOTO, OPT GOODS	48	1	47				
3911 MISC MANUFACTURED PRODUCTS	54	35	19				
4024 PAPER WASTE AND SCRAP	136		136				
4029 WASTE AND SCRAP, NEC	59,800				59,800		
4112 COMMODITIES, NEC	146	146					
9999 DEPARTMENT OF DEFENSE AND SCI	19		19				

DEEP RIVER, WASH,

SECTION INCLUDED: MOUTH TO TOWN OF DEEP RIVER, WASH., A DISTANCE OF 6 MILES. CONTROLLING DEPTH: 7.5 FEET TO MILE 2.25, THENCE 2.9 FEET TO TOWN OF DEEP RIVER. PROJECT DEPTH: 8 FEET THROUGH BAR AT ENTRANCE TO TOWN OF DEEP RIVER.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971	956	463,691	464,647	1976	2,607	500,739	503,346
1972		291,218	291,218	1977	3,005	325,329	328,334
1973		14,790	14,790	1978	5,027	341,891	346,918
1974	3,789	556,063	559,852	1979	4,916	259,080	263,996
1975	2,505	497,225	499,730	1980	2,215	489,455	491,670

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

DEEP RIVER, WASH.--CONTINUED

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL	
		INBOUND	OUTBOUND
TOTAL-----	491,670	247,889	243,781
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,215	2,215	-----
2412 RAFTED LOGS-----	489,455	245,674	243,781
TOTAL TON-MILES. 1,619,965.			

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, MAUNA, BEAVER 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
1971-----	850,359	959,181	1,409,940	1976-----	1,043,325	346,474	1,389,799
1972-----	1,050,866	471,893	1,522,759	1977-----	1,199,627	271,579	1,471,206
1973-----	1,291,798	357,728	1,649,526	1978-----	1,065,682	223,410	1,289,092
1974-----	1,549,375	287,627	1,837,002	1979-----	1,332,426	220,773	1,553,199
1975-----	1,157,773	413,722	1,571,495	1980-----	823,095	425,052	1,248,147

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL		LOCAL
		SHIPMENTS	RECEIPTS	SHIPMENTS	RECEIPTS	
TOTAL-----	1,248,147	29,655	730,462	476,834	-----	11,196
1442 SAND, GRAVEL, CRUSHED ROCK-----	4,753	-----	4,753	-----	-----	-----
1451 CLAY-----	1,003	-----	969	34	-----	-----
2411 LOGS-----	210	-----	-----	-----	-----	-----
2412 RAFTED LOGS-----	429,092	-----	311,770	113,282	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	63,710	-----	63,710	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	256,739	-----	243,409	2,134	-----	11,196
2421 LUMBER-----	29,655	29,655	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	374,213	-----	19,666	354,547	-----	-----
2914 DISTILLATE FUEL OIL-----	6,837	-----	-----	6,837	-----	-----
2915 RESIDUAL FUEL OIL-----	95,975	-----	85,975	-----	-----	-----

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
1971-----	3,616,158	746,093	4,362,251	75	1976-----	7,268,877	1,954,649	9,223,526	-----
1972-----	4,806,756	624,437	5,431,193	87	1977-----	6,864,771	1,504,615	8,169,386	-----
1973-----	5,444,493	414,949	5,859,442	34	1978-----	7,423,913	948,742	8,372,699	-----
1974-----	5,964,459	1,733,192	7,697,651	20	1979-----	6,959,661	1,540,409	8,500,070	-----
1975-----	5,648,647	1,731,772	7,380,419	-----	1980-----	5,543,000	1,413,229	6,956,229	-----

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	9,956,229	760,724	5,966,632	214,265	24,331	2,066,445	900,512	23,320
0102 BARLEY AND RYE-----	141,144	-----	131,845	-----	-----	9,299	-----	-----
0103 CORN-----	2	-----	2	-----	-----	-----	-----	-----
0104 OATS-----	84,526	-----	84,526	-----	-----	-----	-----	-----
0107 WHEAT-----	2,974,650	-----	2,350,999	-----	-----	623,671	-----	-----

PORTLAND, OREG., DISTRICT

49

PORT OF LONGVIEW, WASH.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL		
		IMPORTS	EXPORTS	COASTWISE			INTERNAL	
				RECEIPTS	SHIPMENTS		RECEIPTS	SHIPMENTS
0129 FIELD CROPS, NEC	196		196					
0131 FRESH FRUITS AND TREE NUTS	113		113					
0133 COFFEE	193	193						
0141 FRESH AND FROZEN VEGETABLES	13,368		13,368					
0161 ANIMALS AND PRODUCTS, NEC	3	3						
0191 MISCELLANEOUS FARM PRODUCTS	21	4	17					
0841 CRUDE RUBBER AND ALLIED GUMS	196	196						
0861 FOREST PRODUCTS, NEC	10	10						
0911 FRESH FISH, EXCEPT SHELLFISH	27				27			
1021 COPPER ORE AND CONCENTRATES	7,536		7,536					
1051 ALUMINUM ORES, CONCENTRATES	405,388	405,388						
1091 NONFERROUS ORES, CONCENT, NEC	16,093	16,093						
1442 SAND, GRAVEL, CRUSHED ROCK	48,682				48,682			
1491 SALT	272,248	272,248						
1499 NONMETALLIC MINERALS, NEC	292		292					
1911 ORDNANCE AND ACCESSORIES	1		1					
2011 MEAT, FRESH, CHILLED, FROZEN	191	191						
2014 TALLOW, ANIMAL FATS AND OILS	439		439					
2022 DRIED MILK AND CREAM	225		225					
2031 FISH AND SHELLFISH, PREPARED	19		19					
2034 VEGETABLES AND PREP, NEC	4,041	3,261	780					
2039 PREP FRUIT AND VEG JUICE, NEC	6,885	6,393	532					
2042 PREPARED ANIMAL FEEDS	172		37		139			
2049 GRAIN MILL PRODUCTS, NEC	262	1	261					
2081 ALCOHOLIC BEVERAGES	1,412		1,398			14		
2099 MISCELLANEOUS FOOD PRODUCTS	709	284	425					
2211 BASIC TEXTILE PRODUCTS	666	626	40					
2311 APPAREL	193	193						
2411 LOGS	2,425,093		2,398,216		25,768	244		
2412 RAFTED LOGS	1,413,229				527,206	863,508		
2413 FUEL WOOD, CHARCOAL, WASTES	64,106		10,414		53,692			
2414 TIMBER, POSTS, POLES, PILING	4,860		4,860					
2416 WOOD CHIPS, STAVES, HOLDINGS	970,774		487,790		483,024			
2421 LUMBER	192,414	1,295	126,828					
2431 VENEER, PLYWOOD, WORKED WOOD	18,196	7,052	11,144					
2491 WOOD MANUFACTURES, NEC	7,351	373	6,978					
2511 FURNITURE AND FIXTURES	113	113						
2611 PULP	51,137		51,137					
2631 PAPER AND PAPERBOARD	197,803	47	197,752			4		
2691 PULP AND PAPER PRODUCTS, NEC	47	34	13					
2711 PRINTED MATTER	2	2						
2819 BASIC CHEMICALS AND PROD, NEC	36,394	31,409	65		4,920			
2821 PLASTIC MATERIALS	2,697	137	2,560					
2831 DRUGS	2		2					
2841 SOAP	40		40					
2851 PAINTS	179	113	66					
2871 NITROGENOUS CHEM FERTILIZERS	44,212		44,212					
2876 INSECTICIDES, DISINFECTANTS	9	9						
2891 MISCELLANEOUS CHEMICAL PROD	81	40	41					
2911 GASOLINE	49,479		1	5,079	44,399			
2914 DISTILLATE FUEL OIL	79,686			15,571	63,413	702		
2915 RESIDUAL FUEL OIL	408,398			193,115	185,116	30,167		
2916 LUBRICATING OILS AND GREASES	309		309					
3011 RUBBER AND MISC PLASTIC PROD	1,081	1,066	4			11		
3111 LEATHER AND LEATHER PRODUCTS	95	95						
3211 GLASS AND GLASS PRODUCTS	97	97						
3251 STRUCTURAL CLAY PRODUCTS	1	1						
3291 MISC NONMETALLIC MINERAL PROD	2,298	294	5		1,999			
3315 IRON, STEEL SHAPES, EXC SHEET	3,160	3,160						
3317 IRON AND STEEL PIPE AND TUBE	4,559	4,528	31					
3319 IRON AND STEEL PRODUCTS, NEC	21	20	1					
3321 NONFERROUS METALS, NEC	6	6						
3322 COPPER ALLOYS, UNWORKED	5	5						
3324 ALUMINUM AND ALLOYS, UNWORKED	8,618		8,618					
3411 FABRICATED METAL PRODUCTS	2,249	1,848	178			243		
3511 MACHINERY, EXCEPT ELECTRICAL	3,529	1,082	2,017	500	10			
3611 ELECTRICAL MACH AND EQUIP	1,294	989	305					
3711 MOTOR VEHICLES, PARTS, EQUIP	567	436	131					
3721 AIRCRAFT AND PARTS	2		2					
3731 SHIPS AND BOATS	23	23						
3791 MISC TRANSPORTATION EQUIPMENT	42		42					
3811 INSTR, TIME, PHOTO, OPT GOODS	69	65	4					
3911 MISC MANUFACTURED PRODUCTS	980	565	15					
4011 IRON AND STEEL SCRAP	19,573		19,573					
4012 NONFERROUS METAL SCRAP	60		60					
4024 PAPER WASTE AND SCRAP	145		145					
4112 COMMODITIES, NEC	1,218	1,176	42					
4119 EMPTY CONTAINERS	643				639			

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

PORT OF KALAMA, WASH.

SECTION INCLUDED: (INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.)
CONTROLLING DEPTH: 30 FEET. PROJECT DEPTH: 40 FEET AT LOW WATER;

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971	830,710	198,830	989,940	1976	1,073,862	211,014	1,284,876
1972	1,204,146	203,376	1,447,522	1977	671,322	187,692	858,974
1973	1,164,927	216,861	1,381,788	1978	854,474	167,749	1,013,223
1974	1,157,673	94,632	1,292,305	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

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL	1,465,692	24,951	503,070	8,228	11,438	804,152	113,853
0102 BARLEY AND RYE	5,302				2,263	3,039	
0103 CORN	5,225				5,225		
0107 WHEAT	1,246,493		592,135		2,370	741,908	
0129 FIELD CROPS, NEC	22		22				
1442 SAND, GRAVEL, CRUSHED ROCK	2,193					2,193	
2039 PREP FRUIT AND VEG JUICE, NEC	25	25					
2049 GRAIN MILL PRODUCTS, NEC	1,580				1,580		
2412 RAFTED LOGS	154,322					41,231	113,091
2817 BENZENE AND TOLUENE	8,228			8,228			
2819 BASIC CHEMICALS AND PROD, NEC	25,634	24,792	842				
2821 PLASTIC MATERIALS	40		40				
2914 DISTILLATE FUEL OIL	1,565					1,565	
2915 RESIDUAL FUEL OIL	14,878					14,116	762
3315 IRON, STEEL SHAPES, EXC SHEET	16		16				
3317 IRON AND STEEL PIPE AND TUBE	112		112				
3321 NONFERROUS METALS, NEC	6		6				
3511 MACHINERY, EXCEPT ELECTRICAL	30		10				20
4024 PAPER WASTE AND SCRAP	21		21				

PORT OF ST. HELENS, OREG.

SECTION INCLUDED: (INCLUDED IN STATISTICS FOR COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREGON).
CONTROLLING DEPTH: 30 FEET IN THE ST. HELENS CHANNEL, EXCEPT THAT THE UPSTREAM CONNECTION TO THE MAIN CHANNEL HAS NOT BEEN MAINTAINED.
PROJECT DEPTH: 30 FEET AT LOW WATER IN ST. HELENS CHANNEL AND 30 FEET AT LOW WATER IN CONNECTING CHANNEL AT FOOT OF SAUVIE ISLAND.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971	29,591	5,846	39,077	1976	28,284	188,294	216,580
1972	154,205	7,112	161,317	1977	28,875	183,491	212,326
1973	24,713	23,875	47,788	1978	92,145	171,140	223,285
1974	26,667	72,940	99,607	1979	39,064	180,844	219,908
1975	14,395	54,165	68,960	1980	219,904	94,811	314,715

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	INTERNAL		LOCAL
		SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	314,715	11,538	249,468	52,781	920
1442 SAND, GRAVEL, CRUSHED ROCK	4,674		4,674		
2412 RAFTED LOGS	94,811		41,132	52,781	920
2811 PULP	203,692		203,692		
2871 NITROGENOUS CHEM FERTILIZERS	11,538	11,538			

PORTLAND, OREG., DISTRICT

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 380-FOOT CHANNEL AT NORTH END; 14.5 TO 21 FEET IN A 258-FOOT CHANNEL AT SOUTH END; 8 TO 50 FEET IN REMAINDER OF CHANNEL. PROJECT DEPTH: 25 FEET DEEP AND 9,000 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
1971	1,850,287	33,811	1,883,298	1976	1,834,938	1,884,975	2,119,513
1972	2,251,319	46,589	2,297,918	1977	1,387,675	759,848	2,156,715
1973	1,841,124	126,834	1,967,958	1978	1,656,217	584,880	2,241,097
1974	1,958,931	1,049,369	3,008,300	1979	1,348,658	756,953	2,105,211
1975	1,492,640	1,082,118	2,574,758	1980	1,120,679	778,197	1,898,276

• PASSENGERS--8,734.

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL			
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL	1,890,276	462,317	1,269,612	81,334	77,813
1442 SAND, GRAVEL, CRUSHED ROCK	795,295		795,295		
1471 PHOSPHATE ROCK	660		660		
2411 LOGS	263		263		
2412 RAFTED LOGS	770,197	357,956	253,894	81,334	77,813
2414 TIMBER, POSTS, POLES, PILING	1,782		1,782		
2416 WOOD CHIPS, STAVES, HOLDINGS	94,852		94,852		
2611 PULP	90,750		90,750		
2691 PULP AND PAPER PRODUCTS, NEC	71,647		71,647		
2914 DISTILLATE FUEL OIL	489		489		
2915 RESIDUAL FUEL OIL	104,361	104,361			
TOTAL TON-MILES	13,505,617.				

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: 26 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971	171,557	58,285	229,842	1976	132,669	298,780	423,369
1972	230,359	91,661	322,020	1977	158,611	131,768	290,379
1973	171,625	173,215	344,840	1978	312,844	282,311	514,375
1974	282,300	298,921	521,221	1979	329,216	68,913	398,129
1975	193,237	169,267	362,504	1980	386,665	28,863	327,470

• PASSENGERS--21,252.

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	INTERNAL	
		SHIPMENTS	INBOUND	OUTBOUND
TOTAL	327,470	14,202	239,135	81,133
0111 SOYBEANS	344		344	
0122 HAY AND FODDER	16,858		15,364	894
0129 FIELD CROPS, NEC	798		798	
0141 FRESH AND FROZEN VEGETABLES	4,786		4,393	393
0161 ANIMALS AND PRODUCTS, NEC	1,813		1,213	
1442 SAND, GRAVEL, CRUSHED ROCK	167,428		118,993	58,427
1499 NONMETALLIC MINERALS, NEC	777		777	
2015 ANIMAL BY-PRODUCTS, NEC	7,919		7,919	
2034 VEGETABLES AND PREP, NEC	7,953		6,891	862
2039 PREP FRUIT AND VEG JUICE, NEC	268		268	
2042 PREPARED ANIMAL FEEDS	1,915	306	1,129	
2081 ALCOHOLIC BEVERAGES	810	218		
2099 MISCELLANEOUS FOOD PRODUCTS	199	198	40	
2412 RAFTED LOGS	20,885		3,696	17,119
2421 LUMBER	2,589	2,589		
2431 VENEER, PLYWOOD, WORKED WOOD	1,632	1,632		
2491 WOOD MANUFACTURES, NEC	56		56	
2911 FURNITURE AND FIXTURES	75		75	
2621 STANDARD NEWSPRINT PAPER	9,137	1,065	8,072	
2631 PAPER AND PAPERBOARD	30,951	1,951	28,291	309

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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

FREIGHT TRAFFIC, 1980--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		SHIPMENTS	INBOUND	OUTBOUND	
2491 PULP AND PAPER PRODUCTS, NEC	2,392	1,239	1,153		
2841 SOAP	21	21			
2871 NITROGENOUS CHEM FERTILIZERS	1,924	1,924			
2914 DISTILLATE FUEL OIL	1,566		1,566		
2919 RESIDUAL FUEL OIL	33,647		33,647		
2919 ASPHALT, TAR, AND BITUMENS	1,907	1,907			
3011 RUBBER AND MISC PLASTIC PROD	31	20			11
3211 GLASS AND GLASS PRODUCTS	18				18
3221 CUT STONE AND STONE PRODUCTS	19				19
3291 MISC NONMETALLIC MINERAL PROD	432	164	134		134
3321 NONFERROUS METALS, NEC	18	18			
3411 FABRICATED METAL PRODUCTS	141	1			140
3511 MACHINERY, EXCEPT ELECTRICAL	87	33	46		14
3611 ELECTRICAL MACH AND EQUIP	20	20			
3711 MOTOR VEHICLES, PARTS, EQUIP	20				20
3711 MISC MANUFACTURED PRODUCTS	5				5
4012 NONFERROUS METAL SCRAP	22		22		
4024 PAPER WASTE AND SCRAP	65		65		
4029 WASTE AND SCRAP, NEC	41		41		
4112 COMMODITIES, NEC	564	564			
4119 EMPTY CONTAINERS	11,242		50		11,192

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
1971	2,476,418	279,750	2,705,168	1976	2,779,076	260,568	3,039,644
1972	2,963,920	224,838	3,188,758	1977	2,568,201	264,472	2,832,673
1973	3,309,941	284,723	3,590,664	1978	2,941,679	273,103	3,214,782
1974	2,791,784	350,580	3,142,364	1979	3,841,547	184,985	3,226,532
1975	3,009,128	497,789	3,466,913	1980	2,779,893	131,559	2,911,452

* PASSENGERS--510.

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS			
TOTAL	2,911,452	841,068	477,729	6,156	9,608	1,182,202	340,893	57,800
0102 BARLEY AND RYE	22,909		19,840			3,069		
0103 CORN	36		36					
0104 OATS	59,167		59,167					
0107 WHEAT	1,140,583		290,828			839,028	10,927	
0129 FIELD CROPS, NEC	309		309					
0131 FRESH FRUITS AND TREE NUTS	669		669					
0141 FRESH AND FROZEN VEGETABLES	982		982					
0141 ANIMALS AND PRODUCTS, NEC	22		22					
0841 CRUDE RUBBER AND ALLIED GUMS	286	286						
0911 FRESH FISH, EXCEPT SHELLFISH	248		40			208		
0912 SHELLFISH, EXCEPT PREPARED	23					23		
1051 ALUMINUM ORES, CONCENTRATES	662,206	662,206						
1451 CLAY	9,545		9,545					
1911 ORDNANCE AND ACCESSORIES	13		13					
2011 MEAT, FRESH, CHILLED, FROZEN	114		114					
2012 MEAT AND PRODUCTS, NEC	3	3						
2014 TALLOW, ANIMAL FATS AND OILS	551		551					
2015 ANIMAL BY-PRODUCTS, NEC	367		367					
2021 DAIRY PRODUCTS, NEC	22		22					
2022 DRIED MILK AND CREAM	1,934		1,934					
2031 FISH AND SHELLFISH, PREPARED	144		144					
2034 VEGETABLES AND PREP, NEC	622		622					
2039 PREP FRUIT AND VEG JUICE, NEC	35		35					
2042 PREPARED ANIMAL FEEDS	11		11					
2049 GRAIN MILL PRODUCTS, NEC	1,673		1,673					
2099 MISCELLANEOUS FOOD PRODUCTS	239	20	219					
2211 BASIC TEXTILE PRODUCTS	2		2					
2412 RAFFED LOGS	131,559					67,550	8,907	55,302
2413 FUEL WOOD, CHARCOAL, WASTES	5		5					
2421 LUMBER	70,652	7,980	62,672					
2431 VENEER, PLYWOOD, WORKED WOOD	20,252	20,235	17					
2491 WOOD MANUFACTURES, NEC	3,403	3,403						
2511 FURNITURE AND FIXTURES	89		89					

PORTLAND, OREG., DISTRICT

PORT OF VANCOUVER, WASH.--CONTINUED

FREIGHT TRAFFIC, 1968--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL		
		IMPORTS	EXPORTS	COASTWISE			INTERNAL	
				RECEIPTS	SHIPMENTS		RECEIPTS	SHIPMENTS
2611 PULP-----	294,693		211			90,750	203,692	
2631 PAPER AND PAPERBOARD-----	4,094	18	4,076					
2691 PULP AND PAPER PRODUCTS, NEC-----	22		2			20		
2711 PRINTED MATTER-----	1		1					
2813 ALCOHOLS-----	6,156			6,156				
2819 BASIC CHEMICALS AND PROD, NEC-----	22,927		10,493			4,434		
2821 PLASTIC MATERIALS-----	91	90	1					
2851 PAINTS-----	3		3					
2871 NITROGENOUS CHEM FERTILIZERS-----	29,635	14,336			5,600	9,691		
2879 FERTILIZER AND MATERIALS, NEC-----	1,500	1,500						
2891 MISCELLANEOUS CHEMICAL PROD-----	20		20					
2911 GASOLINE-----	32,100					8,449	22,752	1,819
2914 DISTILLATE FUEL OIL-----	115,414					21,404	92,931	1,479
2919 RESIDUAL FUEL OIL-----	139,413					137,776	1,637	
3011 RUBBER AND MISC PLASTIC PROD-----	30		30					
3111 LEATHER AND LEATHER PRODUCTS-----	160		160					
3315 IRON, STEEL SHAPES, EXC SHEET-----	90,130	90,130						
3317 IRON AND STEEL PIPE AND TUBE-----	30,104	30,102	2					
3318 FERROALLOYS-----	6,394	6,394						
3319 IRON AND STEEL PRODUCTS, NEC-----	43	43						
3321 NONFERROUS METALS, NEC-----	84	84						
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,717		2,717					
3411 FABRICATED METAL PRODUCTS-----	2,232	835	977				420	
3911 MACHINERY, EXCEPT ELECTRICAL-----	410		410					
3611 ELECTRICAL MACH AND EQUIP-----	23		23					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	43,301	43,301						
3721 AIRCRAFT AND PARTS-----	1		1					
3731 SHIPS AND BOATS-----	11	11						
3791 MISC TRANSPORTATION EQUIPMENT-----	3		6					
3911 MISC MANUFACTURED PRODUCTS-----	3		3					
4012 NONFERROUS METAL SCRAP-----	198		198					
4024 PAPER WASTE AND SCRAP-----	726		726					
4119 EMPTY CONTAINERS-----	67						67	

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

SECTION INCLUDED: COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG., A DISTANCE OF ABOUT 85 MILES, CONTROLLING DEPTH: 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
1971-----	3,943,597	954,701	4,898,388	1976-----	6,529,546	1,674,266	8,203,812
1972-----	4,833,915	781,498	5,615,413	1977-----	6,760,747	1,418,085	8,178,832
1973-----	4,588,252	1,184,836	5,773,088	1978-----	7,876,232	1,112,512	8,988,744
1974-----	4,782,522	2,116,668	6,899,190	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

* PASSENGERS--48,601.

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		SHIPMENTS	THROUGH		UPBOUND	DOWNBOUND	THROUGH		
			DOWNBOUND	INBOUND			OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	10,744,089	340,118	5,436	523,847	1,509,900	845,509	355,917	1,802,494	9,340,868
0102 BARLEY AND RYE-----	94,921								94,921
0107 WHEAT-----	5,135,916				98,045			25,249	9,012,622
0111 SOYBEANS-----	344								344
0122 HAY AND FODDER-----	16,058							694	15,364
0129 FIELD CROPS, NEC-----	978								978
0141 FRESH AND FROZEN VEGETABLES-----	4,786							393	4,393
0151 LIVE ANIMALS-----	40					40			
0161 ANIMALS AND PRODUCTS, NEC-----	1,213								1,213
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,447			21		1,426			
0912 SHELLFISH, EXCEPT PREPARED-----	40					40			
1442 SAND, GRAVEL, CRUSHED ROCK-----	761,423	340,118		8,998	119,295	291,162		1,778	112
1451 CLAY-----	10,750			8,689	2,061				
2015 ANIMAL BY-PRODUCTS, NEC-----	8,922								8,922
2034 VEGETABLES AND PREP, NEC-----	7,551							505	7,046
2039 PREP FRUIT AND VEG JUICE, NEC-----	307								307
2042 PREPARED ANIMAL FEEDS-----	1,948								1,948
2049 GRAIN MILL PRODUCTS, NEC-----	6,077			4,920	1,024				133
2062 MOLASSES-----	3,729							3,729	
2081 ALCOHOLIC BEVERAGES-----	14							14	
2099 MISCELLANEOUS FOOD PRODUCTS-----	40								40
2411 LOGS-----	78,237			10,804					67,433
2412 RAFTED LOGS-----	1,599,325			234,865	502,359	572,776	274,778	114	14,633
2413 FUEL WOOD, CHARCOAL, WASTES-----	65,691				93,692		11,376		623

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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

FREIGHT TRAFFIC, 1980--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL					
		SHIPMENTS	THROUGH DOWNBOUND	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
								UPBOUND	DOWNBOUND
2415 PULPMOOD, LOG	1,119								1,119
2416 WOOD CHIPS, STAVES, HOLDINGS	592,598			55,849	426,986		69,763		
2621 STANDARD NEWSPRINT PAPER	8,072								8,072
2631 PAPER AND PAPERBOARD	29,286			7	675			313	28,291
2691 PULP AND PAPER PRODUCTS, NEC	343,312			37,975	304,184				1,153
2819 BASIC CHEMICALS AND PROD, NEC	304,452			6,455	85			297,912	
2871 NITROGENOUS CHEM FERTILIZERS	23,515			9,691				5,941	7,883
2911 GASOLINE	664,331			4,151				660,520	3,660
2912 JET FUEL	30,692							30,692	
2914 DISTILLATE FUEL OIL	651,853			3,363				648,550	
2919 RESIDUAL FUEL OIL	290,890		5,436	138,306	1,242			105,056	850
2918 ASPHALT, TAR, AND PITCHES	8,151							8,151	
3011 RUBBER AND MISC PLASTIC PROD	22							22	
3211 GLASS AND GLASS PRODUCTS	18							18	
3271 LIME	53			53					
3291 CUT STONE AND STONE PRODUCTS	19								19
3411 FABRICATED METAL PRODUCTS	803							803	
3511 MACHINERY, EXCEPT ELECTRICAL	119				40	65		14	
3611 ELECTRICAL MACH AND EQUIP	7								7
3911 MISC MANUFACTURED PRODUCTS	5								5
4012 NONFERROUS METAL SCRAP	22								22
4024 PAPER WASTE AND SCRAP	65								65
4029 WASTE AND SCRAP, NEC	59,841								59,841
4119 EMPTY CONTAINERS	12,287				212			12,026	49
TOTAL TON-MILES	614,017,169.								

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 DEPTH: WITHIN THE DALLES AND JOHN DAY POOLS, 14 FEET, PROJECT DEPTH: 14 FEET AT ADOPTED LOW WATER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	2,147,554	1976	5,268,069
1972	3,216,167	1977	4,865,268
1973	3,139,645	1978	6,118,003
1974	3,164,164	1979	6,442,713
1975	3,731,101	1980*	7,725,206

* PASSENGERS--109.

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL			
		THROUGH DOWNBOUND	INBOUND	OUTBOUND	THROUGH		
					UPBOUND	DOWNBOUND	
TOTAL	7,725,206	5,436	560,799	501,475	1,793,571	4,863,925	
0102 BARLEY AND RYE	94,521			3,933		90,588	
0107 WHEAT	5,037,871		5,127	486,205	20,122	4,526,417	
0111 SOYBEANS	344					344	
0122 HAY AND FODDER	16,058				694	15,364	
0129 FIELD CROPS, NEC	978					978	
0141 FRESH AND FROZEN VEGETABLES	4,766				393	4,393	
0161 ANIMALS AND PRODUCTS, NEC	1,213					1,213	
1442 SAND, GRAVEL, CRUSHED ROCK	1,890		1,778			112	
2015 ANIMAL BY-PRODUCTS, NEC	8,522					8,522	
2034 VEGETABLES AND PREP, NEC	7,551				505	7,046	
2039 PREP FRUIT AND VEG JUICE, NEC	307					307	
2042 PREPARED ANIMAL FEEDS	1,548					1,548	
2049 GRAIN MILL PRODUCTS, NEC	133					133	
2062 MOLASSES	3,729				3,729		
2081 ALCOHOLIC BEVERAGES	14				14		
2099 MISCELLANEOUS FOOD PRODUCTS	40					40	
2411 LOGS	75,475			3,464		72,011	
2412 RAFTED LOGS	19,972			5,670	228	14,074	
2413 FUEL WOOD, CHARCOAL, WASTES	623					623	
2415 PULPMOOD, LOG	1,119					1,119	
2621 STANDARD NEWSPRINT PAPER	8,072					8,072	
2631 PAPER AND PAPERBOARD	29,286					28,291	
2691 PULP AND PAPER PRODUCTS, NEC	1,153					1,153	
2819 BASIC CHEMICALS AND PROD, NEC	302,348				297,912	4,434	
2871 NITROGENOUS CHEM FERTILIZERS	19,566				5,941	12,525	
2911 GASOLINE	664,140					660,520	
2912 JET FUEL	30,692					30,692	
2914 DISTILLATE FUEL OIL	650,753		2,344	2,203		646,206	
2919 RESIDUAL FUEL OIL	111,342		5,436			105,056	
2918 ASPHALT, TAR, AND PITCHES	8,151					8,151	
3011 RUBBER AND MISC PLASTIC PROD	22					22	

PORTLAND, OREG., DISTRICT

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

FREIGHT TRAFFIC, 1980--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL			
		THROUGH	DOWNBOUND	INBOUND	OUTBOUND	THROUGH	
						UPBOUND	DOWNBOUND
3211 GLASS AND GLASS PRODUCTS-----	18					18	
3281 CUT STONE AND STONE PRODUCTS-----	19						19
3411 FABRICATED METAL PRODUCTS-----	803					803	
3511 MACHINERY, EXCEPT ELECTRICAL-----	14					14	
3611 ELECTRICAL MACH AND EQUIP-----	7						7
3911 MISC MANUFACTURED PRODUCTS-----	5						5
4012 NONFERROUS METAL SCRAP-----	22						22
4024 PAPER WASTE AND SCRAP-----	65						65
4029 WASTE AND SCRAP, NEC-----	611,391			551,550			59,841
4119 EMPTY CONTAINERS-----	12,287					12,238	49
TOTAL TON-MILES, 729,577,141.							

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
1971-----	15,141,617	344,362	15,485,979	310	1976-----	20,337,715	1,154,796	21,492,513	298
1972-----	16,829,200	297,191	17,086,391	275	1977-----	20,577,249	823,813	21,400,262	196
1973-----	19,594,615	482,428	20,077,043	207	1978-----	25,905,104	668,239	26,573,343	
1974-----	19,544,836	1,226,049	20,770,885	573	1979-----	28,327,795	818,666	29,146,461	18,610
1975-----	18,605,049	995,397	19,600,446	743	1980-----	28,633,335	680,724	29,314,059	6,178

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	29,314,059	2,087,030	11,674,097	4,805,336	336,806	5,314,818	2,996,495	2,100,277
0101 COTTON, RAW-----	130		130					
0102 BARLEY AND RYE-----	408,060		320,846			79,114		
0103 CORN-----	1,203		1,203					
0104 OATS-----	109,647		109,647					
0107 WHEAT-----	11,560,459		8,593,603			2,936,404	27,295	1,197
0111 SOYBEANS-----	177		177					
0119 OILSEEDS, NEC-----	92		42					
0121 TOBACCO, LEAF-----	1,679	1,679						
0129 FIELD CROPS, NEC-----	18,213		15,954			188		
0131 FRESH FRUITS AND TREE NUTS-----	7,473		5,566	716	1,191			
0133 COFFEE-----	335		335					
0141 FRESH AND FROZEN VEGETABLES-----	74,819		66,113		7,822			
0151 LIVE ANIMALS-----	716		716					
0151 ANIMALS AND PRODUCTS, NEC-----	3,466		2,665					
0191 MISCELLANEOUS FARM PRODUCTS-----	693		343			119		
0841 CRUDE RUBBER AND ALLIED GUMS-----	982		982					
0861 FOREST PRODUCTS, NEC-----	278		14			65		
0911 FRESH FISH, EXCEPT SHELLFISH-----	2,533		1,918			350		663
0912 SHELLFISH, EXCEPT PREPARED-----	234		75			141		
1091 ALUMINUM ORES, CONCENTRATES-----	175,067	175,067						
1061 MANGANESE ORES, CONCENTRATES-----	40,144	39,875	269					
1091 NONFERROUS ORES, CONCENT, NEC-----	2,112	2,088	104					
1311 CRUDE PETROLEUM-----	478,116	445,944		32,172				
1411 LIMESTONE-----	12,152		12,152					
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,449,505	178,581	354			1,008,678	49,980	1,214,392
1451 CLAY-----	200,871		194,401			2,095	44,110	
1491 NONMETALLIC MINERALS, NEC-----	245,147	245,147						
1499 NONMETALLIC MINERALS, NEC-----	48,529		42,045		6,484			
1911 ORDNANCE AND ACCESSORIES-----	99		30					
2011 MEAT, FRESH, CHILLED, FROZEN-----	4,252		4,211	1	40			
2012 MEAT AND PRODUCTS, NEC-----	67		96					
2014 TALLOW, ANIMAL FATS AND OILS-----	6,754		6,754					
2015 ANIMAL BY-PRODUCTS, NEC-----	22,100		21,494			603		
2021 DAIRY PRODUCTS, NEC-----	341		284			43		
2022 DIETED MILK AND CREAM-----	1,504		1,504					
2031 FISH AND SHELLFISH, PREPARED-----	3,518	2,205	1,148					
2034 VEGETABLES AND PREP, NEC-----	51,844	2,747	47,125		1,943	312		
2039 PREP FRUIT AND VEG JUICE, NEC-----	20,214	13,991	5,094	1,269	221	39		
2041 WHEAT FLOUR AND SEMOLINA-----	18,583		18,583					
2042 PREPARED ANIMAL FEEDS-----	44,913		33,096			11,932	284	
2049 GRAIN MILL PRODUCTS, NEC-----	23,077	172	9,800			97	2,188	10,880
2061 SUGAR-----	446			446				

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

PORT OF PORTLAND, OREG.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	BY STATE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2002 MOLASSES-----	10,909		2,573	12,683			3,729	
2001 ALCOHOLIC BEVERAGES-----	10,660	5,306	4,714	1	567			
2091 VEGETABLE OILS, MARG, SHORT-----	61,344	61,033	101		210			
2094 GROCERIES-----	595			1	594			
2099 MISCELLANEOUS FOOD PRODUCTS-----	27,315	3,321	22,563		1,431			
2111 TOBACCO MANUFACTURES-----	1	1						
2211 BASIC TEXTILE PRODUCTS-----	6,647	6,452	142		53			
2311 APPAREL-----	2,520	2,452	77					
2411 LOGS-----	303,575		303,146		429		4	
2412 RAFTED LOGS-----	680,724					387,627	74,199	218,898
2413 FUEL WOOD, CHARCOAL, WASTES-----	1,336				1,316			20
2414 TIMBER, POSTS, POLES, PILING-----	6,226	6	4,942			335	200	703
2416 WOOD CHIPS, STAVES, MOLDINGS-----	1,048,877		1,048,877					
2421 LUMBER-----	199,693	2,065	130,467	19	67,071	14		37
2431 VENEER, PLYWOOD, WORKED WOOD-----	112,290	30,210	63,148		14,735	4,171		
2491 WOOD MANUFACTURES, NEC-----	24,915	814	18,513		5,988			
2511 FURNITURE AND FIXTURES-----	2,124	1,589	143		374			
2611 PULP-----	23,257	56	23,211					
2621 STANDARD NEWSPRINT PAPER-----	2,779				2,779			
2631 PAPER AND PAPERBOARD-----	153,555	354	130,219		21,310		1,672	
2691 PULP AND PAPER PRODUCTS, NEC-----	92,144	93	973		17,169	853,294	49,617	
2711 PRINTED MATTER-----	109	61	48					
2810 SODIUM HYDROXIDE-----	11,082				11,082			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	8,992			8,992				
2813 ALCOHOLS-----	31,552			31,552				
2819 BASIC CHEMICALS AND PROD, NEC-----	1,041,895	37,080	32,328	674,087	2,980	235	295,267	
2821 PLASTIC MATERIALS-----	4,720	864	3,042		814			
2822 SYNTHETIC RUBBER-----	3		3					
2823 SYNTHETIC (MAN-MADE) FIBERS-----	42	62						
2831 DRUGS-----	244	153	93					
2841 SOAP-----	891	518	364		67			
2851 PAINTS-----	9,367	8,536	831					
2861 GUM AND WOOD CHEMICALS-----	11	11						
2871 NITROGENOUS CHEM FERTILIZERS-----	234,091		330	189,961	28,976	7,883	5,941	
2873 PHOSPHATIC CHEM FERTILIZERS-----	38,799		38,799					
2874 INSECTICIDES, DISINFECTANTS-----	142	67	51		44			
2879 FERTILIZER AND MATERIALS, NEC-----	14,642		79	14,563				
2891 MISCELLANEOUS CHEMICAL PROD-----	2,854	577	244		2,033			
2911 GASOLINE-----	1,746,747		12	854,405	39,328		780,109	152,893
2912 JET FUEL-----	30,692						30,692	
2913 KEROSENE-----	50,809			50,809				
2914 DISTILLATE FUEL OIL-----	1,745,298			925,686	48,777	5,235	674,516	91,084
2915 RESIDUAL FUEL OIL-----	3,133,732			1,709,814		23,549	1,017,727	382,642
2916 LUBRICATING OILS AND GREASES-----	78,519	90	895		78,226			1,308
2917 NAPHTHA, PETROLEUM SOLVENTS-----	14,821			14,821				
2918 ASPHALT, TAR, AND BITUMENS-----	267,554		1	194,540	4,462		8,151	
2920 COKE, PETROLEUM COKE-----	6,849	6,849						
2951 ASPHALT BUILDING MATERIALS-----	54		19		35			
2991 PETROLEUM AND COAL PROD, NEC-----	1,353	61			19			1,273
3011 RUBBER AND MISC PLASTIC PROD-----	14,251	12,432	93		1,726			
3111 LEATHER AND LEATHER PRODUCTS-----	4,880	4,175	714					
3211 GLASS AND GLASS PRODUCTS-----	1,427	1,355	29		43			
3241 BUILDING CEMENT-----	42,566	30,360	71	12,197	138			
3251 STRUCTURAL CLAY PRODUCTS-----	1,230	1,193	3		32			
3271 LIME-----	53						53	
3281 GUT STONE AND STONE PRODUCTS-----	74	74						
3291 MISC NONMETALLIC MINERAL PROD-----	5,752	1,661	89		2,003		1,999	
3312 SLAG-----	1,866				1,866			
3314 IRON AND STEEL PRIMARY FORMS-----	1,238		48		97			
3315 IRON, STEEL SHAPES, EXC SHEET-----	292,896	291,472	14		210		1,200	
3316 IRON AND STEEL PLATES, SHEETS-----	11,315	9,175	157		1,983			
3317 IRON AND STEEL PIPE AND TUBE-----	50,034	49,675	96		263			
3318 FERROALLOYS-----	1,285	233	1,052					
3319 IRON AND STEEL PRODUCTS, NEC-----	3,589	2,987	142		480			
3321 NONFERROUS METALS, NEC-----	1,770	778	302		690			
3322 COPPER ALLOYS, UNWORKED-----	745	744	21					
3323 LEAD AND ZINC, UNWORKED-----	991		991					
3324 ALUMINUM AND ALLOYS UNWORKED-----	50,414		50,291					
3411 FABRICATED METAL PRODUCTS-----	48,110	39,998	1,926	7	6,177			
3911 MACHINERY, EXCEPT ELECTRICAL-----	32,735	22,083	9,152		1,310		70	80
3611 ELECTRICAL MACH AND EQUIP-----	7,770	5,440	1,120	42	1,141	7		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	319,309	314,716	2,474	65	1,964	20		70
3721 AIRCRAFT AND PARTS-----	39	9	29		1			
3731 SHIPS AND BOATS-----	246	115	131					
3791 MISC TRANSPORTATION EQUIPMENT-----	3,997	3,757	240					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,430	1,251	179					
3911 MISC MANUFACTURED PRODUCTS-----	3,301	2,280	401	6	614			
4011 IRON AND STEEL SCRAP-----	289,839		289,820	19				
4012 NONFERROUS METAL SCRAP-----	20,110		20,110					
4022 TEXTILE WASTE, SCRAP, SWEEP-----	42	42						
4029 WASTE AND SCRAP, NEC-----	34,480							34,480
4112 COMMODITIES, NEC-----	13,984	1,278	354	76	11,876			
4119 EMPTY CONTAINERS-----	195			36		8	141	
9999 DEPARTMENT OF DEFENSE AND SCI-----	432		432					

PORTLAND, OREG., DISTRICT

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; 6 FEET FROM OREGON CITY TO MOUTH OF SANTIAM RIVER; 5 FEET FROM MOUTH OF SANTIAM RIVER TO ALBANY; 2.5 FEET TO 3.5 FEET FROM ALBANY TO CORVALLIS; NO DEPTHS PRESCRIBED FROM CORVALLIS TO HARRISBURG; YAMHILL RIVER, 4 FEET FROM MOUTH TO MILE 4.0.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971	4,697,626	579,966	5,277,592	1976	5,031,004	644,458	5,675,462
1972	4,409,268	274,367	4,683,635	1977	4,879,152	307,192	5,186,344
1973	4,223,011	188,284	4,411,295	1978	5,400,834	339,891	5,740,725
1974	4,853,230	1,132,764	5,985,994	1979	4,475,295	524,437	4,999,732
1975	4,448,336	551,071	4,999,407	1980*	5,082,568	404,274	5,486,842

* PASSENGERS--840.

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC INTERNAL			
		IMPORTS	EXPORTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL	5,486,842	533,462	1,701,818	1,163,635	791,482	1,299,245	
0911 FRESH FISH, EXCEPT SHELLFISH	202		202				
1411 LIMESTONE	92,219	92,219					
1442 SAND, GRAVEL, CRUSHED ROCK	3,894,012	435,526	1,013,727	764,583	724,563	955,613	
1451 CLAY	43,127		36,947			6,580	
2049 GRAIN MILL PRODUCTS, NEC	7,995		6,984			1,011	
2411 LOGS	2,115					1,157	958
2412 RAFTED LOGS	404,274		45,473	190,549	38,820	129,424	
2414 TIMBER, POSTS, POLES, PILING	400		400				
2416 WOOD CHIPS, STAVES, HOLDINGS	155,713			155,713			
2431 VENEER, PLYWOOD, WORKED WOOD	3,167		3,167				
2611 PULP	27,830					2,855	24,975
2631 PAPER AND PAPERBOARD	7,597			675	7	6,795	128
2691 PULP AND PAPER PRODUCTS, NEC	775,941		536,150	49,983	9,494	180,314	
2819 BASIC CHEMICALS AND PROD, NEC	489		339			150	
2915 RESIDUAL FUEL OIL	58,004		58,004				
3241 BUILDING CEMENT	5,717	5,717					
3319 IRON AND STEEL PRODUCTS, NEC	150		150				
3411 FABRICATED METAL PRODUCTS	300					300	
3511 MACHINERY, EXCEPT ELECTRICAL	200					100	100
4011 IRON AND STEEL SCRAP	780					780	
4012 NONFERROUS METAL SCRAP	10					10	
4029 WASTE AND SCRAP, NEC	6,600					6,600	
TOTAL TON-MILES	23,519,397						

COOS BAY, OREG.

SECTION INCLUDED: FROM SEA TO MILLINGTON, A DISTANCE OF 17 MILES (SAME SECTION AND STATISTICS APPLY TO PORT OF COOS BAY.) CONTROLLING DEPTH: 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
1971	3,665,864	3,081,843	6,747,507	1976	5,609,089	1,508,996	7,118,085
1972	4,758,080	1,785,695	6,543,775	1977	6,326,186	1,273,235	7,599,421
1973	5,773,331	1,957,377	7,730,708	1978	5,872,721	1,191,570	7,064,291
1974	6,499,029	1,133,806	7,632,831	1979	5,925,174	1,145,699	7,050,873
1975	4,917,396	1,498,731	6,376,127	1980	5,517,082	1,286,844	6,803,966

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		LOCAL
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	6,803,966	2,152	4,951,132	357,595	192,605	942,482	7,334	350,666
0133 COFFEE	379		379					
0911 FRESH FISH, EXCEPT SHELLFISH	6,499					6,499		
0912 SHELLFISH, EXCEPT PREPARED	7,099					7,099		
1442 SAND, GRAVEL, CRUSHED ROCK	213,206			213,206				
1451 CLAY	20		20					
2039 PREP FRUIT AND VEG JUICE, NEC	1		1					
2041 WHEAT FLOUR AND SEMOLINA	753		753					

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

COOS BAY, OREG.--CONTINUED
 FREIGHT TRAFFIC, 1980--CONTINUED
 (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2081 ALCOHOLIC BEVERAGES-----	52	52						
2411 LOGS-----	596,711		596,711					
2412 RAFTED LOGS-----	1,286,884					928,984	7,334	350,666
2413 FUEL WOOD, CHARCOAL, WASTES-----	4,974		4,974					
2414 TIMBER, POSTS, POLES, PILING-----	458		458					
2416 WOOD CHIPS, STAVES, HOLDINGS-----	3,863,472		3,863,472					
2421 LUMBER-----	551,218		371,074		180,144			
2431 VENEER, PLYWOOD, WORKED WOOD-----	83,542	58	83,484					
2491 WOOD MANUFACTURES, NEC-----	36	5	31					
2611 PULP-----	6,289		6,289					
2631 PAPER AND PAPERBOARD-----	23,850		23,850					
2810 SODIUM HYDROXIDE-----	3,776			3,776				
2871 NITROGENOUS CHEM FERTILIZERS-----	11,499				11,499			
2911 GASOLINE-----	66,777			66,777				
2914 DISTILLATE FUEL OIL-----	73,836			73,836				
3011 RUBBER AND MISC PLASTIC PROD-----	9	9						
3211 GLASS AND GLASS PRODUCTS-----	18	18						
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,211	1,211						
3317 IRON AND STEEL PIPE AND TUBE-----	365				365			
3319 IRON AND STEEL PRODUCTS, NEC-----	13	13						
3411 FABRICATED METAL PRODUCTS-----	3	3						
3511 MACHINERY, EXCEPT ELECTRICAL-----	104	20	2		82			
3611 ELECTRICAL MACH AND EQUIP-----	26		26					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	237	228	4		5			
3731 SHIPS AND BOATS-----	384		4		380			
3791 MISC TRANSPORTATION EQUIPMENT-----	19	19						
4112 COMMODITIES, NEC-----	246	116			130			
TOTAL TON-MILES,	89,726,251.							

COOS AND MILLICOMA RIVERS, OREG.

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

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	3,245,133	1976-----	1,674,377
1972-----	939,622	1977-----	1,829,933
1973-----	1,085,170	1978-----	2,312,221
1974-----	304,051	1979-----	1,413,070
1975-----	1,782,321	1980-----	1,530,746

FREIGHT TRAFFIC, 1980
 DOMESTIC
 (SHORT TONS)

COMMODITY	TOTAL	INTERNAL		
		INBOUND	OUTBOUND	DOWNSOUND
2412 RAFTED LOGS-----	1,530,746	7,334	928,984	594,528
TOTAL TON-MILES,	11,641,396.			

JMPQUA RIVER, OREG.

SECTION INCLUDED: ENTRANCE TO REEDSPORT, A DISTANCE OF ABOUT 12 MILES. (SAME SECTION AND STATISTICS APPLY TO PORT OF JMPQUA.) CONTROLLING DEPTH: 23 FEET ON THE BAR, 24 FEET FROM ENTRANCE TO MILE 3, 19 FEET MILE 3 TO 8, 18 FEET MILE 8 TO 12 AND 22 FEET IN TURNING BASIN. PROJECT DEPTH: ENTRANCE 26 FEET AND 22 FEET FROM MOUTH TO REEDSPORT WITH A TURNING BASIN AT REEDSPORT; A SIDE CHANNEL AND MOORING AND TURNING BASIN 12 FEET DEEP AT WINCHESTER BAY; A CHANNEL 22 FEET DEEP WITH TURNING BASIN AT GARDINER.

COMPARATIVE STATEMENT OF TRAFFIC
 (SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971-----	415,091	153,687	568,778	1976-----	381,896	16,615	398,511
1972-----	452,666	128,913	581,579	1977-----	647,721	68,439	717,560
1973-----	468,762	139,304	608,066	1978-----	588,341	19,269	605,410
1974-----	609,448	237,660	847,108	1979-----	820,595	219	820,814
1975-----	508,379	28,944	537,323	1980-----	969,044	48,562	1,017,606

PORTLAND, OREG., DISTRICT

UMPOVA RIVER, OREG.--CONTINUED

FREIGHT TRAFFIC, 1960

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		RECEIPTS	SHIPMENTS	INBOUND	DOWNBOUND
TOTAL-----	1,010,646	358,800	246,731	106,496	299,359
0911 FRESH FISH, EXCEPT SHELLFISH-----	621			621	
0912 SHELLFISH, EXCEPT PREPARED-----	946			946	
1442 SAND, GRAVEL, CRUSHED ROCK-----	918,950	340,118	213,208	64,267	299,359
2412 RAFTED LOGS-----	40,662			40,662	
2421 LUMBER-----	33,401		33,401		
2914 DISTILLATE FUEL OIL-----	17,942	17,942			
3911 MACHINERY, EXCEPT ELECTRICAL-----	124		124		
TOTAL TON-MILES, 8,932,183.					

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT				
ALSEA BAY AND RIVER, OREG.	NO COMMERCE REPORTED			
CHEYCO RIVER, OREG.	0911 FRESH FISH, EXCEPT SMELLFISH	1,514		
	0912 SMELLFISH, EXCEPT PREPARED	2,602		
	2421 LUMBER	79,964		
	TOTAL	84,080	84,080	
CHINOOK CHANNEL, WASH.	0911 FRESH FISH, EXCEPT SMELLFISH	629		
	0912 SMELLFISH, EXCEPT PREPARED	269		
	TOTAL	898	898	
CLATSKANIE RIVER, OREG.	1442 SAND, GRAVEL, CRUSHED ROCK	1,750		
	2412 RAFTED LOGS	10,933		
	TOTAL	12,683	49,588	
COLUMBIA RIVER AT BAKERS BAY, WASH.	0911 FRESH FISH, EXCEPT SMELLFISH	2,749		
	0912 SMELLFISH, EXCEPT PREPARED	443		
	TOTAL	3,192	15,960	
COLUMBIA SLOUGH, OREG.	NO COMMERCE REPORTED			
COQUILLE RIVER, OREG.	0911 FRESH FISH, EXCEPT SMELLFISH	64		
	2421 LUMBER	16,949		
	TOTAL	17,013	17,141	
CONLITZ RIVER, WASH.	0911 FRESH FISH, EXCEPT SMELLFISH	406		
	1442 SAND, GRAVEL, CRUSHED ROCK	72,877		
	2411 LOGS	12,918		
	2412 RAFTED LOGS	1,493		
	2911 GASOLINE	1,650		
	2914 DISTILLATE FUEL OIL	88		
	3511 MACHINERY, EXCEPT ELECTRICAL	500		
	TOTAL	89,932	274,441	
DEPOE BAY, OREG.	0911 FRESH FISH, EXCEPT SMELLFISH	68		
	0912 SMELLFISH, EXCEPT PREPARED	91		
	TOTAL	159	159	
ELOKOMIN SLOUGH, WASH.	2412 RAFTED LOGS	44,576	88,152	
GRAYS RIVER, WASH.	NO COMMERCE REPORTED			
LAKE RIVER, WASH.	0107 WHEAT	1,625		
	0141 FRESH AND FROZEN VEGETABLES	4,350		
	0911 FRESH FISH, EXCEPT SMELLFISH	101		
	2414 TIMBER, POSTS, PILES, PILING	1,500		
	2871 NITROGENOUS CHEM FERTILIZERS	490		
	3511 MACHINERY, EXCEPT ELECTRICAL	380		
	3711 MOTOR VEHICLES, PARTS, EQUIP	120		
	3791 MISC TRANSPORTATION EQUIPMENT	2,400		
	4112 COMMODITIES, NEC	85		
	TOTAL	11,051	12,652	40
LEWIS RIVER, WASH.	1442 SAND, GRAVEL, CRUSHED ROCK	3,024		
	2412 RAFTED LOGS	76,416		
	TOTAL	79,840	376,479	
PORT ORFORD, OREG.	0911 FRESH FISH, EXCEPT SMELLFISH	291		
	0912 SMELLFISH, EXCEPT PREPARED	859		
	TOTAL	1,150		
ROGUE RIVER, OREG.	0911 FRESH FISH, EXCEPT SMELLFISH	39		
	0912 SMELLFISH, EXCEPT PREPARED	35		
	4112 COMMODITIES, NEC	12		
	TOTAL	86	386	49,914
SIUSLAN RIVER, OREG.	0911 FRESH FISH, EXCEPT SMELLFISH	64		
	0912 SMELLFISH, EXCEPT PREPARED	30		
	2412 RAFTED LOGS	93,783		
	2421 LUMBER	10,918		
	TOTAL	104,797	504,076	
SKAMOKAWA CREEK, WASH.	NO COMMERCE REPORTED			
SKAMOKAWA (STEAMBOAT) SLOUGH, WASH.	1442 SAND, GRAVEL, CRUSHED ROCK	1,000		
	2412 RAFTED LOGS	11,156		
	TOTAL	12,156	12,156	
SMITH RIVER, OREG.	2412 RAFTED LOGS	79,291	851,869	
TILLAMOOK BAY AND HAR, OREG.	0911 FRESH FISH, EXCEPT SMELLFISH	475		
	0912 SMELLFISH, EXCEPT PREPARED	1,708		
	TOTAL	1,443	7,415	

PORTLAND, OREG., DISTRICT

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
WESTPORT SLOUGH, OREG.-----	2412 RAFTED LOGS-----	7,432	7,432	26,633
YAQUINA BAY AND HARBOR, OREG.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	12,240	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	6,075	-----	-----
	1411 LIMESTONE-----	62,161	-----	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	3,340	-----	-----
	2421 LUMBER-----	42,427	-----	-----
	3731 SHIPS AND BOATS-----	270	-----	-----
	TOTAL-----	126,913	356,199	-----
YAQUINA RIVER, OREG.-----	2412 RAFTED LOGS-----	65,728	-----	-----
	2421 LUMBER-----	42,427	-----	-----
	TOTAL-----	108,155	478,026	-----

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

SEATTLE, WASH., DISTRICT

GRAYS HARBOR AND CHEHALIS RIVER, WASH.

SECTION INCLUDED: GRAYS HARBOR BAR CHANNEL AND CHEHALIS RIVER TO COSMOPOLIS AND EXTENDING TO SIMPSON AVENUE BRIDGE ON THE HOQUIAM RIVER AND THE SCHAFER BROS. WHARF AT MONTESANO ON THE CHEHALIS RIVER. CONTROLLING DEPTH: BAR CHANNEL, 36 FEET; 27.6 FEET FROM DEEP WATER IN LOWER HARBOR TO UPPER CROSS-OVER; 27.5 FEET FROM UPPER CROSS-OVER TO COW POINT; 28.5 FEET FROM COW POINT TO COSMOPOLIS; TURNING BASIN JUST DOWNSTREAM OF U.P.R.R. BRIDGE, 26.9 FEET; TURNING BASIN NEAR COSMOPOLIS, 14.9 FEET, 8.9 FEET FROM COSMOPOLIS TO MONTESANO; BAY CITY CHANNEL, 10.2 FEET; WESTHAVEN CHANNEL, 19.0 FEET. PROJECT DEPTH: 30 FEET EXTENDING THROUGH THE BAR CHANNEL TO COSMOPOLIS; BAY 16 FEET TO MONTESANO; BAY CITY CHANNEL, 14 FEET; WESTHAVEN CHANNEL, 16 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC
(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971	2,242,885	510,435	2,753,320	1976	3,024,261	118,365	3,142,626
1972	3,222,975	562,929	3,785,907	1977	2,558,704	87,488	2,646,192
1973	3,086,832	756,218	3,843,070	1978	3,081,953	-----	3,081,953
1974	2,519,763	975,589	3,495,352	1979	5,005,916	124,827	5,130,743
1975	2,567,524	19,659	2,587,183	1980	3,240,061	8,899	3,248,960

* PASSENGERS--30,623.

FREIGHT TRAFFIC, 1980
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	
TOTAL	3,248,960	4,589	2,754,233	8,650	34,453	4,981	442,054
0911 FRESH FISH, EXCEPT SHELLFISH	4,036	-----	-----	-----	-----	4,036	-----
0912 SHELLFISH, EXCEPT PREPARED	1,695	750	-----	-----	-----	945	-----
1442 SAND, GRAVEL, CRUSHED ROCK	145,300	-----	-----	-----	2,800	-----	142,500
2015 ANIMAL BY-PRODUCTS, NEC	20	-----	20	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS	1	-----	-----	-----	-----	-----	-----
2311 APPAREL	11	11	-----	-----	-----	-----	-----
2411 LOGS	2,456,656	-----	2,456,656	-----	-----	-----	-----
2412 RAFTED LOGS	8,899	-----	-----	-----	-----	-----	8,899
2413 FUEL WOOD, CHARCOAL, WASTES	875	875	-----	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING	2,700	-----	2,700	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, HOLDINGS	185,773	-----	185,773	-----	-----	-----	-----
2421 LUMBER	120,421	1	96,767	-----	31,653	-----	-----
2611 PULP	12,264	-----	12,264	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC	2	-----	2	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL	2,850	-----	-----	2,850	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD	5,800	-----	-----	5,800	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC	4	-----	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS	63	63	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL	51	-----	51	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP	8	-----	8	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP	2,876	2,876	-----	-----	-----	-----	-----
4029 WASTE AND SCRAP, NEC	290,655	-----	-----	-----	-----	-----	290,655
TOTAL TON-MILES	29,486,649	-----	-----	-----	-----	-----	-----

NEAH BAY, WASH.

SECTION INCLUDED: THAT PORTION OF NEAH BAY INSIDE THE BREAKWATER. CONTROLLING DEPTH: 14 FEET AT MLLW; PROJECT DEPTH: NOT SPECIFIED.

COMPARATIVE STATEMENT OF TRAFFIC
(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971	4,568	297,195	301,763	1976	6,888	3,068	9,956
1972	4,899	296,390	301,289	1977	10,676	-----	10,606
1973	3,322	284,320	287,642	1978	5,762	1,076,286	1,081,648
1974	3,392	301,062	304,454	1979	23,847	451,550	475,397
1975	6,761	96,975	103,736	1980	55,101	296,731	351,832

FREIGHT TRAFFIC, 1980
DOMESTIC
(SHORT TONS)

COMMODITY	TOTAL	INTERNAL	
		RECEIPTS	SHIPMENTS
TOTAL	551,932	55,101	296,731
0911 FRESH FISH, EXCEPT SHELLFISH	226	226	-----
0912 SHELLFISH, EXCEPT PREPARED	21	21	-----
1442 SAND, GRAVEL, CRUSHED ROCK	51,166	51,166	-----
2412 RAFTED LOGS	296,731	-----	296,731
2911 GASOLINE	1,854	1,854	-----
2914 DISTILLATE FUEL OIL	1,434	1,434	-----

SEATTLE, WASH., DISTRICT

PORT ANGELES HARBOR, WASH.

SECTION INCLUDED: ENTIRE HARBOR FROM RAYONIER, INC. WHARF WESTWARD, CONTROLLING DEPTH; 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
1971	1,753,352	827,512	2,580,864	1976	3,050,214	191,254	3,241,468
1972	2,149,712	899,489	2,849,201	1977	2,854,789	428,223	3,283,012
1973	2,348,688	570,897	2,918,785	1978	4,028,194	838,891	4,867,085
1974	2,116,200	873,419	2,989,619	1979	3,969,021	1,079,249	5,048,270
1975	2,196,701	529,812	2,726,513	1980	3,572,160	705,537	4,277,697

FREIGHT TRAFFIC, 1980
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	4,277,697	786,583	1,433,213	293,258	4,699	830,051	683,564	246,329
0103 CORN	23,149		23,149					
0131 FRESH FRUITS AND TREE NUTS	8,098		8,098					
0132 BANANAS AND PLANTAINS	3,503		3,503					
0141 FRESH AND FROZEN VEGETABLES	7,064		7,064					
0191 MISCELLANEOUS FARM PRODUCTS	204		204					
0841 CRUDE RUBBER AND ALLIED GUMS	63	63						
0911 FRESH FISH, EXCEPT SHELLFISH	644		81			563		
0912 SHELLFISH, EXCEPT PREPARED	838	750	4			86		
1091 ALUMINUM ORES, CONCENTRATES	101,521	101,521						
1311 CRUDE PETROLEUM	665,491	102,988		276,185			286,338	
1411 LIMESTONE	21,232	10,816	10,816					
1442 SAND, GRAVEL, CRUSHED ROCK	5,779	5,779						
1491 CLAY	41		41					
1499 NONMETALLIC MINERALS, NEC	42		42					
2034 VEGETABLES AND PREP, NEC	154		154					
2039 PREP FRUIT AND VEG JUICE, NEC	1,218		1,218					
2042 PREPARED ANIMAL FEEDS	17		17					
2049 GRAIN MILL PRODUCTS, NEC	5		5					
2061 SUGAR	24		24					
2062 MOLASSES	187		187					
2081 ALCOHOLIC BEVERAGES	37		37					
2099 MISCELLANEOUS FOOD PRODUCTS	135		135					
2211 BASIC TEXTILE PRODUCTS	51	1	50					
2311 APPAREL	20							
2411 LOGS	1,370,715	22,373	1,348,342					
2412 RAFTED LOGS	705,537					355,666	105,192	244,679
2413 FUEL WOOD, CHARCOAL, WASTES	19,378	19,378						
2414 TIMBER, POSTS, POLES, PILING	46	46						
2416 WOOD CHIPS, STAVES, HOLDINGS	509,474	489,144	1,622			1,220	15,838	1,050
2421 LUMBER	15,329	1,852	8,117		4,459		901	
2431 VENEER, PLYWOOD, WORKED WOOD	623	520	103					
2491 WOOD MANUFACTURES, NEC	4,604	4,604						
2511 FURNITURE AND FIXTURES	49	24	25					
2611 PULP	105,151	25,940	17,489			1,842	139,880	
2621 STANDARD NEWSPRINT PAPER	36,980					90	36,890	
2631 PAPER AND PAPERBOARD	98,698					564	98,134	
2810 SODIUM HYDROXIDE	42,058					42,058		
2819 BASIC CHEMICALS AND PROD, NEC	3,506		3,484				22	
2821 PLASTIC MATERIALS	85		85					
2831 DRUGS	7		7					
2841 SOAP	40		40					
2891 PAINTS	10		10					
2891 MISCELLANEOUS CHEMICAL PROD	13,951		1			13,950		
2911 GASOLINE	29,982		151			29,831		
2914 DISTILLATE FUEL OIL	49,375					49,367	8	
2915 RESIDUAL FUEL OIL	350,517			17,093		333,424		
2916 LUBRICATING OILS AND GREASES	90					90		
3011 RUBBER AND MISC PLASTIC PROD	9		9					
3111 LEATHER AND LEATHER PRODUCTS	103	2	101					
3211 GLASS AND GLASS PRODUCTS	217		217					
3291 STRUCTURAL CLAY PRODUCTS	2		2					
3316 IRON AND STEEL PLATES, SHEETS	3		3					
3321 NONFERROUS METALS, NEC	240				240			
3411 FABRICATED METAL PRODUCTS	483	76	397			2	8	
3511 MACHINERY, EXCEPT ELECTRICAL	1,339	1	38			1,300		
3611 ELECTRICAL MACH AND EQUIP	238	227	11					
3711 MOTOR VEHICLES, PARTS, EQUIP	671	620	51					
3731 SHIPS AND BOATS	1		1					
3791 MISC TRANSPORTATION EQUIPMENT	39		39					
3811 INSTR, TIME, PHOTO, OPT GOODS	24	24						
3911 MISC MANUFACTURED PRODUCTS	27	11	16					
4024 PAPER WASTE AND SCRAP	567		214				353	
4112 COMMODITIES, NEC	4	3	1					
9999 DEPARTMENT OF DEFENSE AND SCI	8		8					

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

PORT TOWNSEND HARBOUR, WASH.

SECTION INCLUDED: POINT WILSON ON THE NORTH TO IRONDALE ON THE SOUTH, CONTROLLING DEPTH: CHANNEL FROM DEEP WATER TO BOAT BASIN, 8.9 FEET; OUTER PORTION OF ENTRANCE CHANNEL IN BOAT BASIN, 11.9 FEET; INNER PORTION OF ENTRANCE CHANNEL IN BOAT BASIN, 11.3 FEET, PROJECT DEPTH: 10 AND 12 FEET MLLW 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
1971	1,124,478	7,811	1,132,289	144,772	1976	1,223,594		1,223,594	163,994
1972	1,397,622	1,470	1,399,092	172,126	1977	1,262,736		1,262,736	180,530
1973	1,335,122	11,911	1,347,033	160,084	1978	680,737		680,737	200,734
1974	1,309,189	29,202	1,338,391	95,323	1979	534,061		534,061	739,362
1975	1,089,728	17,164	1,106,892	137,957	1980	701,267		701,267	455,456

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
1971	31,402			*	64,558	144,772	1976	**			*	118,250	163,994
1972	29,943			*	72,467	172,126	1977	**			*	132,986	180,530
1973	13,275			*	66,242	93,842	1978	**			*	150,666	200,734
1974	**			*	65,912	95,989	1979	**			*	555,443	739,362
1975	**			*	97,720	137,957	1980	**			*	200,784	254,672

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

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	RECEIPTS	
TOTAL	701,267	256,343	30,345	20,617	277,285	116,477
0131 FRESH FRUITS AND TREE NUTS	461		461			
0141 FRESH AND FROZEN VEGETABLES	79		79			
0861 FOREST PRODUCTS, NEC	3		3			
0911 FRESH FISH, EXCEPT SHELLFISH	314		51		263	
0912 SHELLFISH, EXCEPT PREPARED	189		20		169	
1442 SAND, GRAVEL, CRUSHED ROCK	305				305	
1491 SALT	941				941	
1492 SULPHUR, DRY	4,026				3,780	246
2034 VEGETABLES AND PREP, NEC	10		10			
2039 PREP FRUIT AND VEG JUICE, NEC	20		20			
2041 WHEAT FLOUR AND SEMOLINA	70				70	
2042 PREPARED ANIMAL FEEDS	46		46			
2049 GRAIN MILL PRODUCTS, NEC	121				121	
2081 ALCOHOLIC BEVERAGES	66		3		63	
2099 MISCELLANEOUS FOOD PRODUCTS	49		49			
2311 APPAREL	2		2			
2411 LOGS	329		329			
2413 FUEL WOOD, CHARCOAL, WASTES	50,109	37,045			12,106	958
2414 TIMBER, POSTS, POLES, PILING	1,276					1,276
2416 WOOD CHIPS, STAVES, MOLDINGS	396,272	214,969	67		181,236	
2421 LUMBER	17,478	424	438			16,616
2431 VENEER, PLYWOOD, WORKED WOOD	17,063				3,794	13,269
2491 WOOD MANUFACTURES, NEC	10,420	2,570	188		31	7,631
2511 FURNITURE AND FIXTURES	128				128	
2611 PULP	28,703		10,611		54	18,038
2621 STANDARD NEWSPRINT PAPER	121					121
2631 PAPER AND PAPERBOARD	59,307		8,606		5	50,696
2691 PULP AND PAPER PRODUCTS, NEC	6,611					6,611
2819 BASIC CHEMICALS AND PROD, NEC	3,549		26		3,523	
2821 PLASTIC MATERIALS	800		800			
2861 GUM AND WOOD CHEMICALS	44,135				44,135	
2891 MISCELLANEOUS CHEMICAL PROD	246		182		64	
2911 GASOLINE	6,797				6,797	
2914 DISTILLATE FUEL OIL	6,610				6,610	
2915 RESIDUAL FUEL OIL	32,095			20,617	11,278	
2921 LIQUEFIED GASES	1,123				1,123	
3011 RUBBER AND MISC PLASTIC PROD	1	1				
3211 GLASS AND GLASS PRODUCTS	8				8	
3241 BUILDING CEMENT	894		894			
3291 MISC NONMETALLIC MINERAL PROD	35				35	
3317 IRON AND STEEL PIPE AND TUBE	42	54	8			
3319 IRON AND STEEL PRODUCTS, NEC	40				40	
3323 LEAD AND ZINC, UNWORKED	237		207			
3411 FABRICATED METAL PRODUCTS	847				269	578
3511 MACHINERY, EXCEPT ELECTRICAL	31	8	23			
3611 ELECTRICAL MACH AND EQUIP	129		3		126	
3711 MOTOR VEHICLES, PARTS, EQUIP	51		51			
3731 SHIPS AND BOATS	3		3			
3811 INSTR, TIME, PHOTO, OPT GOODS	1		1			
3911 MISC MANUFACTURED PRODUCTS	2	1	1			
4011 IRON AND STEEL SCRAP	918	896	22			
4012 NONFERROUS METAL SCRAP	14		14			
4024 PAPER WASTE AND SCRAP	586				140	437
4029 WASTE AND SCRAP, NEC	62				62	
4112 COMMODITIES, NEC	7,572	44	7,458			

SEATTLE, WASH., DISTRICT

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
1971	233,513	142,528	376,041	1976	432,122	168,831	540,953
1972	422,691	437,916	860,607	1977	416,618	182,402	601,812
1973	388,477	183,849	572,326	1978	293,558	288,968	582,526
1974	329,548	166,319	495,867	1979	190,235	221,292	411,527
1975	339,041	143,658	482,699	1980	363,884	251,360	615,244

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL	
		SHIPMENTS	RECEIPTS
TOTAL	619,844	53,397	213,309
2412 RAFTED LOGS	251,360		39,109
2413 FUEL WOOD, CHARCOAL, WASTES	19,902		18,944
2416 WOOD CHIPS, STAVES, MOLDINGS	279,410		279,410
2421 LUMBER	64,472	53,397	11,075
3321 NONFERROUS METALS, NEC	108		100

HAMMERSLEY INLET, WASH.

SECTION INCLUDED: INLET CONNECTING PUGET SOUND WITH SMELTON HARBOR, A DISTANCE OF ABOUT 7 MILES. CONTROLLING DEPTH: 8.4 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
1971	241,400	888,801	1,130,201	1976	335,494	97,951	433,445
1972	278,365	840,899	1,119,264	1977	338,478	735,303	1,073,781
1973	277,255	790,675	1,067,930	1978	302,539	902,998	1,205,535
1974	336,389	770,083	1,106,472	1979	149,242	886,802	1,036,044
1975	317,730	797,928	1,115,658	1980	211,833	935,969	1,147,198

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	
TOTAL	1,147,198	15,071	521,464	610,663
0911 FRESH FISH, EXCEPT SHELLFISH	4		4	
0912 SHELLFISH, EXCEPT PREPARED	204		204	
2412 RAFTED LOGS	935,565	10,564	314,338	610,663
2416 WOOD CHIPS, STAVES, MOLDINGS	183,892	2,724	181,168	
2421 LUMBER	24,828		24,828	
2431 VENEER, PLYWOOD, WORKED WOOD	1,930		1,930	
2911 GASOLINE	997		997	
2914 DISTILLATE FUEL OIL	578		578	

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: 29.4 FEET IN OUTER CHANNEL, 25.4 FEET IN ENTRANCE CHANNEL AND 29.4 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
1971	714,128	376,482	1,090,610	1976	119,400	88,759	200,155
1972	895,849	1,131,334	2,027,183	1977	448,594	89,844	538,438
1973	545,941	443,808	989,749	1978	968,001	303,489	1,271,490
1974	383,499	452,636	836,135	1979	607,642	186,188	793,830
1975	320,201	138,848	459,049	1980	589,897	131,312	721,209

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

OLYMPIA HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL		
				RECEIPTS	SHIPMENTS	
TOTAL-----	720,999	28,227	446,905	193,034	51,505	1,328
0911 FRESH FISH, EXCEPT SHELLFISH-----	163			163		
0912 SHELLFISH, EXCEPT PREPARED-----	53			53		
2211 BASIC TEXTILE PRODUCTS-----	1	1				
2411 LOGS-----	455,931	9,650	446,281			
2412 RAFTED LOGS-----	131,312			91,262	38,722	1,328
2421 LUMBER-----	10,402		824		9,778	
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,073				1,073	
2911 GASOLINE-----	60,078			59,068	1,010	
2914 DISTILLATE FUEL OIL-----	27,372			26,450	922	
2915 RESIDUAL FUEL OIL-----	16,038			16,038		
2920 COKE, PETROLEUM COKE-----	12,112	12,112				
3291 MISC NONMETALLIC MINERAL PROD-----	4	4				
3318 FERROALLOYS-----	6,455	6,455				
3411 FABRICATED METAL PRODUCTS-----	3	3				
3911 MISC MANUFACTURED PRODUCTS-----	2	2				

TACOMA HARBOR, WASH.

SECTION INCLUDED: ALL OF COMMENCEMENT BAY AND TRIBUTARY WATERWAYS EAST OF A LINE EXTENDING FROM BROWN POINT TO AND INCLUDING THE WHARVES OF THE TACOMA SMELTER, CONTROLLING DEPTH: CITY WATERWAY, 27.4 TO 17.6 FEET; MYLEBOS WATERWAY, 30.3 FEET; LEAST DEPTH IN TURNING BASIN 30.0 FEET; BLAIR (PORT INDUSTRIAL WATERWAY), 31.0 FEET. PROJECT DEPTH: CITY WATERWAY, 29 TO 19 FEET; MYLEBOS WATERWAY, 30 FEET; BLAIR (PORT INDUSTRIAL WATERWAY), 30 TO 35 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1971-----	6,080,641	1,029,219	7,109,860	156,024	1976-----	10,041,375	186,089	10,227,464	194,536
1972-----	7,598,419	578,899	8,177,318	162,278	1977-----	10,381,837	318,300	10,699,337	191,759
1973-----	8,844,187	960,565	9,804,752	163,064	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	911,619	15,192,550	184,909
1975-----	7,240,867	656,832	7,897,699	180,424	1980-----	15,879,548	1,282,662	17,162,210	376,432

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
1971-----	12,316			**	119,568	154,024	1976-----	#			**	162,664	194,536
1972-----	14,230			**	131,018	161,278	1977-----	#			**	177,944	191,759
1973-----	6,650			**	143,216	163,064	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

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

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	17,162,210	2,493,607	9,433,347	643,715	739,400	2,115,860	688,402	1,087,879
0132 BARLEY AND RYE-----	3,487				3,487			
0103 CORN-----	5,081,644		5,054,641		27,003			
0104 OATS-----	761,753		761,753					
0107 WHEAT-----	28,109		3,318		24,791			
0121 TOBACCO, LEAF-----	21		21					
0122 HAY AND FODDER-----	19				19			
0129 FIELD CROPS, NEC-----	1,331		326		1,005			
0131 FRESH FRUITS AND TREE NUTS-----	20,992		982		7,104			
0133 COFFEE-----	5,839		5,839					
0134 COCOA BEANS-----	146		146					
0141 FRESH AND FROZEN VEGETABLES-----	53,781		53		50,236		3,472	
0151 LIVE ANIMALS-----	84		84					
0161 ANIMALS AND PRODUCTS, NEC-----	546		89		11		446	
0191 MISCELLANEOUS FARM PRODUCTS-----	26		26					
0841 CRUDE RUBBER AND ALLIED GUMS-----	130,648	130,648						
0861 FOREST PRODUCTS, NEC-----	218		79		19		100	
0911 FRESH FISH, EXCEPT SHELLFISH-----	6,212		68		196		269	
0912 SHELLFISH, EXCEPT PREPARED-----	1,572		976		218		80	
1021 COPPER ORE AND CONCENTRATES-----	44,878		44,878					
1091 ALUMINUM ORES, CONCENTRATES-----	627,840		627,840					
1091 NONFERROUS ORES, CONCENT, NEC-----	97,058		84,089					12,736
1311 CRUDE PETROLEUM-----	1,299,478	160,204		505,070		194,428	1,444	198,332

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

TACOMA HARBOR, WASH.--CONTINUED
 FREIGHT TRAFFIC, 1980--CONTINUED
 (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL		
				RECEIPTS	SHIPMENTS	
4012 NONFERROUS METAL SCRAP-----	30,928	22,901	1,799	162		6,066
4022 TEXTILE WASTE, SCRAP, SWEEP-----	17		17			
4024 PAPER WASTE AND SCRAP-----	1,929		1,929			
4029 WASTE AND SCRAP, NEC-----	15,000					15,000
4111 WATER-----	26				26	
4112 COMMODITIES, NEC-----	135,832	697	4,548	14,277	116,098	212
4119 EMPTY CONTAINERS-----	4,086			414	472	3,200
9999 DEPARTMENT OF DEFENSE AND SCI-----	113		113			

SEATTLE HARBOR, WASH.

SECTION INCLUDED: FROM UNION OIL DOCK NEAR EDMONDS ON THE NORTH TO FAUNTLEROY FERRY SLIP ON THE SOUTH, INCLUDING ELLIOTT BAY, EAST, WEST, AND DUNAMISH WATERWAY, LAKE WASHINGTON SHIP CANAL, SALMON BAY, LAKE UNION, AND LAKE WASHINGTON. CONTROLLING DEPTH: ELLIOTT BAY, UNLIMITED; WEST WATERWAY, 34.0 FEET; EAST WATERWAY, 34.0 FEET; DUNAMISH WATERWAY, 18.4 FEET FROM HEAD OF WEST WATERWAY TO 1ST AVENUE SO., 14 FEET FROM 1ST AVENUE SO. TO 14TH AVENUE SO., 15.0 FEET FROM 14TH AVENUE SO. TO HEAD OF WATERWAY; LAKE WASHINGTON SHIP CANAL, 27.8 FEET BELOW LOCKS; ABOVE THE LOCKS, 24.6 FEET. PROJECT DEPTH: ELLIOTT BAY, UNLIMITED; EAST AND WEST WATERWAYS, 34 FEET; DUNAMISH WATERWAY, 30 FEET TO FIRST AVENUE SOUTH; 20 FEET TO 8TH AVENUE SOUTH; AND 15 FEET FROM 8TH AVENUE SOUTH TO HEAD OF WATERWAY; LAKE WASHINGTON SHIP CANAL, 34 FEET BELOW LOCKS; 30 FEET AT LOWER POOL LEVEL. ALL DEPTHS REFER TO MLLW EXCEPT INSIDE LAKE WASHINGTON SHIP CANAL WHICH REFLECTS LOW LAKE LEVEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1971-----	14,134,151	423,814	14,557,965	4,090,901	1976-----	16,319,829	458,001	16,777,800	5,648,639
1972-----	14,163,871	498,940	14,662,811	3,971,227	1977-----	16,080,656	352,220	16,432,876	6,051,503
1973-----	16,335,378	664,800	17,000,178	4,506,220	1978-----	22,137,870	343,795	22,481,665	6,540,219
1974-----	15,882,986	369,003	16,251,989	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	182,428	21,288,838	10,659,658

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
1971-----	227,138				2,248,069	4,090,901	1976-----	**				3,024,735	5,648,639
1972-----	152,230				2,382,823	3,971,227	1977-----	**				3,379,812	6,051,503
1973-----	102,948				2,708,887	4,506,220	1978-----	**				3,704,037	6,540,219
1974-----	**				2,892,276	5,119,717	1979-----	**				4,566,263	6,290,453
1975-----	**				2,811,642	5,102,751	1980-----	**				3,771,474	6,899,602

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

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL		
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS			
TOTAL-----	21,288,838	4,520,992	5,081,077	2,221,486	1,721,138	5,291,754	1,603,462	848,929
0101 COTTON, RAW-----	15,562		15,562					
0102 BARLEY AND RYE-----	532		532					
0103 CORN-----	2,266,239		2,266,041		198			
0104 OATS-----	208,552		208,552					
0105 RICE-----	220	192			23			
0107 WHEAT-----	138,502		138,502					
0111 SOYBEANS-----	9,729		129					
0112 FLAXSEED-----	43				43			
0119 OILSEEDS, NEC-----	1,399		95		1,304			
0121 TOBACCO, LEAF-----	9,538		9,538					
0122 HAY AND FODDER-----	220				220			
0129 FIELD CROPS, NEC-----	9,708		394		9,314			
C131 FRESH FRUITS AND TREE NUTS-----	172,864	10,087	158,851		192	3,754		
0133 COFFEE-----	1,581	1,553			19			
0134 COCOA BEANS-----	6		6					
0141 FRESH AND FROZEN VEGETABLES-----	43,305	2,161	66,058		2	15,084		
0151 LIVE ANIMALS-----	45		85					
0161 ANIMALS AND PRODUCTS, NEC-----	7,337	2,481	4,370		461	55		
0191 MISCELLANEOUS FARM PRODUCTS-----	1,311	647	157		507			
0841 CRUDE RUBBER AND ALLIED GUMS-----	583		583					
0861 FOREST PRODUCTS, NEC-----	3,403	1,772	1,142			489		
0911 FRESH FISH, EXCEPT SHELLFISH-----	63,401	1,248	45,151		6,128	1,345		17
0912 SHELLFISH, EXCEPT PREPARED-----	8,782	1,213	5,470		239	1,086		74
1011 IRON ORE AND CONCENTRATES-----	65					65		
1021 COPPER ORE AND CONCENTRATES-----	964		946		18			
1051 ALUMINUM ORES, CONCENTRATES-----	17,830	17,599	271					
1091 NONFERROUS ORES, CONCENT, NEC-----	19,772	15,655	3,541		326			
1121 COAL AND LIGNITE-----	20,913		8,7		442	19,658		

SEATTLE, WASH., DISTRICT

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

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS		
2921 LIQUEFIED GASES-----	257					257	
2951 ASPHALT BUILDING MATERIALS-----	340					340	
2991 PETROLEUM AND COAL PROD. NEC-----	384			8		376	
3011 RUBBER AND MISC PLASTIC PROD-----	268	243				25	
3211 GLASS AND GLASS PRODUCTS-----	1	1					
3241 BUILDING CEMENT-----	746					746	
3251 STRUCTURAL CLAY PRODUCTS-----	24			4		20	
3271 LIME-----	19					19	
3291 MISC NONMETALLIC MINERAL PROD-----	4,997	18				4,979	
3315 IRON, STEEL SHAPES, EXC SHEET-----	572					572	
3317 IRON AND STEEL PIPE AND TUBE-----	1,886	19		938		929	
3321 NONFERROUS METALS, NEC-----	1					1	
3322 COPPER ALLOYS, UNWORKED-----	50					50	
3411 FABRICATED METAL PRODUCTS-----	9,977	2,098		638		7,881	
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,673	47		555		1,071	
3611 ELECTRICAL MACH AND EQUIP-----	198	98		2		98	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,572	19		117		1,436	
3731 SHIPS AND BOATS-----	2,566			151		2,415	
3791 MISC TRANSPORTATION EQUIPMENT-----	603			1		602	
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3	3					
3911 MISC MANUFACTURED PRODUCTS-----	280	43				237	
4011 IRON AND STEEL SCRAP-----	4			4			
4029 WASTE AND SCRAP, NEC-----	97,927						97,927
4112 COMMODITIES, NEC-----	25,547	14		2,603		22,930	
4119 EMPTY CONTAINERS-----	881			727		74	

EVERETT HARBOR AND SNOHOMISH RIVER, WASH.

SECTION INCLUDED: PORT GARDNER BAY FROM THE MEYERHAEUSER COMPANY THERMO-MECHANICAL MILL, ON THE SOUTH TO PRESTON POINT ON THE NORTH AND INCLUDING THE SNOHOMISH RIVER AND TRIBUTARY WATERS. CONTROLLING DEPTH: EAST WATERWAY, 33.3 FEET; 11.5 FEET IN PORT GARDNER BAY TO THE SETTLING BASIN; 9.7 FEET IN THE SETTLING BASIN; 6.9 FEET FROM THE SETTLING BASIN TO BURLINGTON NORTHERN RAILROAD; 6.6 FEET FROM BURLINGTON NORTHERN RAILROAD TO HEAD OF WATERWAY AT STEAMBOAT SLOUGH. PROJECT DEPTH: EAST WATERWAY, 30 FEET; DEEP WATER IN PORT GARDNER BAY TO SETTLING BASIN, 15 FEET; SETTLING BASIN, 20 FEET; FROM THE SETTLING BASIN TO THE GAP, 8 FEET; FROM THE GAP TO THE UPSTREAM SETTLING BASIN, 8 FEET; 40 FEET IN UPSTREAM SETTLING BASIN; 8 FEET TO HEAD OF WATERWAY. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971-----	2,304,772	2,462,607	4,767,379	1976-----	2,847,554	1,295,463	4,143,017
1972-----	2,666,286	2,552,700	5,218,986	1977-----	2,687,127	1,901,875	4,589,002
1973-----	2,650,138	2,249,792	4,919,930	1978-----	2,824,487	3,239,228	6,063,715
1974-----	2,515,616	1,835,540	4,321,156	1979-----	2,466,941	2,331,705	4,798,646
1975-----	2,536,775	1,829,948	4,366,723	1980*-----	2,342,826	2,816,281	4,359,107

* PASSENGERS--7,166.

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				SHIPMENTS	RECEIPTS		
TOTAL-----	4,359,107	538,774	1,457,601	10,330	1,055,177	475,984	871,241
0121 TOBACCO, LEAF-----	58	58					
0141 FRESH AND FROZEN VEGETABLES-----	498		498				
3101 ANIMALS AND PRODUCTS, NEC-----	3		3				
0911 FRESH FISH, EXCEPT SHELLFISH-----	660		100		560		
0912 SHELLFISH, EXCEPT PREPARED-----	93				93		
1051 ALUMINUM ORES, CONCENTRATES-----	327,099	327,099					
1442 SAND, GRAVEL, CRUSHED ROCK-----	19,449	2,876			16,573		
2021 DAIRY PRODUCTS, NEC-----	18	18					
2031 FISH AND SHELLFISH, PREPARED-----	4		4				
2034 VEGETABLES AND FRUIT, NEC-----	4	4					
2049 GRAIN, MILL PRODUCTS, NEC-----	3	3					
2981 ALCOHOLIC BEVERAGES-----	103	103					
2099 MISC LIQUID FOOD PRODUCTS-----	3	3					
2211 BASIC TEXTILE PRODUCTS-----	11	9	2				
2311 APPAREL-----	4	4					
2411 LOGS-----	1,355,004	45,527	1,359,477				
2412 RAFTED LOGS-----	2,816,281				740,142	414,898	861,241
2413 FUEL WOOD, CHARCOAL, WASTES-----	7,773		97		7,676		
2414 TIMBER, POSTS, POLES, PILING-----	586		386		200		
2416 WOOD SHIPS, STAVES, HOLDINGS-----	738,600	99,182			127,608	10,390	
2421 LUMBER-----	65,779	45,842	14,797	4,140			
2431 VENEER, PLYWOOD, WORKED WOOD-----	341		341				
2491 WOOD MANUFACTURES, NEC-----	2,527	1,920	157				
2511 FURNITURE AND FIXTURES-----	23	23					
2611 PAPER AND PAPERBOARD-----	135,980	5,283	130,697				
2631 PAINTS AND PAINTS-----	1		1				
2711 PAINTED WATERS-----	1		1				
2810 SODIUM HYDROXIDE-----	6,733		3		6,733		

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

EVERETT HARBOR AND SNOWHISH RIVER, WASH.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				SHIPMENTS	RECEIPTS		
2819 BASIC CHEMICALS AND PROD., NEC-----	141		141				
2821 PLASTIC MATERIALS-----	5	4	1				
2823 SYNTHETIC (MAN-MADE) FIBERS-----	18		18				
2891 PAINTS-----	41	40	1				
2891 MISCELLANEOUS CHEMICAL PROD-----	11,370		1		11,370		
2914 DISTILLATE FUEL OIL-----	10,130				10,130		
2915 RESIDUAL FUEL OIL-----	123,066				122,365	731	
3011 RUBBER AND MISC PLASTIC PROD-----	7		7				
3211 GLASS AND GLASS PRODUCTS-----	30	30					
3291 MISC NONMETALLIC MINERAL PROD-----	1,301		1		1,300		
3315 IRON, STEEL SHAPES, EXC SHEET-----	43	43					
3317 IRON AND STEEL PIPE AND TUBE-----	13,293	8,130		5,163			
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1		1				
3411 FABRICATED METAL PRODUCTS-----	11	10					
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,687	15	14	1,008	650		
3611 ELECTRICAL MACH AND EQUIP-----	25	24	1				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	2,403	2,363	1	19			
3731 SHIPS AND BOATS-----	9						
3811 INSTR, TIME, PHOTO, OPT GOODS-----	4	4					
3911 MISC MANUFACTURED PRODUCTS-----	29	28	1				
4029 WASTE AND SCRAP, NEC-----	20,227				10,227		10,000
4112 COMMODITIES, NEC-----	135				130	5	

SNOWHISH CHANNEL, WASH.

SECTION INCLUDED: ENTIRE CHANNEL. CONTROLLING DEPTH: 10.0 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
1971-----	21,086	156,078	177,164	1976-----	64,310	717,782	782,092
1972-----	7,311	877,172	884,483	1977-----	2,660	1,035,791	1,038,451
1973-----	58,250	960,034	1,018,284	1978-----	1,925	890,097	892,022
1974-----	7,775	616,697	624,472	1979-----	4,403	1,053,457	1,057,860
1975-----	20,771	326,656	347,427	1980-----	17,459	636,112	653,571

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL		
		SHIPMENTS	INBOUND	OUTBOUND	NORTHBOUND	SOUTHBOUND
TOTAL-----	653,571	808	92,141	269,461	1,661	289,500
0911 FRESH FISH, EXCEPT SHELLFISH-----	954		954			
0912 SHELLFISH, EXCEPT PREPARED-----	119		119			
2412 RAFTED LOGS-----	636,112		77,875	267,128	1,661	289,450
2611 PULP-----	16,336	808	13,193	2,335		
4112 COMMODITIES, NEC-----	50					50
TOTAL TON-MILES, 2,126,372.						

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 GUERRE CHANNEL, 33 FEET; CAPSANTO WATERWAY, OUTER WATERWAY 7.4 FEET, INNER WATERWAY 11 FEET; ANACORTES NAVIGATION CHANNEL, 16.7 FEET. PROJECT DEPTH: NO 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
1971-----	3,520,853	333,185	3,854,038	602,828	1976-----	7,245,868	250,781	7,496,649	654,734
1972-----	3,131,124	214,889	3,346,013	605,155	1977-----	8,821,585	144,724	8,966,309	695,552
1973-----	2,749,726	146,221	2,895,947	614,026	1978-----	9,787,419	177,343	9,964,762	742,964
1974-----	3,792,185	179,440	3,971,625	717,199	1979-----	9,424,091	170,974	9,595,065	864,318
1975-----	4,650,542	200,997	4,851,539	764,243	1980-----	9,441,642	171,172	9,612,814	1,124,144

SEATTLE, WASH., DISTRICT

ANACORTES HARBOR, WASH.--CONTINUED

ADDITIONAL TRAFFIC

YEAR	GENERAL FERRY								
	FOREIGN			DOMESTIC			TOTAL		
	TONS	VEHICLES	PASSENGERS	TONS	VEHICLES	PASSENGERS	TONS	VEHICLES	PASSENGERS
1971	8,865	47,378	165,604	37,250	241,696	437,224	46,110	289,072	602,828
1972	9,290	41,384	135,117	39,134	169,928	470,038	48,424	305,645	605,155
1973	3,789	55,187	177,454	18,495	280,637	436,572	22,284	315,824	614,026
1974	•	53,281	174,484	•	319,612	542,735	•	348,873	717,199
1975	•	58,908	195,312	•	333,433	568,931	•	392,341	764,243
1976	•	56,010	142,004	•	322,899	512,734	•	378,909	654,738
1977	•	55,218	141,124	•	362,967	554,426	•	418,185	695,552
1978	•	48,492	131,014	•	398,974	611,954	•	445,466	742,968
1979	•	44,128	126,671	•	452,699	737,647	•	496,827	864,318
1980	•	36,388	100,346	•	377,194	652,602	•	413,980	753,148

• NOT REPORTED.

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INVERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	9,165,812	5,154,862	117,075	632,731	1,294,613	302,516	1,585,471	78,544
0141 FRESH AND FROZEN VEGETABLES	10		10					
0151 LIVE ANIMALS	40						40	
0161 ANIMALS AND PRODUCTS, NEC	40						40	
0911 FRESH FISH, EXCEPT SHELLFISH	410					410		
0912 SHELLFISH, EXCEPT PREPARED	43					43		
1311 CRUDE PETROLEUM	5,733,551	5,119,569		321,963	109,385	105,712		76,922
1411 LIMESTONE	10,000	10,000						
1421 SAND, GRAVEL, CRUSHED ROCK	1,243					947	300	
2041 WHEAT FLOUR AND SEMOLINA	2,729		2,729					
2042 PREPARED ANIMAL FEEDS	2	2						
2049 GRAIN MILL PRODUCTS, NEC	889		889					
2211 BASIC TEXTILE PRODUCTS	1	1						
2311 APPAREL	6	6						
2411 LOGS	121,969	24,554	97,415					
2412 RAFTED LOGS	122,170					66,624	55,193	353
2421 LUMBER	1,440		40				1,400	
2491 WOOD MANUFACTURES, NEC	89	89						
2511 FURNITURE AND FIXTURES	280						280	
2611 PULP	660						660	
2819 BASIC CHEMICALS AND PROD, NEC	3,797				3,797			
2911 GASOLINE	910,750			96,542	486,217	1,446	356,545	
2912 JET FUEL	171,459				169,963	7,094	14,402	
2914 DISTILLATE FUEL OIL	515,422	416		20,389	67,041	4,526	423,050	
2915 RESIDUAL FUEL OIL	1,110,114		15,992	185,593	494,798	111,503	301,036	1,192
2916 LUBRICATING OILS AND GREASES	1,072				782	115	98	77
2917 NAPHTHA, PETROLEUM SOLVENTS	20,874			8,244	12,630			
2921 LIQUEFIED GASES	120						120	
2991 PETROLEUM AND COAL PROD, NEC	497						497	
3011 RUBBER AND MISC PLASTIC PROD	6		6					
3241 BUILDING CEMENT	189						180	
3291 MISC NONMETALLIC MINERAL PROD	4,076		16			4,000	60	
3715 IRON, STEEL SHAPES, EXC SHEET	36		36					
3317 IRON AND STEEL PIPE AND TUBE	600						600	
3411 FABRICATED METAL PRODUCTS	103		3			100		
3511 MACHINERY, EXCEPT ELECTRICAL	1,260						1,260	
3611 ELECTRICAL MACH AND EQUIP	27		27					
3711 MOTOR VEHICLES, PARTS, EQUIP	1,360						1,360	
3911 MISC MANUFACTURED PRODUCTS	134		134					
4029 WASTE AND SCRAP, NEC	428,350						428,350	
4112 COMMODITIES, NEC	3		3					

BELLINGHAM BAY AND HARBOR, WASH.

SECTION INCLUDED: BELLINGHAM BAY AND CHUCKANUT BAY FROM THE WHARF OF THE OLYMPIC PORTLAND CEMENT COMPANY ON THE NORTH TO AND INCLUDING CHUCKANUT INTERISLAND FERRY SLIP ON THE SOUTH. CONTROLLING DEPTH: WHATCOM CREEK WATERWAY, 16.0 TO 29.3 FEET; SQUALICUM CREEK WATERWAY, 26.0 FEET, FROM DEEP WATER TO TURNING BASIN, 26.0 FEET IN TURNING BASIN, 26.0 FEET FROM STA. 16 + 00 TO 5 + 40; I & J ST. WATERWAY, 11.5 FT. PROJECT DEPTH: WHATCOM CREEK WATERWAY, 18 TO 30 FEET; SQUALICUM CREEK WATERWAY, 26 FEET OVER THE ENTIRE WATERWAY. I & J STREET WATERWAY 18 FEET OVER THE ENTIRE WATERWAY. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971	1,433,832	644,741	2,078,573	1976	1,506,376	164,219	1,760,595
1972	1,549,766	634,093	2,183,859	1977	1,639,759	78,658	1,718,417
1973	3,282,597	782,822	3,565,419	1978	1,496,237	60,789	1,556,826
1974	1,452,727	492,934	1,945,661	1979	1,839,947	291,707	2,131,654
1975	1,421,834	461,650	1,883,484	1980	1,824,788	222,563	2,047,351

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

BELLINGHAM BAY AND HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1980

(TENS OF THOUSAND TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	2,047,351	292,362	273,752	63,028	224,046	851,813	297,322	45,028
0121 TOBACCO, LEAF-----	10	10						
0129 FIELD CROPS, NEC-----	10		10					
0131 FRESH FRUITS AND TREE NUTS-----	18		18					
0141 FRESH AND FROZEN VEGETABLES-----	514		266	248				
0911 FRESH FISH, EXCEPT SHELLFISH-----	8,568	590	2,016	1,906		4,096		
0912 SHELLFISH, EXCEPT PREPARED-----	275		171	171		104		
1311 CRUDE PETROLEUM-----	62,347	24,541		25,627			12,179	
1442 SAND, GRAVEL, CRUSHED ROCK-----	84,000					84,000		
1451 CLAY-----	20	20						
1491 SALT-----	176,853	146,514		30,339				
1492 SULPHUR, DRY-----	9,491		9,491					
1499 NONMETALLIC MINERALS, NEC-----	61		61					
2011 MEAT, FRESH, CHILLED, FROZEN-----	14	14						
2031 FISH AND SHELLFISH, PREPARED-----	2,407	19	115	2,273				
2039 PREP FRUIT AND VEG JUICE, NEC-----	182	182						
2042 PREPARED ANIMAL FEEDS-----	228		228					
2081 ALCOHOLIC BEVERAGES-----	20	20						
2099 MISCELLANEOUS FOOD PRODUCTS-----	11	11						
2111 TOBACCO MANUFACTURES-----	1	1						
2411 LOGS-----	75,575	4,399	71,176					
2412 RAFTED LOGS-----	222,563					184,060	38,503	
2413 FUEL WOOD, CHARCOAL, WASTES-----	2,504	1,422				1,082		
2416 WOOD CHIPS, STAVES, HOLDINGS-----	159,261	106,821				52,440		
2421 LUMBER-----	1,807	1,807						
2431 VENEER, PLYWOOD, WORKED WOOD-----	371	371						
2491 WOOD MANUFACTURES, NEC-----	4,848	4,847					1	
2511 FURNITURE AND FIXTURES-----	6	6						
2611 PULP-----	70,039		62,890			120	7,029	
2631 PAPER AND PAPERBOARD-----	233		233					
2711 PRINTED MATTER-----	1	1						
2810 SODIUM HYDROXIDE-----	120,652			1,953	118,699			
2810 SULPHURIC ACID-----	4,660				4,660			
2819 BASIC CHEMICALS AND PROD, NEC-----	2,372	45	1,157		1,170			
2821 PLASTIC MATERIALS-----	23	23						
2841 SOAP-----	35,928		35,928					
2851 PAINTS-----	28	28						
2861 GUM AND WOOD CHEMICALS-----	174,085				61,038	1,684	111,363	
2876 INSECTICIDES, DISINFECTANTS-----	36		36					
2891 MISCELLANEOUS CHEMICAL PROD-----	19,945				19,945			
2911 GASOLINE-----	43,695					43,695		
2914 DISTILLATE FUEL OIL-----	22,435					22,435		
2915 RESIDUAL FUEL OIL-----	25,048					25,048		
2916 LUBRICATING OILS AND GREASES-----	108		1			79		28
3011 RUBBER AND MISC PLASTIC PROD-----	10	10						
3111 LEATHER AND LEATHER PRODUCTS-----	2		2					
3241 BUILDING CEMENT-----	155,254		21,073		18,534		115,647	
3251 STRUCTURAL CLAY PRODUCTS-----	19	19						
3291 MISC NONMETALLIC MINERAL PROD-----	8,006	6				4,500	4,000	
3315 IRON, STEEL SHAPES, EXC SHEET-----	139	139						
3317 IRON AND STEEL PIPE AND TUBE-----	982	382				600		
3319 IRON AND STEEL PRODUCTS, NEC-----	1	1						
3324 ALUMINUM AND ALLOYS, UNWORKED-----	69,051		69,051					
3411 FABRICATED METAL PRODUCTS-----	115	15					100	
3511 MACHINERY, EXCEPT ELECTRICAL-----	8,006	6					8,000	
3611 ELECTRICAL MACH AND EQUIP-----	7	7						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	117	117						
3731 SHIPS AND BOATS-----	985			485			500	
3911 MISC MANUFACTURED PRODUCTS-----	7	7						
4029 WASTE AND SCRAP, NEC-----	473,350					428,150		45,200
4112 COMMODITIES, NEC-----	27	1		26				

SEATTLE, WASH., DISTRICT

75

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILFS	PASSENGERS
PROJECT				
BLAINE HARBOR, WASH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,855		
	0912 SHELLFISH, EXCEPT PREPARED-----	38		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	3,900		
	TOTAL-----	5,793		
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WASH.-----	2412 RAFTED LOGS-----	25,990		
	3411 FABRICATED METAL PRODUCTS-----	243		
	TOTAL-----	26,233	239,221	
FLATHEAD LAKE, MONT.-----	NO COMMERCE REPORTED			
HOUQUIAM RIVER, WASH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	135		
	0912 SHELLFISH, EXCEPT PREPARED-----	1		
	2015 RESIDUAL FUEL OIL-----	17,579		
	TOTAL-----	17,715	52,873	
KOOTENAI RIVER, IDAHO AND MONT.-----	NO COMMERCE REPORTED			
QUILLAYUTE RIVER, WASH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	18		18
SKAGIT RIVER, WASH.-----	NO COMMERCE REPORTED			
STILLAGUAMISH RIVER, WASH.-----	NO COMMERCE REPORTED			
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WASH.-----	2413 FUEL WOOD, CHARCOAL, WASTES-----	11,982		
	2416 WOOD CHIPS, STAVES, HOLDINGS-----	118,918		
	2801 GUM AND WOOD CHEMICALS-----	1,102		
	TOTAL-----	130,002	130,082	
WILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WASH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	216		
	0912 SHELLFISH, EXCEPT PREPARED-----	1,075		
	TOTAL-----	1,291	17,264	
NONPROJECT				
COEUR D'ALENE LAKE AND ST. JOE RIVER, IDAHO-----	2412 RAFTED LOGS-----	361,446	9,797,702	
OTHER PUGET SOUND AREA PORTS, WASH. (NET)-----	0129 FIELD CROPS, NEC-----	36		
	0151 LIVE ANIMALS-----	40		
	0161 ANIMALS AND PRODUCTS, NEC-----	40		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	914		
	0912 SHELLFISH, EXCEPT PREPARED-----	351		
	1051 ALUMINUM ORES, CONCENTRATES-----	421,713		
	1311 CRUDE PETROLEUM-----	10,440,765		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	3,713,124		
	1451 CLAY-----	137,557		
	2031 FISH AND SHELLFISH, PREPARED-----	3		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	67		
	2412 RAFTED LOGS-----	1,102,573		
	2414 TIMBER, POSTS, POLES, PILING-----	37,250		
	2416 WOOD CHIPS, STAVES, HOLDINGS-----	7,950		
	2421 LUMBER-----	1,400		
	2511 FURNITURE AND FIXTURES-----	280		
	2810 SODIUM HYDROXIDE-----	1,599		
	2811 CRUDE TAR, OIL, GAS PRODUCTS-----	2,060		
	2813 ALCOHOLS-----	710		
	2891 MISCELLANEOUS CHEMICAL PROD-----	520		
	2911 GASOLINE-----	748,430		
	2912 JET FUEL-----	336,083		
	2914 DISTILLATE FUEL OIL-----	624,128		
	2915 RESIDUAL FUEL OIL-----	1,066,300		
	2916 LUBRICATING OILS AND GREASES-----	44,104		
	2917 NAPHTHA, PETROLEUM SOLVENTS-----	15,945		
	2921 LIQUEFIED GASES-----	120		
	2991 PETROLEUM AND COAL PROD. NEC-----	2,516		
	3241 BUILDING CEMENT-----	180		
	3291 MISC NONMETALLIC MINERAL PROD-----	1,710		
	3317 IRON AND STEEL PIPE AND TUBE-----	1,650		
	3411 FABRICATED METAL PRODUCTS-----	58		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	1,760		
	3611 ELECTRICAL MACH AND EQUIP-----	2		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,360		
	3731 SHIPS AND BOATS-----	892		
	3791 MISC TRANSPORTATION EQUIPMENT-----	2		
	4020 WASTE AND SCRAP, NEC-----	208,165		
	4112 COMMODITIES, NEC-----	135		
		TOTAL-----	18,922,492	2,050,336

ALASKA DISTRICT

METLAKATLA HARBOR, ALASKA

SECTION INCLUDED: FROM THE BOAT BASIN WEST OF VILLAGE POINT TO AND INCLUDING THE EXITING CHIP MILL DOCK EAST OF THE PRESENT CITY DOCK. CONTROLLING DEPTH: 25 FEET AT BASE OF CANNERY WHARF, 10 FEET IN BOAT BASIN, 45 FEET AT CITY DOCK AND 15 FEET AT CHIP MILL DOCK. PROJECT DEPTH: 10 FEET IN PRESENT BOAT BASIN AND 15 FEET IN PROPOSED BOAT BASIN. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1971	51,640	15,953	67,593	126	1976	97,033	77,176	174,209	14,776
1972	142,794	148,537	291,331		1977	101,335	122,710	224,045	13,426
1973	214,711	19,427	234,138		1978	93,511	142,837	236,348	13,739
1974	134,191	178,935	313,126	9,746	1979	250,367	171,789	422,156	7,882
1975	121,078	40,613	161,691	12,523	1980	281,624	227,130	508,754	17,221

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL	508,754	58	197,321	2,948	2,452	234,247	77,725
1442 SAND, GRAVEL, CRUSHED ROCK	180			180			
1451 CLAY	5	5					
2099 MISCELLANEOUS FOOD PRODUCTS	986			986			
2411 LOGS	75,720		75,720				
2412 RAFTED LOGS	227,130					227,130	
2416 WOOD CHIPS, STAVES, MOLDINGS	85,612					8,118	77,494
2421 LUMBER	112,628		112,151	238	2,239		
2491 WOOD MANUFACTURES, NEC	1,450		1,450				
2511 FURNITURE AND FIXTURES	6			3	3		
2819 BASIC CHEMICALS AND PROD, NEC	46	4		42			
2891 MISCELLANEOUS CHEMICAL PROD	33					33	
2911 GASOLINE	461					461	
2914 DISTILLATE FUEL OIL	1,882					1,882	
2991 PETROLEUM AND COAL PROD, NEC	12			12			
3011 RUBBER AND MISC PLASTIC PROD	55	5		42	8		
3111 LEATHER AND LEATHER PRODUCTS	30	30					
3201 CUT STONE AND STONE PRODUCTS	377	1		376			
3315 IRON, STEEL SHAPES, EXC SHEET	75	1		75			
3317 IRON AND STEEL PIPE AND TUBE	11			11			
3411 FABRICATED METAL PRODUCTS	449			369	60		
3511 MACHINERY, EXCEPT ELECTRICAL	911			265	71	221	234
3611 ELECTRICAL MACH AND EQUIP	90			47	3		
3711 MOTOR VEHICLES, PARTS, EQUIP	120	1		96	23		
3811 INSTR, TIME, PHOTO, OPT GOODS	1	1					
3911 MISC MANUFACTURED PRODUCTS	86	10		76			
4012 NONFERROUS METAL SCRAP	15					15	
4112 COMMODITIES, NEC	123	1		90	30	2	

KETCHIKAN HARBOR, ALASKA

SECTION INCLUDED: TONGASS NARROWS FROM POINT HIGGINS ON THE NORTH TO MOUNTAIN POINT ON THE SOUTH AND INCLUDING HERRING BAY ON GEORGE INLET. CONTROLLING DEPTH: MAIN HARBOR, ADEQUATE; SMALL BOAT BASINS, KETCHIKAN CREEK, 10.0 FEET; HAN POINT, 15 FEET. PROJECT DEPTH: NO PROJECT DEPTH FOR MAIN HARBOR; SMALL BOAT BASINS, 10 AND 15 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	ADDITIONAL TRAFFIC	
					GENERAL FERRY VEHICLES	PASSENGERS
1971	837,647	76,199	1,566,637	47,977	4,427	43,550
1972	968,374	1,217,974	2,186,282	42,242	2,417	42,249
1973	1,079,473	1,207,827	2,167,293	57,019	11,054	50,219
1974	954,675	1,227,692	2,182,374	23,637	48,513	237,677
1975	852,767	772,745	1,562,527	42,144	12,201	42,144
1976	923,043	637,024	1,559,067	525,131	125,219	425,180
1977	1,139,137	824,549	1,965,726	346,773	64,346	346,708
1978	1,293,351	674,443	1,972,834	324,444	45,733	325,836
1979	1,700,642	541,375	2,222,017	311,174	54,793	113,164
1980	1,897,314	471,657	2,747,173	371,917	82,053	171,931

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		TOTAL		
		IMPORTS	EXPORTS	COASTWISE			INTERNAL	
				RECEIPTS	SHIPMENTS			RECEIPTS
TOTAL	2,767,173	496,107	436,424	423,270	47,816	569,293	210,347	134,133
0141 FRESH AND FROZEN VEGETABLES	193			193				
0161 ANIMALS AND PRODUCTS, NEC	12				12			
0191 MISCELLANEOUS FARM PRODUCTS	217			217				

ALASKA DISTRICT

KETCHIKAN HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTELL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
0911 FRESH FISH, EXCEPT SHELLFISH	1,679	92	1,188	84	95		220	
1011 IRON ORE AND CONCENTRATES	494,966	494,966						
1442 SAND, GRAVEL, CRUSHED ROCK	25,927	24,301		876			750	
1451 CLAY	1,425			1,425				
1491 SALT	224			218			6	
1492 SULPHUR, DRY	9,662			9,662				
2011 MEAT, FRESH, CHILLED, FROZEN	34			30			4	
2021 DAIRY PRODUCTS, NEC	4						4	
2031 FISH AND SHELLFISH, PREPARED	14,578				14,978			
2034 VEGETABLES AND PREP, NEC	24			17			7	
2049 GRAIN MILL PRODUCTS, NEC	24			24				
2061 ALCOHOLIC BEVERAGES	3,275			3,273	2			
2094 GROCERIES	7,601			7,582	1		18	
2099 MISCELLANEOUS FOOD PRODUCTS	7,321			7,318	1		2	
2211 BASIC TEXTILE PRODUCTS	90							
2311 APPAREL	2			2				
2411 LOGS	176,258	99,614	116,644					
2412 RAFTED LOGS	871,857					749,502	74,231	48,124
2414 TIMBER, POSTS, POLES, PILING	16			16				
2416 WOOD CHIPS, STAVES, HOLDINGS	212,568					116,684	8,118	87,766
2421 LUMBER	170,942	92	164,154	5,068	1,935		113	
2431 VENEER, PLYWOOD, WORKED WOOD	544			544				
2491 WOOD MANUFACTURES, NEC	2,158	102	1,526	310	12		208	
2511 FURNITURE AND FIXTURES	969			653	315	1		
2611 PULP	194,673		171,806		22,867			
2621 STANDARD NEWSPRINT PAPER	220			182	38			
2631 PAPER AND PAPERBOARD	90			90				
2691 PULP AND PAPER PRODUCTS, NEC	904			896			8	
2810 SODIUM HYDROXIDE	11,334			11,334				
2818 SULPHURIC ACID	225			225				
2819 BASIC CHEMICALS AND PROD, NEC	12,174	9,451	10	2,652	40		21	
2841 SOAP	55			55				
2891 PAINTS	448			149	299			
2871 NITROGENOUS CHEM FERTILIZERS	38			38				
2879 FERTILIZER AND MATERIALS, NEC	13			13				
2891 MISCELLANEOUS CHEMICAL PROD	7,411			7,183		189	24	15
2911 GASOLINE	76,068			49,607	103		26,353	5
2912 JET FUEL	37,968			25,780	180		12,008	
2914 DISTILLATE FUEL OIL	259,113	2,382		150,455	996		105,680	
2915 RESIDUAL FUEL OIL	49,744			49,384			360	
2916 LUBRICATING OILS AND GREASES	47,323			47,319			4	
2918 ASPHALT, TAR, AND BITUMENS	263			263				
2921 LIQUEFIED GASES	4,511	2,442		1			2,068	
2951 ASPHALT BUILDING MATERIALS	215			215				
2991 PETROLEUM AND COAL PROD, NEC	4,478			3,654	824			
3011 RUBBER AND MISC PLASTIC PROD	597			458	139			
3211 GLASS AND GLASS PRODUCTS	6							
3241 BUILDING CEMENT	3,566	1,655		1,697			14	
3251 STRUCTURAL CLAY PRODUCTS	327			327				
3281 CUT STONE AND STONE PRODUCTS	1,678			1,672	6			
3271 MISC NONMETALLIC MINERAL PROD	1,224			1,111			113	
3315 IRON, STEEL SHAPES, EXC SHEET	131			131				
3317 IRON AND STEEL PIPE AND TUBE	140			140				
3321 NONFERROUS METALS, NEC	3			2	1			
3411 FABRICATED METAL PRODUCTS	14,358	10		11,548	2,147		653	
3511 MACHINERY, EXCEPT ELECTRICAL	13,777	61		7,167	2,384	292	3,796	117
3611 ELECTRICAL, MATH AND EQUIP	781			749	12			
3711 MOTOR VEHICLES, PARTS, EQUIP	2,501	11		2,035	288	5	167	
3731 TRIPS AND ROUTES	60			57	3			
3791 MISC TRANSPORTATION EQUIPMENT	995		3	208	512	25	247	
3911 MISC MANUFACTURED PRODUCTS	1,019			971	48			
4011 IRON AND STEEL SCRAP	1,219		1,100	14	105			
4012 NONFERROUS METAL SCRAP	162				162			
4112 COMMODITIES, NEC	14,404	685		7,697	236	1,585	4,195	6
4119 EMPTY CONTAINERS	384			109	275			
9999 DEPARTMENT OF DEFENSE AND SCI	13		13					

WRANGELL HARBOR, ALASKA

SECTION INCLUDES: SHOPLINE OF WRANGELL ISLAND FROM THE AIRPLANE LANDING NEAR THE BASE OF POINT SHEKESTI TO POINT HIGHFIELD ON THE NORTH. CONTROLLED DEPTH: MAIN AND INNER HARBOR 10 FEET. PROJECT DEPTHS: BOTH DOORING BASINS, 10 FEET AT MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	ADDITIONAL TRAFFIC	
					GENERAL FERRY	
					VEHICLES	PASSENGERS
1971	456,785	465,654	922,439	13,643	3,187	13,643
1972	602,719	546,484	1,149,203	15,890	3,089	15,890
1973	631,853	539,794	1,171,639	17,480	3,129	17,480
1974	529,954	491,369	1,023,323	18,280	3,637	18,280
1975	425,342	531,828	956,170	19,048	5,034	19,048
1976	427,348	399,999	827,347	16,814	3,854	16,814
1977	404,556	225,172	629,728	13,545	3,355	13,545
1978	302,127	214,695	516,822	15,076	3,502	15,076
1979	308,884		308,884	7,701	1,713	7,701
1980	446,795	171,703	550,498	16,793	3,878	16,793

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

WRANGELL HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	590,498	1,703	279,966	9,384	4,166	171,935	83,444
0191 MISCELLANEOUS FARM PRODUCTS-----	11			11			
0911 FRESH FISH, EXCEPT SHELLFISH-----	4			4			
1442 SAND, GRAVEL, CRUSHED ROCK-----	7,823	1,700		123		6,000	
2011 MEAT, FRESH, CHILLED, FROZEN-----	5			5			
2014 TALLOW, ANIMAL FATS AND OILS-----	573		573				
2031 FISH AND SHELLFISH, PREPARED-----	605				605		
2049 GRAIN MILL PRODUCTS, NEC-----	50			50			
2081 ALCOHOLIC BEVERAGES-----	23			23			
2094 GROCERIES-----	1,400			1,377	23		
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,028			2,028			
2211 BASIC TEXTILE PRODUCTS-----	1			1			
2411 LOGS-----	196,007		131,244			64,763	
2412 RAFTED LOGS-----	103,703					89,363	14,340
2414 TIMBER, POSTS, POLES, PILING-----	7			7			
2416 WOOD CHIPS, STAVES, HOLDINGS-----	68,616						68,616
2421 LUMBER-----	151,050		148,149	618	2,267		16
2431 VENEER, PLYWOOD, WORKED WOOD-----	43			43			
2491 WOOD MANUFACTURES, NEC-----	19			3			16
2511 FURNITURE AND FIXTURES-----	97			69	28		
2631 PAPER AND PAPERBOARD-----	12			12			
2691 PULP AND PAPER PRODUCTS, NEC-----	14			14			
2819 BASIC CHEMICALS AND PROD, NEC-----	127			106		21	
2851 PAINTS-----	52			22	30		
2891 MISCELLANEOUS CHEMICAL PROD-----	11			11			
2911 GASOLINE-----	2,397			35		2,362	
2912 JET FUEL-----	671					671	
2914 DISTILLATE FUEL OIL-----	7,971					7,971	
2918 ASPHALT, TAR, AND BITUMENS-----	190			190			
2921 LIQUEFIED GASES-----	328			59		273	
2951 ASPHALT BUILDING MATERIALS-----	7			7			
2991 PETROLEUM AND COAL PROD, NEC-----	204			204			
3011 RUBBER AND MISC PLASTIC PROD-----	47			34	13		
3241 BUILDING CEMENT-----	20			20			
3291 STRUCTURAL CLAY PRODUCTS-----	11			11			
3291 CUT STONE AND STONE PRODUCTS-----	696			694	2		
3291 MISC NONMETALLIC MINERAL PROD-----	116			100			16
3411 FABRICATED METAL PRODUCTS-----	1,984			1,450	534		
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,259	3		1,197	511	216	332
3611 ELECTRICAL MACH AND EQUIP-----	83			75	6		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	161			106	22	24	9
3731 SHIPS AND RATS-----	3			3			
3791 MISC TRANSPORTATION EQUIPMENT-----	97			33	24		
3911 MISC MANUFACTURED PRODUCTS-----	94			67	27		
4112 COMMODITIES, NEC-----	678			570	38	171	99
4119 EMPTY CONTAINERS-----	40			6	34		

WRANGELL NARROWS, ALASKA

SECTION INCLUDED: ENTIRE 24 MILE LONG WATERWAY, CONTROLLING DEPTH: 26 FEET IN THE ANCHORAGE BASIN AND 24 FEET IN THE AUTOMORIZED CHANNEL WITH EXCEPTION OF THE AREA NEAR COLORADO REEF WHERE A DEPTH OF 21.6 FEET EXISTS. PROJECT DEPTH: 27 FEET THROUGH PETERSBURG BARS; 26 FEET IN ANCHORAGE BASIN, VICINITY OF MILE 14; ALL OTHER, 24 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

(SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
1971-----	145,760	69,890	215,610	1976-----	352,645	221,955	574,600
1972-----	440,433	523,020	1,003,453	1977-----	631,073	83,431	714,504
1973-----	218,827	14,790	233,617	1978-----	569,631	388,424	958,055
1974-----	489,387	45,047	554,434	1979-----	593,939	21,263	605,202
1975-----	364,730	101,040	465,770	1980*-----	710,938	299,157	1,010,065

* PASSENGERS--129,516.

FREIGHT TRAFFIC, 1980

FOREIGN

(SHORT TONS)

COMMODITY	EXPORTS
TOTAL-----	1,573
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,529
2031 FISH AND SHELLFISH, PREPARED-----	44
TON-MILES, FOREIGN-----	34,606

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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
1971	511,743	527,274	1,039,017	11,260	1976	619,654	382,074	997,728	23,837
1972	692,210	551,227	1,243,437	11,147	1977	551,485	3,889	555,294	16,757
1973	480,517	347,257	827,774	14,834	1978	504,184	384,143	888,327	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	653,229	361,146	1,014,375	32,196

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
1971			0	2,033	11,260	1976			0	4,873	23,837
1972			0	2,547	11,147	1977			0	4,853	16,757
1973			0	3,280	14,834	1978			0	4,674	20,420
1974			0	3,313	14,413	1979			0	2,278	11,666
1975			0	3,145	12,081	1980			0	6,092	32,196

* CARGO REPORTED AS FREIGHT TRAFFIC.

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	1,014,375	20,051	139,903	198,429	52,714	537,619	65,984	75
0141 FRESH AND FROZEN VEGETABLES	39			39				
0191 MISCELLANEOUS FARM PRODUCTS	7			7				
0841 CRUDE RUBBER AND ALLIED GUMS	1	1						
0911 FRESH FISH, EXCEPT SHELLFISH	1,702		364	504	704	130		
0912 SHELLFISH, EXCEPT PREPARED	310			240	70			
1091 NONFERROUS ORES, CONCENT, NEC	42		42					
1442 SAND, GRAVEL, CRUSHED ROCK	16,233	16,200	33					
1451 CLAY	658	658						
1491 SALT	1,280			630	630			
1492 SULPHUR, DRY	7,101			7,101				
2021 DAIRY PRODUCTS, NEC	718			354	358	4		
2031 FISH AND SHELLFISH, PREPARED	12,814			4,774	7,775		265	
2449 GRAIN MILL PRODUCTS, NEC	50			50				
2081 ALCOHOLIC BEVERAGES	2,634			2,230	404			
2091 VEGETABLE OILS, MARG, SHORT	20			20				
2094 GROCERIES	6,646			5,743	903			
2099 MISCELLANEOUS FOOD PRODUCTS	3,045			2,428	217			
2211 BASIC TEXTILE PRODUCTS	1		1					
2411 LOGS	124,579			16,397		43,219	64,763	
2412 RAFTED LOGS	361,146					361,146		
2414 TIMBER, POSTS, POLES, PILING	508			508				
2416 WOOD CHIPS, STAVES, HOLDINGS	192,210					102,730		
2421 LUMBER	1,884			1,777	73		34	
2431 VENEER, PLYWOOD, WORKED WOOD	550			500	50			
2491 WOOD MANUFACT, RES, NEC	835			453	261	181		
2511 FURNITURE AND FIXTURES	554			350	2,3	1		
2611 PULP	158,360		139,462		18,898			
2621 STANDARD NEWSPRINT PAPER	123			22	101			
2631 PAPER AND PAPERBOARD	78			45	29			
2691 PULP AND PAPER PRODUCTS, NEC	1,714			952	762			
2711 PRINTED MATTER	2		2					
2810 SODIUM HYDROXIDE	34,820			34,820				
2819 BASIC CHEMICALS AND PROD, NEC	11,427			11,408	19			
2841 SOAP	3		3					
2851 PAINTS	330			150	171			
2870 FERTILIZER AND MATERIALS, NEC	20			20				
2891 MISCELLANEOUS CHEMICAL PROD	11,103			11,063		40		
2911 GASOLINE	6,185			201		5,934		
29.2 JET FUEL	3,075					3,075		
2914 DISTILLATE FUEL OIL	21,684			1,137		20,527		
2915 RESIDUAL FUEL OIL	58,454			59,454				
2916 LUBRICATING OILS AND GREASES	84			1	83			
2918 ASPHALT, TAR, AND BITUMENS	90			90				
2921 LIQUIFIED GASES	579			94	2	483		
2951 ASPHALT BUILDING MATERIALS	229			229				
2991 PETROLEUM AND COAL PROD, NEC	1,305			862	443			
3011 RUBBER AND MISCELLANEOUS PLASTIC PROD	98		30	76	2			
3241 BUILDING CEMENT	3,368	2,991		328	35	14		
3251 STRUCTURAL CLAY PRODUCTS	148		90	58				
3291 MISCELLANEOUS NONFERROUS MINERAL PROD	1,016			905	76	34		
3317 IRON AND STEEL PIPE AND TUBE	27		27					
3321 NONFERROUS METALS, NEC	6			6				
3411 FABRICATED METAL PRODUCTS	2,283			1,529	557			
3511 MACHINERY, EXCEPT ELECTRICAL	1,712	43		621	495	137	32	75
3611 ELECTRICAL MACH AND EQUIP	155			155				
3711 MOTOR VEHICLES, PARTS, EQUIP	3,971			2,765	1,157	47		

ALASKA DISTRICT

SITKA HARBOR, ALASKA--CONTINUED
 FREIGHT TRAFFIC, 1980--CONTINUED
 (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3731 SHIPS AND BOATS	137			128	9			
3791 MISC TRANSPORTATION EQUIPMENT	361			144	126	71		
3911 MISC MANUFACTURED PRODUCTS	86			8	78			
4011 IRON AND STEEL SCRAP	639			259	380			
4112 COMMODITIES, NEC	45,197	4		27,151	17,564	242	234	
4119 EMPTY CONTAINERS	221			82	139			

SERGIUS AND WHITESTONE NARROWS, ALASKA

SECTION INCLUDED 1 CHANNELS THROUGH SERGIUS AND WHITESTONE NARROWS, CONTROLLING DEPTH PROJECT DEPTH AVAILABLE EXCEPT FOR PINNACLES TO 23.9 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
1971	0	0	0	1976	170,002	373,861	543,863
1972	0	0	0	1977	378,571	3,889	382,460
1973	214,886	347,257	562,143	1978	328,883	384,143	713,026
1974	181,448	442,307	623,755	1979	354,119		354,119
1975	185,695	17,426	203,121	1980*	540,678	361,146	901,824

*NOT PUBLISHED PRIOR TO 1973.

#PASSENGERS 32,196.

FREIGHT TRAFFIC, 1980

DOMESTIC
 (SHORT TONS)

COMMODITY	TOTAL	COASTWISE THROUGH		INTERNAL THROUGH	
		NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND
TOTAL	901,824	94,971	151,845	73,696	581,712
0141 FRESH AND FROZEN VEGETABLES	40		40		
0161 ANIMALS AND PRODUCTS, NEC	151	120	31		
0191 MISCELLANEOUS FARM PRODUCTS	7		7		
0911 FRESH FISH, EXCEPT SHELLFISH	1,381	704	547		130
0912 SHELLFISH, EXCEPT PREPARED	310	70	240		
1091 NONFERROUS ORES, CONCENT, NEC	71		71		
1491 SALT	1,297	630	667		
1492 SULPHUR, DRY	7,101		7,101		
2021 DAIRY PRODUCTS, NEC	358		354		4
2031 FISH AND SHELLFISH, PREPARED	13,303	7,789	5,249	265	
2049 GRAIN MILL PRODUCTS, NEC	68		68		
2081 ALCOHOLIC BEVERAGES	2,819	404	2,415		
2091 VEGETABLE OILS, HARG, SHORT	20		20		
2094 GROCERIES	7,175	669	6,506		
2099 MISCELLANEOUS FOOD PRODUCTS	3,436	203	3,233		
2411 LOGS	184,670		18,597	64,783	83,310
2412 RAFTED LOGS	361,146				361,146
2414 TIMBER, POSTS, POLES, PILING	619		619		
2416 WOOD CHIPS, STAVES, HOLDINGS	102,230				102,230
2421 LUMBER	2,644	180	2,430		34
2431 VENEER, PLYWOOD, WORKED WOOD	765	50	715		
2491 WOOD MANUFACTURES, NEC	850	201	488		161
2511 FURNITURE AND FIXTURES	753	197	555		1
2611 PULP	18,937	18,898	39		
2621 STANDARD NEWSPRINT PAPER	237	101	136		
2631 PAPER AND PAPERBOARD	75		49		
2691 PULP AND PAPER PRODUCTS, NEC	1,784	729	1,055		
2810 SODIUM HYDROXIDE	34,820		34,820		
2819 BASIC CHEMICALS AND PROD, NEC	11,463	19	11,444		
2851 PAINTS	367	171	196		
2879 FERTILIZER AND MATERIALS, NEC	35		35		
2891 MISCELLANEOUS CHEMICAL PROD	11,238		11,071	3	164
2911 GASOLINE	7,981	204		1,044	6,733
2917 JET FUEL	3,322			81	3,241
2914 DISTILLATE FUEL OIL	31,568	1,105	62	6,916	23,485
2919 RESIDUAL FUEL OIL	58,454	52,710	5,744		
2916 LUBRICATING OILS AND GREASES	84	83	1		
2918 ASPHALT, TAR, AND BITUMENS	90		90		
2921 LIQUEFIED GASES	644	2	159		483
2951 ASPHALT BULKING MATERIALS	278	1	275		
2991 PETROLEUM AND COAL PROD, NEC	1,884	415	1,469		
3011 RUBBER AND MISC PLASTIC PROD	35	2	33		
3241 BUILDING CEMENT	578	35	529		14
3251 STRUCTURAL CLAY PRODUCTS	68		68		
3291 MISC NONMETALLIC MINERAL PROD	1,298	76	1,188		34
3321 NONFERROUS METALS, NEC	6		6		
3411 FABRICATED METAL PRODUCTS	3,116	557	2,559		
3511 MACHINERY, EXCEPT ELECTRICAL	1,817	472	868	320	157
3611 ELECTRICAL MACH AND EQUIP	169		169		
3711 MOTOR VEHICLES, PARTS, EQUIP	3,377	637	2,691	2	47
3731 SHIPS AND BOATS	314	4	310		

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

SERGIUS AND WHITESTONE NARROWS, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE THROUGH		INTERNAL THROUGH	
		NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND
3911 MISC MANUFACTURED PRODUCTS-----	86	78	8	-----	-----
4011 IRON AND STEEL SCRAP-----	497	388	27	-----	-----
4112 COMMODITIES, NEC-----	35,130	6,378	28,203	-----	302
4319 EMPTY CONTAINERS-----	308	145	163	-----	-----

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; 17.9 FEET IN SMALL BOAT BASIN; 42.5 FEET AT PACIFIC AND ARTIC RAILWAY NAVIGATION COMPANY ORE TERMINAL, 20 FEET AT ALASKA STATE FERRY DOCK, PROJECT DEPTH: MAIN HARBOR, 39 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
1971-----	1,448,397	2,895	1,451,292	73,747	4,199	73,707
1972-----	1,387,214	348	1,387,562	70,719	4,334	70,718
1973-----	1,347,761	-----	1,347,761	62,730	4,649	62,730
1974-----	1,514,744	-----	1,514,744	112,903	5,052	102,903
1975-----	1,414,177	-----	1,414,177	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	5,498	77,058
1978-----	904,289	-----	904,289	187,637	5,612	187,637
1979-----	807,207	-----	807,207	101,732	3,891	101,732
1980-----	1,085,261	-----	1,085,060	153,792	5,362	153,572

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC
		IMPORTS	EXPORTS	INTERNAL
				RECEIPTS
TOTAL-----	1,085,060	718,265	358,220	8,775
1021 COPPER ORE AND CONCENTRATES-----	26,875	-----	26,875	-----
1091 FERROUS ORES, CONCENT, NEC-----	637,132	376,877	260,295	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	20	20	-----	-----
1499 NONFERROUS MINERALS, NEC-----	17,583	-----	17,583	-----
2411 LOGS-----	1,922	-----	1,922	-----
2414 TIMBER, POSTS, POLES, PILING-----	4	4	-----	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	25,009	-----	25,009	-----
2421 LUMBER-----	23,741	32	23,709	-----
2841 SOAP-----	3	3	-----	-----
2851 PAINTS-----	1	1	-----	-----
2911 GASOLINE-----	35,742	35,354	-----	388
2912 JET FUEL-----	984	-----	-----	984
2914 DISTILLATE FUEL OIL-----	83,330	75,415	-----	7,715
2915 RESIDUAL FUEL OIL-----	78	-----	-----	78
2916 LUBRICATING OILS AND GREASES-----	1	1	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	160,248	160,248	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	17	17	-----	-----
3411 FABRICATED METAL PRODUCTS-----	1	1	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	10	-----	-----	10
3611 ELECTRICAL MACH AND EQUIP-----	2	2	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1	1	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	5	5	-----	-----
4112 COMMODITIES, NEC-----	73,071	69,394	3,187	-----

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 6.1 AT SONTAG ALASKA HYDROTRAIN FACILITIES, ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	238,729	1976-----	507,672
1972-----	253,505	1977-----	10,669,972
1973-----	311,076	1978-----	55,551,933
1974-----	356,967	1979-----	64,452,419
1975-----	694,514	1980-----	85,973,286

* PASSENGERS--24,937.

ALASKA DISTRICT

VALDEZ HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	
		RECEIPTS	SHIPMENTS
TOTAL	85,973,086	169,879	85,803,207
1311 CRUDE PETROLEUM	85,632,959		85,632,959
1491 SALT	6	6	
2094 GROCERIES	7	7	
2414 TIMBER, POSTS, POLES, PILING	36	36	
2421 LUMBER	800	800	
2431 VENEER, PLYWOOD, WORKED WOOD	31	31	
2491 WOOD MANUFACTURES, NEC	230	230	
2511 FURNITURE AND FIXTURES	419	241	178
2851 PAINTS	2	2	
2911 GASOLINE	83,410	36,205	47,125
2912 JET FUEL	31,108	17,966	13,142
2914 DISTILLATE FUEL OIL	204,695	109,180	95,515
2915 RESIDUAL FUEL OIL	6,589		6,589
2918 ASPHALT, TAR, AND BITUMENS	7,522		7,522
2951 ASPHALT BUILDING MATERIALS	33	33	
2991 PETROLEUM AND COAL PROD, NEC	164	164	
3241 BUILDING CEMENT	14	14	
3251 STRUCTURAL CLAY PRODUCTS	8	8	
3291 MISC NONMETALLIC MINERAL PROD	132	132	
3315 IRON, STEEL SHAPES, EXC SHEET	456	456	
3317 IRON AND STEEL PIPE AND TUBE	49	49	
3319 IRON AND STEEL PRODUCTS, NEC	196	196	
3321 NONFERROUS METALS, NEC	94	94	
3411 FABRICATED METAL PRODUCTS	2,141	2,141	
3511 MACHINERY, EXCEPT ELECTRICAL	830		177
3611 ELECTRICAL MACH AND EQUIP	448	448	
3711 MOTOR VEHICLES, PARTS, EQUIP	58	58	
3731 SHIPS AND BOATS	148	148	
3791 MISC TRANSPORTATION EQUIPMENT	24	24	
4112 COMMODITIES, NEC	507	507	

ANCHORAGE, ALASKA

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

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC		YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC	
			VEHICLES	PASSENGERS				VEHICLES	PASSENGERS
1971	1,782,064	2,840	414	2,785	1976	2,937,468			
1972	2,058,199	2,342	378	2,342	1977	2,267,081			
1973	2,624,763	2,900	582	2,900	1978	2,226,158			
1974	2,340,181				1979	1,638,747			
1975	2,936,159				1980	1,751,640			

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE		
				RECEIPTS	SHIPMENTS	
TOTAL	1,751,640	261,418	30,756	1,335,075	124,213	178
0107 WHEAT	44			44		
0112 FLAXSEED	43			43		
0129 HAY AND FORAGE	19			19		
7131 FRESH FRUITS AND TREE NUTS	7,990			7,990		
0141 FRESH AND FROZEN VEGETABLES	6,837			6,837		
0161 ANIMALS AND PRODUCTS, NEC	501			501		
0861 FOREST PRODUCTS, NEC	100			100		
0911 FRESH FISH, EXCEPT SHELLFISH	18,442		12,666	171	5,605	
0912 SHELLFISH, EXCEPT PREPARED	9,071		8,773		298	
1121 COAL AND LIGNITE	16,202			16,178	24	
1442 SAND, GRAVEL, CRUSHED ROCK	1,057			1,057		
1451 LAY	9,913			9,913		
1491 SALT	9,875	824	135	8,916		
1494 GYPSUM, PLASTER AND PLASTER	224			224		
1499 NONMETALLIC MINERALS, NEC	2,118			2,118		
2011 MEAT, FRESH, CHILLED, FROZEN	15,157			15,157		
2012 MEAT AND MEAT PRODUCTS, NEC	131			2	129	
2015 ANIMAL BY-PRODUCTS, NEC	41					
2021 DAIRY PRODUCTS, NEC	14,720			14,720		
2031 FISH AND SHELLFISH, PREPARED	34,947		3,978	118	30,851	
2042 PREPARED ANIMAL FEEDS	1,828			1,828		
2049 GRAIN MILL PRODUCTS, NEC	361			361		
2062 MOLASSES	21			21		
2091 ALCOHOLIC BEVERAGES	40,952			40,952		6
2094 GROCERIES	114,453			114,451		2
2099 MISCELLANEOUS FOOD PRODUCTS	34,330			34,330		

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

ANCHORAGE, ALASKA--CONTINUED
 FREIGHT TRAFFIC, 1980--CONTINUED
 (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE		
				RECEIPTS	SHIPMENTS	
2111 TOBACCO MANUFACTURES	146			146		
2211 BASIC TEXTILE PRODUCTS	866			866		
2311 APPAREL	27	5		21		
2413 FUEL WOOD, CHARCOAL, WASTES	83	6		83		
2414 TIMBER, POSTS, POLES, PILING	715			715		
2421 LUMBER	44,498		4,363	40,310	125	
2431 VENEER, PLYWOOD, WORKED WOOD	19,766			19,766		
2491 WOOD MANUFACTURES, NEC	13,651	214	7	13,413	17	
2511 FURNITURE AND FIXTURES	19,687			12,354	6,733	
2621 STANDARD NEWSPRINT PAPER	7,049			7,049		
2631 PAPER AND PAPERBOARD	3,524	3		3,521		
2691 PULP AND PAPER PRODUCTS, NEC	7,294	160		7,096	38	
2711 PRINTED MATTER	126			126		
2810 SODIUM HYDROXIDE	24			24		
2813 ALCOHOLS	703			703		
2817 BENZENE AND TOLUENE	1,259			1,259		
2819 BASIC CHEMICALS AND PROD, NEC	8,081			8,081		
2821 PLASTIC MATERIALS	411	28		383		
2831 DRUGS	1			1		
2841 SOAP	518			518		
2851 PAINTS	267	3		264		
2871 NITROGENOUS CHEM FERTILIZERS	194			194		
2879 FERTILIZER AND MATERIALS, NEC	607			607		
2891 MISCELLANEOUS CHEMICAL PROD	2,067	9		2,050		
2911 GASOLINE	336,402	241,744		94,658		
2913 KEROSENE	187,376			187,376		
2914 DISTILLATE FUEL OIL	17,802			1,053	16,561	178
2916 LUBRICATING OILS AND GREASES	745			745		
2918 ASPHALT, TAR, AND PITCHES	51,336			51,336	20	
2921 LIQUEFIED GASES	152			152		
2951 ASPHALT BUILDING MATERIALS	2,719			2,719		
2991 PETROLEUM AND COAL PROD, NEC	17,451			17,451		
3011 RUBBER AND MISC PLASTIC PROD	1,900	23		1,821	56	
3111 LEATHER AND LEATHER PRODUCTS	2			2		
3211 GLASS AND GLASS PRODUCTS	802		4	818		
3241 BUILDING CEMENT	48,307	7,797		39,761	449	
3251 STRUCTURAL CLAY PRODUCTS	475			475		
3271 LIME	171			148	23	
3261 CUT STONE AND STONE PRODUCTS	396			396		
3291 MISC NONMETALLIC MINERAL PROD	28,613			28,580	33	
3315 IRON, STEEL SHAPES, EXC SHEET	6,166			6,072	94	
3316 IRON AND STEEL PLATES, SHEETS	1,069			1,069		
3317 IRON AND STEEL PIPE AND TUBE	33,116	10,427		21,576	1,113	
3319 IRON AND STEEL PRODUCTS, NEC	639			639		
3321 NONFERROUS METALS, NEC	73			36	37	
3324 ALUMINUM AND ALLOYS, UNWORKED	15			15		
3411 FABRICATED METAL PRODUCTS	35,600	3		35,670	536	
3511 MACHINERY, EXCEPT ELECTRICAL	25,593	4	825	19,866	5,474	
3611 ELECTRICAL MACH AND EQUIP	1,384		5	1,236	143	
3711 MOTOR VEHICLES, PARTS, EQUIP	27,350			21,526	6,324	
3731 SHIPS AND BOATS	776			728	48	
3791 MISC TRANSPORTATION EQUIPMENT	1,374			904	470	
3811 INSTN, TIME, PHOTO, OPT GOODS	90			29		
3911 MISC MANUFACT PROD PRODUCTS	23,058	12		453	22,613	
4011 IRON AND STEEL SCRAP	2,862			17	2,862	
4012 NONFERROUS METAL SCRAP	269			3	265	
4111 WATER	26			26		
4112 COMMODITIES, NEC	425,704	152		403,122	22,384	
4119 EMPTY CONTAINERS	884			472	414	

KODIAK HARBOR, ALASKA

SECTION INCLUDED: CHANNEL, 100 FEET WIDE BETWEEN NEAR ISLAND AND KODIAK ISLAND TO THE KING CRAB, INC. DOCK IN ST. PAUL HARBOR INCLUDING THE BOAT BASIN. CHANNELING DEPTH: ABOUT 25 FEET IN THE CHANNEL AND 12 FEET IN THE BOAT BASIN; 30 FEET IN ST. PAUL HARBOR.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	1976		1977		1978		1979	
	TONS	PASSENGERS	TONS	PASSENGERS	TONS	PASSENGERS	TONS	PASSENGERS
1971	148,444	7,985	1976		388,251	10,392		
1972	192,963	9,717	1977		419,117	7,624		
1973	236,612	10,875	1978		500,231	10,766		
1974	217,024	11,846	1979		932,926	4,734		
1975	329,639	12,350	1980		322,989	11,056		

FREIGHT TRAFFIC, 1980
 (SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL	32,589	462	4,554	119,554	119,430
0129 FIELD CROPS, NEC	22	22			
0131 FRESH FRUITS AND TREE NUTS	147			141	6
0141 FRESH AND FROZEN VEGETABLES	144			144	

ALASKA DISTRICT

KODIAK HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
0911 FRESH FISH, EXCEPT SHELLFISH	11,428	18	4,166	431	6,813
0912 SHELLFISH, EXCEPT PREPARED	2,336	41	1,629		666
1121 COAL AND LIGNITE	5,386			4,221	1,165
1442 SAND, GRAVEL, CRUSHED ROCK	674			337	337
1491 SALT	3,833			3,533	300
2011 MEAT, FRESH, CHILLED, FROZEN	69			69	
2012 MEAT AND PRODUCTS, NEC	38			38	
2031 FISH AND SHELLFISH, PREPARED	116,891	6	862	13,748	104,275
2034 VEGETABLES AND PREP, NEC	14			14	
2039 PREP FRUIT AND VEG JUICE, NEC	11			11	
2042 PREPARED ANIMAL FEEDS	46			23	23
2081 ALCOHOLIC BEVERAGES	3,227			2,962	265
2092 ANIMAL OILS AND FATS, NEC	2,612				2,612
2094 GROCERIES	11			11	
2099 MISCELLANEOUS FOOD PRODUCTS	698	6		692	
2211 BASIC TEXTILE PRODUCTS	70	36		17	17
2311 APPAREL	64	64			
2414 TIMBER, POSTS, POLES, PILING	263			263	
2416 WOOD CHIPS, STAVES, MOLTINGS	12	12			
2421 LUMBER	1,988			1,701	287
2431 VENEER, PLY-WOOD, WORKED WOOD	1,109			1,084	25
2491 WOOD MANUFACTURES, NEC	745	19		723	3
2511 FURNITURE AND FIXTURES	6			6	
2621 STANDARD NEWSPRINT PAPER	133			69	64
2631 PAPER AND PAPERBOARD	435			34	401
2691 PULP AND PAPER PRODUCTS, NEC	4,040			3,408	632
2817 BENZENE AND TOLUENE	627			413	214
2819 BASIC CHEMICALS AND PROD, NEC	336			188	148
2891 MISCELLANEOUS CHEMICAL PROD	66			33	33
2911 GASOLINE	6,533			6,514	19
2912 JET FUEL	4,540			4,540	
2914 DISTILLATE FUEL OIL	54,971			54,971	
2915 RESIDUAL FUEL OIL	19,975			19,975	
2916 ASPHALT, TAR, AND BITUMENS	99			93	6
2991 PETROLEUM AND COAL PROD, NEC	677			621	56
3011 RUBBER AND MISC PLASTIC PROD	55	10		45	
3111 LEATHER AND LEATHER PRODUCTS	99	40			19
3211 GLASS AND GLASS PRODUCTS		1			
3241 BUILDING CEMENT	580			580	
3291 MISC NONMETALLIC MINERAL PROD	1,691	15		1,670	6
3315 IRON, STEEL SHAPES, EXC SHEET	98			98	
3316 IRON AND STEEL PLATES, SHEETS	80			80	
3317 IRON AND STEEL PIPE AND TUBE	220			220	
3324 ALUMINUM AND ALLOYS, UNWORKED	23			23	
3411 FABRICATED METAL PRODUCTS	2,201	67		2,067	67
3511 MACHINERY, EXCEPT ELECTRICAL	901	13	1	887	
3611 ELECTRICAL MACH AND EQUIP	99	82		15	2
3711 MOTOR VEHICLES, PARTS, EQUIP	1,085	19		939	131
3731 SHIPS AND BOATS	1			1	
3791 MISC TRANSPORTATION EQUIPMENT	22			22	
3911 MISC MANUFACTURED PRODUCTS	2,977	74		2,560	343
4011 IRON AND STEEL SHAP	50				50
4112 COMMODITIES, NEC	65,660	1		48,843	16,816
4119 EMPTY CONTAINERS	346			308	38

ILITULIK 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
1971	245,163	1976	349,760
1972	190,109	1977	342,324
1973	163,586	1978	378,900
1974	157,477	1979	580,057
1975	370,953	1980	483,946

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL	483,946	10,313	21,629	734,061	179,936	36,007
0911 FRESH FISH, EXCEPT SHELLFISH	45	45				
0912 SHELLFISH, EXCEPT PREPARED	8,892		7,741	761	390	
1491 SALT	13,078		11,896	992	390	
2011 MEAT, FRESH, CHILLED, FROZEN	2,991	971		1,980		
2031 FISH AND SHELLFISH, PREPARED	214			214		
2034 VEGETABLES AND PREP, NEC	15,940	12	2,161	40	13,737	
2039 PREP FRUIT AND VEG JUICE, NEC	337			337		
2099 MISC MANUFACTURED PRODUCTS	4		4			

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

ILITULIK HARBOR, ALASKA--CONTINUED
 FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
2081 ALCOHOLIC BEVERAGES-----	449	43		426		
2091 VEGETABLE OILS, MARG, SHORT-----	5		5			
2094 GROCERIES-----	762			762		
2099 MISCELLANEOUS FOOD PRODUCTS-----	572	297		275		
2211 BASIC TEXTILE PRODUCTS-----	57	57				
2311 APPAREL-----	219	219				
2421 LUMBER-----	153			153	35	
2431 VENEER, PLYWOOD, WORKED WOOD-----	50			50		
2491 WOOD MANUFACTURES, NEC-----	1,212	783		229		
2511 FURNITURE AND FIXTURES-----	12	4		4		
2631 PAPER AND PAPERBOARD-----	27	1		26		
2691 PULP AND PAPER PRODUCTS, NEC-----	2,120	121		1,995	4	
2711 PRINTED MATTER-----	31	31				
2819 BASIC CHEMICALS AND PROD. NEC-----	25			23		2
2821 PLASTIC MATERIALS-----	92	52	40			
2851 PAINTS-----	2	1		1		
2891 MISCELLANEOUS CHEMICAL PROD-----	13	9		2		2
2911 GASOLINE-----	55,460			22,374	24,376	4,780
2912 JET FUEL-----	60,345			5,647	50,698	4,010
2913 KEROSENE-----	71,821			71,421		
2914 DISTILLATE FUEL OIL-----	232,968			119,491	43,910	29,217
2916 LUBRICATING OILS AND GREASES-----	83			83		
2921 LIQUEFIED GASES-----	2			2		
2991 PETROLEUM AND COAL PROD, NEC-----	420			415	5	
3011 RUBBER AND MISC PLASTIC PROD-----	82	82				
3111 LEATHER AND LEATHER PRODUCTS-----	91	91				
3211 GLASS AND GLASS PRODUCTS-----	1	1				
3241 BUILDING CEMENT-----	45			45		
3291 MISC NONMETALLIC MINERAL PROD-----	153	57		76		
3317 IRON AND STEEL PIPE AND TUBE-----	6,157	6,157				
3319 IRON AND STEEL PRODUCTS, NEC-----	1	1				
3411 FABRICATED METAL PRODUCTS-----	1,335	74		1,247	14	
3511 MACHINERY, EXCEPT ELECTRICAL-----	491	45		794	52	
3611 ELECTRICAL MACH AND EQUIP-----	237	235			2	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	50			90		
3731 SHIPS AND BOATS-----	22				22	
3811 INSIP, TIME, PHOTO, DRY GOODS-----	29	29				
3911 MISC MANUFACTURED PRODUCTS-----	1,241	340		336	25	
4012 NONFERROUS METAL SCRAP-----	22		22			
4112 COMMODITIES, NEC-----	5,722	12		3,465	2,225	
4119 EMPTY CONTAINERS-----	97				97	

ALASKA DISTRICT

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT				
BETHEL HARBOR, ALASKA-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	98,719		
	1494 GYPSUM, CRUDE AND PLASTERS-----	45		
	2711 MEAT, FRESH, CHILLED, FROZEN-----	1		
	2049 GRAIN MILL PRODUCTS, NEC-----	4		
	2781 ALCOHOLIC BEVERAGES-----	65		
	2794 GROCERIES-----	2,374		
	2799 MISCELLANEOUS FOOD PRODUCTS-----	333		
	2411 LOGS-----	17		
	2414 TIMBER, POSTS, POLES, PILING-----	795		
	2421 LUMBER-----	3,720		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	1,170		
	2491 WOOD MANUFACTURES, NEC-----	322		
	2511 FURNITURE AND FIXTURES-----	67		
	2819 BASIC CHEMICALS AND PROD, NEC-----	6		
	2851 PAINTS-----	15		
	2879 FERTILIZER AND MATERIALS, NEC-----	3		
	2891 MISCELLANEOUS CHEMICAL PROD-----	8		
	2911 GASOLINE-----	11,482		
	2912 JET FUEL-----	20,095		
	2914 DISTILLATE FUEL OIL-----	13,729		
	2921 LIQUEFIED GASES-----	99		
	2951 ASPHALT BUILDING MATERIALS-----	58		
	2991 PETROLEUM AND COAL PROD, NEC-----	12,673		
	3241 BUILDING CEMENT-----	132		
	3251 STRUCTURAL CLAY PRODUCTS-----	12		
	3291 MISC NONMETALLIC MINERAL PROD-----	1,178		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	56		
	3317 IRON AND STEEL PIPE AND TUBE-----	125		
	3411 FABRICATED METAL PRODUCTS-----	825		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	1,189		
	3611 ELECTRICAL MACH AND EQUIP-----	66		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	662		
	3731 SHIPS AND BOATS-----	55		
	3791 MISC TRANSPORTATION EQUIPMENT-----	1		
	4111 IRON AND STEEL SCRAP-----	7		
	4112 COMMODITIES, NEC-----	9,204		
	4119 EMPTY CONTAINERS-----	57		
	TOTAL-----	179,349		
CORDOVA HARBOR, ALASKA-----	0131 FRESH FRUITS AND TREE NUTS-----	6		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	14		
	1121 COAL AND LIGNITE-----	18		
	1491 SALT-----	62		
	2731 FISH AND SHELLFISH, PREPARED-----	737		
	2742 PREPARED ANIMAL FEEDS-----	23		
	2781 ALCOHOLIC BEVERAGES-----	316		
	2794 GROCERIES-----	21		
	2414 TIMBER, POSTS, POLES, PILING-----	79		
	2421 LUMBER-----	339		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	28		
	2491 WOOD MANUFACTURES, NEC-----	27		
	2491 PULP AND PAPER PRODUCTS, NEC-----	12		
	2817 BENZENE AND TOLUENE-----	89		
	2911 GASOLINE-----	4,116		
	2912 JET FUEL-----	2,356		
	2914 DISTILLATE FUEL OIL-----	13,979		
	2918 ASPHALT, TAR, AND BITUMENS-----	6		
	3241 BUILDING CEMENT-----	231		
	3291 MISC NONMETALLIC MINERAL PROD-----	33		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	70		
	3317 IRON AND STEEL PIPE AND TUBE-----	100		
	3411 FABRICATED METAL PRODUCTS-----	1,182		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	35		
	3611 ELECTRICAL MACH AND EQUIP-----	171		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	14		
	3731 SHIPS AND BOATS-----	14		
	3791 MISC TRANSPORTATION EQUIPMENT-----	1		
	3911 MISC MANUFACTURED PRODUCTS-----	10		
	4112 COMMODITIES, NEC-----	2,814		
	TOTAL-----	30,711		
GRAIG HARBOR, ALASKA-----	0141 FRESH AND FROZEN VEGETABLES-----			
	0911 FRESH FISH, EXCEPT SHELLFISH-----			
	2731 FISH AND SHELLFISH, PREPARED-----			
	2781 ALCOHOLIC BEVERAGES-----			
	2794 GROCERIES-----			
	2421 LUMBER-----			
	2491 WOOD MANUFACTURES, NEC-----			
	2911 GASOLINE-----			
	2912 JET FUEL-----			
	2914 DISTILLATE FUEL OIL-----			
	3291 MISC NONMETALLIC MINERAL PROD-----			
	3791 MISC TRANSPORTATION EQUIPMENT-----			
	4112 COMMODITIES, NEC-----			
	TOTAL-----			
ILLIENHAM HARBOR, ALASKA-----	1491 SALT-----			
	2711 MEAT, FRESH, CHILLED, FROZEN-----			
	2781 ALCOHOLIC BEVERAGES-----			
	2794 GROCERIES-----			
	2799 MISCELLANEOUS FOOD PRODUCTS-----			
	2819 BASIC CHEMICALS AND PROD, NEC-----			
	2851 PAINTS-----			
	2879 FERTILIZER AND MATERIALS, NEC-----			
	2891 MISCELLANEOUS CHEMICAL PROD-----			
	2911 GASOLINE-----			
	2912 JET FUEL-----			
	2914 DISTILLATE FUEL OIL-----			
	2921 LIQUEFIED GASES-----			
	2951 ASPHALT BUILDING MATERIALS-----			
	2991 PETROLEUM AND COAL PROD, NEC-----			
	3241 BUILDING CEMENT-----			
	3251 STRUCTURAL CLAY PRODUCTS-----			
	3291 MISC NONMETALLIC MINERAL PROD-----			
	3315 IRON, STEEL SHAPES, EXC SHEET-----			
	3317 IRON AND STEEL PIPE AND TUBE-----			
	3411 FABRICATED METAL PRODUCTS-----			
	3511 MACHINERY, EXCEPT ELECTRICAL-----			
	3611 ELECTRICAL MACH AND EQUIP-----			
	3711 MOTOR VEHICLES, PARTS, EQUIP-----			
	3731 SHIPS AND BOATS-----			
	3791 MISC TRANSPORTATION EQUIPMENT-----			
	3911 MISC MANUFACTURED PRODUCTS-----			
	4112 COMMODITIES, NEC-----			
	TOTAL-----			

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WATERBORNE COMMERCE OF THE UNITED STATES CALENDAR YEAR 2/2
1980 PART 4 WATERM. (U) CORPS OF ENGINEERS FORT BELVOIR
VA WATER RESOURCES SUPPORT CE. . SEP 82 WRSC-WCUS-80-4

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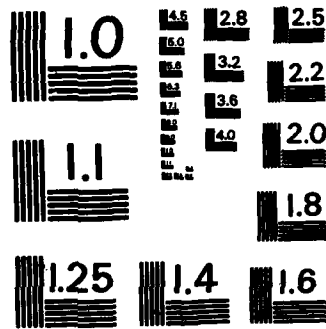
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WATERBORNE COMMERCE OF THE UNITED STATES, 1980

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
DILLINGHAM HARBOR, ALASKA (CONTINUED)-----	2421 LUMBER-----	1,637	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	238	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	143	-----	-----
	2511 FURNITURE AND FIXTURES-----	27	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	617	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	4	-----	-----
	2851 PAINTS-----	16	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	7	-----	-----
	2911 GASOLINE-----	3,292	-----	-----
	2914 DISTILLATE FUEL OIL-----	6,183	-----	-----
	2915 RESIDUAL FUEL OIL-----	995	-----	-----
	2921 LIQUEFIED GASES-----	82	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	46	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	223	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	2	-----	-----
	3241 BUILDING CEMENT-----	846	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	384	-----	-----
	3319 IRON, STEEL SHAPES, EXC SHEET-----	6	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	557	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	466	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	18	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	468	-----	-----
	3731 SHIPS AND BOATS-----	1,236	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	122	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	19	-----	-----
	4112 COMMODITIES, NEC-----	4,178	-----	-----
	4119 EMPTY CONTAINERS-----	30	-----	-----
	TOTAL-----	25,646	-----	-----
DOUBLAS HARBOR, ALASKA-----	NO COMMERCE REPORTED			
DRY PASS, ALASKA-----	NO COMMERCE REPORTED			
EGEGIK RIVER, ALASKA-----	1491 SALT-----	163	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	1,377	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	31	-----	-----
	2094 GROCERIES-----	84	-----	-----
	2421 LUMBER-----	20	-----	-----
	2491 PULP AND PAPER PRODUCTS, NEC-----	67	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	1	-----	-----
	2851 PAINTS-----	1	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	1	-----	-----
	2901 PETROLEUM AND COAL PROD, NEC-----	2	-----	-----
	3241 BUILDING CEMENT-----	3	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	594	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	38	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	29	-----	-----
	3731 SHIPS AND BOATS-----	17	-----	-----
	4112 COMMODITIES, NEC-----	266	-----	-----
	TOTAL-----	2,634	-----	-----
ELFIN COVE HARBOR, ALASKA-----	2911 GASOLINE-----	63	-----	-----
	2914 DISTILLATE FUEL OIL-----	367	-----	-----
	TOTAL-----	430	-----	-----
HOHER, ALASKA-----	0151 LIVE ANIMALS-----	118	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,317	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	700	-----	-----
	1491 SALT-----	84	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	3,148	-----	-----
	2211 BASIC TEXTILE PRODUCTS-----	17	-----	-----
	2411 LOGS-----	3,225	-----	-----
	2416 WOOD CHIPS, STAVES, HOLDINGS-----	17,769	-----	-----
	2421 LUMBER-----	84	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	94	-----	-----
	2817 BENZENE AND TOLUENE-----	44	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	110,018	-----	-----
	2911 GASOLINE-----	4,677	-----	-----
	2912 JET FUEL-----	1,919	-----	-----
	2914 DISTILLATE FUEL OIL-----	9,869	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	83	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	290	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	3,626	-----	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	560	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	77	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	36	-----	-----
	4112 COMMODITIES, NEC-----	936	-----	-----
	TOTAL-----	158,673	-----	11,572
HOONAH HARBOR, ALASKA-----	0011 FRESH FISH, EXCEPT SHELLFISH-----	55	-----	-----
	1491 SALT-----	12	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	8	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	22	-----	-----
	2034 VEGETABLES AND PREP, NEC-----	14	-----	-----
	2094 GROCERIES-----	4	-----	-----
	2421 LUMBER-----	16	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	16	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	16	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	34	-----	-----
	2911 GASOLINE-----	467	-----	-----
	2912 JET FUEL-----	152	-----	-----
	2914 DISTILLATE FUEL OIL-----	3,587	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	16	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	15	-----	-----

ALASKA DISTRICT

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS	
PROJECT--CONTINUED					
MOONAH HARBOR, ALASKA (CONTINUED)	3911 MACHINERY, EXCEPT ELECTRICAL	895			
	4112 COMMODITIES, NEC	943			
	TOTAL	6,272		9,473	
JUNEAU HARBOR, ALASKA	0122 HAY AND FODDER	220			
	0133 COFFEE	2			
	0141 FRESH AND FROZEN VEGETABLES	25			
	0161 ANIMALS AND PRODUCTS, NEC	67			
	0911 FRESH FISH, EXCEPT SMELLFISH	1,767			
	0912 SMELLFISH, EXCEPT PREPARED	987			
	1091 NONFERROUS ORES; CONCENT, NEC	104			
	1442 SAND, GRAVEL, CRUSHED ROCK	5,447			
	1491 SALT	819			
	1494 GYPSUM, CRUDE AND PLASTERS	64			
	2031 FISH AND SMELLFISH, PREPARED	2,319			
	2042 PREPARED ANIMAL FEEDS	46			
	2049 GRAIN MILL PRODUCTS, NEC	673			
	2081 ALCOHOLIC BEVERAGES	5,317			
	2094 GROCERIES	13,090			
	2099 MISCELLANEOUS FOOD PRODUCTS	10,140			
	2411 LOGS	10,030			
	2414 TIMBER, POSTS, POLES, PILING	697			
	2421 LUMBER	7,327			
	2431 VENEER, PLYWOOD, WORKED WOOD	2,350			
	2491 WOOD MANUFACTURES, NEC	860			
	2511 FURNITURE AND FIXTURES	1,299			
	2611 PULP	140			
	2621 STANDARD NEWSPRINT PAPER	1,190			
	2631 PAPER AND PAPERBOARD	286			
	2691 PULP AND PAPER PRODUCTS, NEC	59			
	2819 BASIC CHEMICALS AND PROD, NEC	360			
	2821 PLASTIC MATERIALS	17			
	2851 PAINTS	577			
	2871 NITROGENOUS CHEM FERTILIZERS	39			
	2879 FERTILIZER AND MATERIALS, NEC	167			
	2891 MISCELLANEOUS CHEMICAL PROD	92			
	2911 GASOLINE	22,173			
	2912 JET FUEL	7,749			
	2914 DISTILLATE FUEL OIL	34,462			
	2914 LUBRICATING OILS AND GREASES	5			
	2918 ASPHALT, TAR, AND PITCHES	2,070			
	2921 LIQUEFIED GASES	1,466			
	2951 ASPHALT BUILDING MATERIALS	1,058			
	2991 PETROLEUM AND COAL PROD, NEC	912			
	3011 RUBBER AND MISC PLASTIC PROD	73			
	3041 BUILDING CEMENT	5,729			
	3291 STRUCTURAL CLAY PRODUCTS	192			
	3271 LIME	41			
	3291 MISC NONMETALLIC MINERAL PROD	4,760			
	3319 IRON, STEEL SHAPES, EXC SHEET	434			
	3317 IRON AND STEEL PIPE AND TUBE	760			
	3319 IRON AND STEEL PRODUCTS, NEC	627			
	3321 NONFERROUS METALS, NEC	9			
	3411 FABRICATED METAL PRODUCTS	3			
	3911 MACHINERY, EXCEPT ELECTRICAL	5,131			
	3611 ELECTRICAL MACH AND EQUIP	326			
	3711 MOTOR VEHICLES, PARTS, EQUIP	3,529			
	3721 AIRCRAFT AND PARTS	1			
	3731 SHIPS AND BOATS	415			
	3791 MISC TRANSPORTATION EQUIPMENT	1,995			
	3011 MISC MANUFACTURED PRODUCTS	10			
	4011 IRON AND STEEL SCRAP	2,340			
	4112 COMMODITIES, NEC	11,910			
	4119 EMPTY CONTAINERS	1,204			
	TOTAL		179,619		100,277
	KAKE HARBOR, ALASKA	0911 FRESH FISH, EXCEPT SMELLFISH	1		
		2081 ALCOHOLIC BEVERAGES	19		
2094 GROCERIES		24			
2417 RAFTED LOGS		50,996			
2421 LUMBER		22			
2491 WOOD MANUFACTURES, NEC		22			
2891 MISCELLANEOUS CHEMICAL PROD		91			
2911 GASOLINE		339			
2912 JET FUEL		78			
2914 DISTILLATE FUEL OIL		1,372			
2919 RESIDUAL FUEL OIL		29			
3291 MISC NONMETALLIC MINERAL PROD		22			
3411 FABRICATED METAL PRODUCTS		1			
3911 MACHINERY, EXCEPT ELECTRICAL	104				
4112 COMMODITIES, NEC	746				
TOTAL		61,662		4,852	
KING COVE, ALASKA	0912 SMELLFISH, EXCEPT PREPARED	197			
	1491 SALT	492			
	2011 MEAT, FRESH, CHILLED, FROZEN	75			
	2031 FISH AND SMELLFISH, PREPARED	2,811			
	2034 VEGETABLES AND PREP, NEC	118			
	2094 GROCERIES	2			
	2414 TIMBER, POSTS, POLES, PILING	200			
	2421 LUMBER	10			
	2691 PULP AND PAPER PRODUCTS, NEC	342			
	2911 GASOLINE	203			
2914 DISTILLATE FUEL OIL	5,908				
2991 PETROLEUM AND COAL PROD, NEC	56				

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
KING COVE, ALASKA (CONTINUED)-----	3411 FABRICATED METAL PRODUCTS-----	344	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	625	-----	-----
	3711 MOTOR VEHICLES, PARTS; EQUIP-----	43	-----	-----
	3731 SHIPS AND BOATS-----	88	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	614	-----	-----
	4112 COMMODITIES, NEC-----	1,976	-----	-----
	4119 EMPTY CONTAINERS-----	46	-----	-----
	TOTAL-----	13,430	-----	394
NARNEK RIVER, ALASKA-----	0011 FRESH FISH, EXCEPT SHELLFISH-----	652	-----	-----
	1491 SALT-----	436	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	2	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	10,908	-----	-----
	2034 VEGETABLES AND PREP, NEC-----	5	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	249	-----	-----
	2094 GROCERIES-----	440	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	146	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	427	-----	-----
	2421 LUMBER-----	642	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	91	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	201	-----	-----
	2511 FURNITURE AND FIXTURES-----	1	-----	-----
	2691 PULP AND PAPER PRODUCTS, NEC-----	263	-----	-----
	2813 ALCOHOLS-----	710	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	9	-----	-----
	2851 PAINTS-----	2	-----	-----
	2871 NITROGENOUS CHEM FERTILIZERS-----	2	-----	-----
	2911 GASOLINE-----	6,054	-----	-----
	2912 JET FUEL-----	10,302	-----	-----
	2914 DISTILLATE FUEL OIL-----	11,153	-----	-----
	2921 LIQUEFIED GASES-----	122	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	160	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	4	-----	-----
	3241 BUILDING CEMENT-----	41	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	169	-----	-----
	3314 IRON AND STEEL PRIMARY FORMS-----	35	-----	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	1	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	72	-----	-----
	3322 COPPER ALLOYS, UNWORKED-----	50	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	4,203	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	777	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	46	-----	-----
	3711 MOTOR VEHICLES, PARTS; EQUIP-----	259	-----	-----
	3731 SHIPS AND BOATS-----	1,746	-----	-----
	3791 MISC TRANSPORTATION EQUIPMENT-----	83	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	40	-----	-----
	4112 COMMODITIES, NEC-----	1,314	-----	-----
	4119 EMPTY CONTAINERS-----	235	-----	-----
	TOTAL-----	52,052	419,217	-----
NINILCHIK HARBOR, ALASKA-----	NO COMMERCE REPORTED			
NOME HARBOR, ALASKA-----	1499 NONMETALLIC MINERALS, NEC-----	162	-----	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	9	-----	-----
	2031 FISH AND SHELLFISH, PREPARED-----	197	-----	-----
	2081 ALCOHOLIC BEVERAGES-----	593	-----	-----
	2094 GROCERIES-----	1,038	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	176	-----	-----
	2411 LOGS-----	7	-----	-----
	2414 TIMBER, POSTS, POLES, PILING-----	31	-----	-----
	2421 LUMBER-----	1,937	-----	-----
	2431 VENEER, PLYWOOD, WORKED WOOD-----	131	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	79	-----	-----
	2511 FURNITURE AND FIXTURES-----	26	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	16	-----	-----
	2841 SOAP-----	5	-----	-----
	2851 PAINTS-----	4	-----	-----
	2891 MISCELLANEOUS CHEMICAL PROD-----	9	-----	-----
	2911 GASOLINE-----	5,214	-----	-----
	2912 JET FUEL-----	11,968	-----	-----
	2914 DISTILLATE FUEL OIL-----	10,491	-----	-----
	2921 LIQUEFIED GASES-----	5	-----	-----
	2951 ASPHALT BUILDING MATERIALS-----	2	-----	-----
	2991 PETROLEUM AND COAL PROD, NEC-----	6	-----	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	1	-----	-----
	3241 BUILDING CEMENT-----	68	-----	-----
	3291 STRUCTURAL CLAY PRODUCTS-----	2	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	91	-----	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	5	-----	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	9	-----	-----
	3411 FABRICATED METAL PRODUCTS-----	187	-----	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	573	-----	-----
	3611 ELECTRICAL MACH AND EQUIP-----	16	-----	-----
	3711 MOTOR VEHICLES, PARTS; EQUIP-----	278	-----	-----
	3731 SHIPS AND BOATS-----	19	-----	-----
	4029 WASTE AND SCRAP, NEC-----	58	-----	-----
	4111 WATER-----	6,723	-----	-----
	4112 COMMODITIES, NEC-----	2,953	-----	-----
	4119 EMPTY CONTAINERS-----	9	-----	-----
	TOTAL-----	47,906	-----	-----
OLD HARBOR, ALASKA-----	0191 LIVE ANIMALS-----	110	-----	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	41	-----	-----
	2491 WOOD MANUFACTURES, NEC-----	2	-----	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	1	-----	-----

ALASKA DISTRICT

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
OLD HARBOR, ALASKA (CONTINUED)	2911 GASOLINE	46		
	2912 JET FUEL	329		
	2914 DISTILLATE FUEL OIL	338		
	3711 MOTOR VEHICLES, PARTS, EQUIP	4		
	4112 COMMODITIES, NEC	4		
	TOTAL	675		
PELICAN HARBOR, ALASKA	0141 FRESH AND FROZEN VEGETABLES	237		
	0911 FRESH FISH, EXCEPT SHELLFISH	1,669		
	0912 SHELLFISH, EXCEPT PREPARED	21		
	2031 FISH AND SHELLFISH, PREPARED	678		
	2091 ALCOHOLIC BEVERAGES	15		
	2094 GROCERIES	19		
	2421 LUMBER	61		
	2911 GASOLINE	146		
	2912 JET FUEL	362		
	2914 DISTILLATE FUEL OIL	1,844		
	3317 RESIDUAL FUEL OIL	46		
	3411 FABRICATED METAL PRODUCTS	2		
	4112 COMMODITIES, NEC	934		
	TOTAL	6,022		333
PETERSBURG HARBOR, ALASKA	0141 FRESH AND FROZEN VEGETABLES	19		
	0161 ANIMALS AND PRODUCTS, NEC	382		
	0191 MISCELLANEOUS FARM PRODUCTS	61		
	0911 FRESH FISH, EXCEPT SHELLFISH	2,351		
	1491 SALT	227		
	2031 FISH AND SHELLFISH, PREPARED	13,259		
	2049 GRAIN MILL PRODUCTS, NEC	27		
	2091 ALCOHOLIC BEVERAGES	552		
	2094 GROCERIES	2,068		
	2099 MISCELLANEOUS FOOD PRODUCTS	1,714		
	2412 RAFTED LOGS	36,441		
	2414 TIMBER, POSTS, POLES, PILING	74		
	2416 WOOD CHIPS, STAVES, HOLDINGS	16,712		
	2421 LUMBER	1,763		
	2431 VENEER, PLYWOOD, WORKED WOOD	101		
	2491 WOOD MANUFACTURES, NEC	59		
	2911 FURNITURE AND FIXTURES	104		
	2631 PAPER AND PAPERBOARD	25		
	2691 PULP AND PAPER PRODUCTS, NEC	85		
	2819 BASIC CHEMICALS AND PROD, NEC	50		
	2891 PAINTS	178		
	2879 FERTILIZER AND MATERIALS, NEC	13		
	2891 MISCELLANEOUS CHEMICAL PROD	10		
	2911 GASOLINE	2,219		
	2912 JET FUEL	694		
	2914 DISTILLATE FUEL OIL	13,147		
	2921 LIQUEFIED GASES	333		
	2931 ASPHALT BUILDING MATERIALS	63		
	2991 PETROLEUM AND COAL PROD, NEC	821		
	3011 RUBBER AND MISC PLASTIC PROD	7		
	3241 BUILDING CEMENT	662		
	3291 STRUCTURAL CLAY PRODUCTS	15		
	3291 MISC NONMETALLIC MINERAL PROD	196		
	3321 NONFERROUS METALS, NEC	1		
	3411 FABRICATED METAL PRODUCTS	650		
	3511 MACHINERY, EXCEPT ELECTRICAL	985		
	3611 ELECTRICAL MACH AND EQUIP	43		
	3711 MOTOR VEHICLES, PARTS, EQUIP	128		
	3731 SHIPS AND BOATS	71		
	3791 MISC TRANSPORTATION EQUIPMENT	104		
	3911 MISC MANUFACTURED PRODUCTS	1		
	4011 IRON AND STEEL SCRAP	4		
	4112 COMMODITIES, NEC	1,953		
	4119 EMPTY CONTAINERS	73		
	TOTAL	98,390		30,720
PORT ALEXANDER, ALASKA	2031 FISH AND SHELLFISH, PREPARED	238		
	2094 GROCERIES	46		
	2911 GASOLINE	59		
	2912 JET FUEL	34		
	2914 DISTILLATE FUEL OIL	391		
	4112 COMMODITIES, NEC	71		
	TOTAL	839		
SELDOVIA HARBOR, ALASKA	2031 FISH AND SHELLFISH, PREPARED	33		
	2911 GASOLINE	375		
	2912 JET FUEL	345		
	2914 DISTILLATE FUEL OIL	3,135		
	TOTAL	3,888		4,928
SEWARD HARBOR, ALASKA	0911 FRESH FISH, EXCEPT SHELLFISH	1,063		
	0912 SHELLFISH, EXCEPT PREPARED	1,695		
	2031 FISH AND SHELLFISH, PREPARED	386		
	2411 LOGS	40,978		
	2412 RAFTED LOGS	21,474		
	2416 WOOD CHIPS, STAVES, HOLDINGS	53,160		
	2911 GASOLINE	1,847		
	2912 JET FUEL	684		
	2914 DISTILLATE FUEL OIL	11,330		
	3317 IRON AND STEEL PIPE AND TUBE	5,330		
	3511 MACHINERY, EXCEPT ELECTRICAL	788		
	TOTAL	137,849		9,177

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
STIKINE RIVER, ALASKA-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	5,600		
NONPROJECT				
OTHER SOUTHEASTERN ALASKA PORTS (NET)-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	807		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	5,697		
	1499 NONMETALLIC MINERALS, NEC-----	23,292		
	2031 FISH AND SHELLFISH, PREPARED-----	5,046		
	2049 GRAIN MILL PRODUCTS, NEC-----	11		
	2081 ALCOHOLIC BEVERAGES-----	103		
	2094 GROCERIES-----	328		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	1		
	2411 LOGS-----	147,700		
	2412 RAFTED LOGS-----	1,648,809		
	2414 TIMBER, POSTS, POLES, PILING-----	77		
	2416 WOOD CHIPS, STAVES, HOLDINGS-----	135,408		
	2421 LUMBER-----	45,551		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	2		
	2491 WOOD MANUFACTURES, NEC-----	360		
	2511 FURNITURE AND FIXTURES-----	5		
	2621 STANDARD NEWSPRINT PAPER-----	1		
	2631 PAPER AND PAPERBOARD-----	9		
	2691 PULP AND PAPER PRODUCTS, NEC-----	19		
	2819 BASIC CHEMICALS AND PROD, NEC-----	21		
	2901 MISCELLANEOUS CHEMICAL PROD-----	4,909		
	2911 GASOLINE-----	14,223		
	2912 JET FUEL-----	22,838		
	2914 DISTILLATE FUEL OIL-----	43,793		
	2915 RESIDUAL FUEL OIL-----	2,750		
	2916 LUBRICATING OILS AND GREASES-----	4		
	2918 ASPHALT, TAR, AND PITCHES-----	164		
	2921 LIQUEFIED GASES-----	7		
	2991 PETROLEUM AND COAL PROD, NEC-----	2,963		
	3241 BUILDING CEMENT-----	126		
	3291 STRUCTURAL CLAY PRODUCTS-----	39		
	3291 MISC NONMETALLIC MINERAL PROD-----	530		
	3317 IRON AND STEEL PIPE AND TUBE-----	747		
	3319 IRON AND STEEL PRODUCTS, NEC-----	190		
	3321 NONFERROUS METALS, NEC-----	240		
	3411 FABRICATED METAL PRODUCTS-----	797		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	8,641		
	3611 ELECTRICAL MACH AND EQUIP-----	4		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	967		
	3731 SHIPS AND BOATS-----	55		
	3791 MISC TRANSPORTATION EQUIPMENT-----	309		
	3911 MISC MANUFACTURED PRODUCTS-----	8		
	4011 IRON AND STEEL SCRAP-----	500		
	4112 COMMODITIES, NEC-----	9,049		
	4119 EMPTY CONTAINERS-----	21		
	TOTAL-----	2,126,717		377,213
SOUTHERLY SIDE OF ALASKA PENINSULA (NET)-----				
	0911 FRESH FISH, EXCEPT SHELLFISH-----	7,858		
	0912 SHELLFISH, EXCEPT PREPARED-----	2,833		
	1311 CRUDE PETROLEUM-----	4,444,509		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	337		
	1451 CLAY-----	124		
	1491 SALT-----	874		
	1499 NONMETALLIC MINERALS, NEC-----	8		
	2011 MEAT, FRESH, CHILLED, FROZEN-----	231		
	2031 FISH AND SHELLFISH, PREPARED-----	9,535		
	2034 VEGETABLES AND PREP, NEC-----	373		
	2081 ALCOHOLIC BEVERAGES-----	5		
	2094 GROCERIES-----	108		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	121		
	2411 LOGS-----	223,909		
	2412 RAFTED LOGS-----	21,921		
	2414 TIMBER, POSTS, POLES, PILING-----	50		
	2416 WOOD CHIPS, STAVES, HOLDINGS-----	98,724		
	2421 LUMBER-----	2,707		
	2491 WOOD MANUFACTURES, NEC-----	181		
	2621 STANDARD NEWSPRINT PAPER-----	64		
	2691 PULP AND PAPER PRODUCTS, NEC-----	776		
	2817 BENZENE AND TOLUENE-----	91		
	2819 BASIC CHEMICALS AND PROD, NEC-----	20,064		
	2871 NITROGENOUS CHEM FERTILIZERS-----	914,134		
	2901 MISCELLANEOUS CHEMICAL PROD-----	33		
	2911 GASOLINE-----	116,901		
	2912 JET FUEL-----	10,880		
	2914 DISTILLATE FUEL OIL-----	232,164		
	2915 RESIDUAL FUEL OIL-----	936,431		
	2916 LUBRICATING OILS AND GREASES-----	27,031		
	2918 ASPHALT, TAR, AND PITCHES-----	22,367		
	2921 LIQUEFIED GASES-----	970,814		
	2991 PETROLEUM AND COAL PROD, NEC-----	48		
	3241 BUILDING CEMENT-----	3,074		
	3291 MISC NONMETALLIC MINERAL PROD-----	84		
	3411 FABRICATED METAL PRODUCTS-----	1,576		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	6,950		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	108		
	3731 SHIPS AND BOATS-----	57		
	3791 MISC TRANSPORTATION EQUIPMENT-----	201		
	3811 INSTR, TIME, PHOTO, OPT GOODS-----	18		
	3911 MISC MANUFACTURED PRODUCTS-----	1,443		
	4029 WASTE AND SCRAP, NEC-----	448		
	4111 WATER-----	62,005		
	4112 COMMODITIES, NEC-----	12,998		

ALASKA DISTRICT

93/94

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON MILES	PASSENGERS
NONPROJECT--CONTINUED				
SOUTHERLY SIDE OF ALASKA PENINSULA (NET) (CONTINUED)-----	4119 EMPTY CONTAINERS-----	22		
	TOTAL-----	7,754,788		1,144
WHITTIER HARBOR, ALASKA-----	0102 BARLEY AND RYE-----	212		
	0103 CORN-----	198		
	0104 OATS-----	41		
	0129 FIELD CROPS, NEC-----	6		
	0801 FOREST PRODUCTS, NEC-----	49		
	1011 IRON ORE AND CONCENTRATES-----	65		
	1021 COPPER ORE AND CONCENTRATES-----	18		
	1091 NONFERROUS ORES, CONCENT, NEC-----	222		
	1411 LIMESTONE-----	753		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	416		
	1451 CLAY-----	994		
	1491 SALT-----	62		
	1494 GYPSUM, CRUDE AND PLASTERS-----	4,663		
	1499 NONMETALLIC MINERALS, NEC-----	717		
	1911 ORDNANCE AND ACCESSORIES-----	364		
	2021 DAIRY PRODUCTS, NEC-----	378		
	2031 FISH AND SHELLFISH, PREPARED-----	1,293		
	2034 VEGETABLES AND PREP, NEC-----	66		
	2039 PREP FRUIT AND VEG JUICE, NEC-----	128		
	2041 WHEAT FLOUR AND SEMOLINA-----	4,040		
	2042 PREPARED ANIMAL FEEDS-----	9,248		
	2049 GRAIN MILL PRODUCTS, NEC-----	3,503		
	2061 SUGAR-----	1		
	2081 ALCOHOLIC BEVERAGES-----	14,896		
	2091 VEGETABLE OILS, MARG, SHORT-----	159		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	5,635		
	2111 TOBACCO MANUFACTURES-----	628		
	2211 BASIC TEXTILE PRODUCTS-----	378		
	2413 FUEL WOOD, CHARCOAL, WASTES-----	69		
	2414 TIMBER, POSTS, POLES, PILING-----	528		
	2421 LUMBER-----	28,977		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	4,269		
	2491 WOOD MANUFACTURES, NEC-----	1,389		
	2511 FURNITURE AND FIXTURES-----	2,763		
	2621 STANDARD NEWSPRINT PAPER-----	4,462		
	2631 PAPER AND PAPERBOARD-----	634		
	2691 PULP AND PAPER PRODUCTS, NEC-----	1,692		
	2711 PRINTED MATTER-----	2		
	2812 DYES, PIGMENT, TANNING MATS-----	157		
	2813 ALCOHOLS-----	71		
	2818 SULPHURIC ACID-----	672		
	2819 BASIC CHEMICALS AND PROD, NEC-----	6,676		
	2821 PLASTIC MATERIALS-----	793		
	2891 PAINTS-----	697		
	2871 NITROGENOUS CHEM FERTILIZERS-----	1,678		
	2873 PHOSPHATIC CHEM FERTILIZERS-----	989		
	2879 FERTILIZER AND MATERIALS, NEC-----	875		
	2891 MISCELLANEOUS CHEMICAL PROD-----	26,234		
	2911 GASOLINE-----	35,937		
	2912 JET FUEL-----	32,419		
	2914 DISTILLATE FUEL OIL-----	79		
	2916 LUBRICATING OILS AND GREASES-----	62		
	2918 ASPHALT, TAR, AND PITCHES-----	1,106		
	2921 LIQUEFIED GASES-----	2,729		
	2991 PETROLEUM AND COAL PROD, NEC-----	2,915		
	3011 RUBBER AND MISC PLASTIC PROD-----	2,320		
	3211 GLASS AND GLASS PRODUCTS-----	275		
	3241 BUILDING CEMENT-----	9,251		
	3291 STRUCTURAL CLAY PRODUCTS-----	320		
	3271 LIME-----	255		
	3291 MISC NONMETALLIC MINERAL PROD-----	10,655		
	3315 IRON, STEEL SHAPES, EXC SHEET-----	43		
	3316 IRON AND STEEL PLATES, SHEETS-----	34		
	3317 IRON AND STEEL PIPE AND TUBE-----	8,731		
	3411 FABRICATED METAL PRODUCTS-----	26,019		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	14,978		
	3611 ELECTRICAL MACH AND EQUIP-----	980		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	7,066		
	3731 SHIPS AND BOATS-----	151		
	3791 MISC TRANSPORTATION EQUIPMENT-----	130		
	3811 MISC MANUFACTURED PRODUCTS-----	162		
	4011 IRON AND STEEL SCRAP-----	5,189		
	4029 WASTE AND SCRAP, NEC-----	234		
	4112 COMMODITIES, NEC-----	27,238		
	4119 EMPTY CONTAINERS-----	360		
	TOTAL-----	317,984		21,426

Section 2
TRIPS AND DRAFTS OF VESSELS

LOS ANGELES, CALIF., 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
	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					
28 - - - - -	197	20				217	169	49				218	
27 - - - - -	148	67				215	181	25				146	
26 - - - - -	164	36				200	180	100				300	
25 - - - - -	142	23				165	125	29				154	
24 - - - - -	133	22				155	104	39				143	
23 - - - - -	97	16		1		114	74	30		1		113	
22 AND LESS - - - - -	2,026	131	432	233	8	2,830	1,963	149	430	236	9	2,787	
TOTAL - - - - -	3,429	762	433	234	8	4,866	3,259	840	431	236	9	4,775	
PORT HUENEME, CALIF.	INBOUND							OUTBOUND					
37 - - - - -		1				1		1				1	
35 - - - - -		10				10							
34 - - - - -		15				15	1					1	
32 - - - - -	1	1				2							
31 - - - - -	2	1				3	1					1	
30 - - - - -	2					2						2	
29 - - - - -	2					2						2	
28 - - - - -	2					2			1			3	
27 - - - - -	2					2	3		3			6	
26 - - - - -	2					2	4		4			8	
25 - - - - -	6					6	4		6			10	
24 - - - - -	10					10	11		7			18	
23 - - - - -	21					21	7		2			9	
22 - - - - -	23					23	18					18	
21 - - - - -	19					19	30					30	
20 - - - - -	9	1				10	13					13	
19 - - - - -	7					7	5					5	
18 AND LESS - - - - -	154	1	17	14	1	187	130	1	14	11	1	145	
TOTAL - - - - -	262	38	17	14	1	332	249	25	14	11	1	300	
MISSION BAY, CALIF.	NO VESSEL TRIPS REPORTED												
MORRO BAY HARBOR, CALIF.	NO VESSEL TRIPS REPORTED												
NEWPORT BAY HARBOR, CALIF.	NO VESSEL TRIPS REPORTED												
REDONDO BEACH, CALIF. TOTAL, 9 AND LESS - - - - -			5			5			5			5	
SANTA BARBARA HARBOR, CALIF. TOTAL, 10 AND LESS - - - - -	9		1			10	9		1			10	
ENCINA, CALIF. TOTAL, 43 AND LESS - - - - -		28				28		28				28	

* EXCLUDES DOMESTIC FISHING CRAFT.

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

SACRAMENTO, CALIF., 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	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
SAN JOAQUIN RIVER, CALIF.--(CONTINUED)													
17	11	2		UPBOUND			13			DOWNBOUND			
16	9						5	2				2	
15	4		1				5	1				1	
14	2						2		1			1	
13							2						
12 AND LESS	183		58	793	7		1,041	180	1	59	794	8	1,042
TOTAL	541	26	64	708	7		1,234	332	28	62	705	8	1,225
STOCKTON, CALIF.													
30	14	4		INBOUND			19			OUTBOUND			
29	6	4					5	8	1				41
28	4	2	1				9	2					9
27	1						5	3					11
26	2						4	9	2				3
25	9			3			9	2					11
24	4						15	8	1				9
23	4	1					5	6	1				7
22	4						3	4	1				5
21	9						4	2					2
20	14		2				9	7					7
19	18						16	5	1				6
18	13			3	7		13	2	1				5
18 AND LESS	124		15	3	7		149	94	5	14	8	8	129
TOTAL	207	17	18	7	7		296	107	16	16	8	8	245
OLD RIVER, CALIF.													
10				UPBOUND						DOWNBOUND			
8				224			224				49		49
6				72			72				17		17
4			100				100			2			2
3										98	91		189
2											21		21
TOTAL			100	296			396			100	208		398
MIDDLE RIVER, CALIF.													
TOTAL, 11 AND LESS			15	UPBOUND						DOWNBOUND			
				62			77			19	62		77
MOKELUNNE RIVER, CALIF.													
TOTAL, 11 AND LESS			10	UPBOUND						DOWNBOUND			
				39			49			10	35		45

* EXCLUDES DOMESTIC FISHING CRAFT,

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

SAN FRANCISCO, CALIF., 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	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
REDWOOD CITY HARBOR, CALIF.--(CONTINUED)					INBOUND						OUTBOUND	
24	1					3						2
23	1					1						1
22 AND LESS	14		77		136	7					110	7
TOTAL	23		77		136	7					110	7
OAKLAND HARBOR, CALIF.					INBOUND						OUTBOUND	
39	2					2						50
37						2						2
36	0					0						0
35	10					20						37
34	19	1				99						45
33	63	1				64						105
32	86					86						129
31	173	1				174						124
30	197	1				198						134
29	197	1				198						143
28	127	1				128						144
27	144	1				145						184
26	177	2				179						146
25	151	2				153						125
24	115	1				116						109
23	75	1				76						55
22 AND LESS	140	9	973		235	153					933	191
TOTAL	1,703	21	973		235	153	1,918	136	10	933	220	191
RICHMOND HARBOR, CALIF. *					INBOUND						OUTBOUND	
43		8				8						1
41												2
40		4				4						1
38		4				4						5
37		12				12						16
36		16				16						34
35		37				37						41
34		45				45						26
33		21				21						16
32	1	35				36						31
31	5	47				52						42
30	0	30				30						45
29	0	18				18						30
28	12	35				47						38
27	9	19				28						37
26	14	31				45						36
25	16	25				41						44
24	0	19				19						43
23	19	23				42						33
22 AND LESS	441	93	1,231		615	263	2,045	438	122	1,160	993	264
TOTAL	541	526	1,231		615	263	3,176	548	933	1,160	993	264
SAN PAULO BAY AND MARE ISLAND STRAIT, CALIF. *					UPBOUND						DOWNBOUND	
45		2				2						4
44		1				1						
43		1				1						
42		1				1						
41		9				9						
39		3				3						1
38		1				1						5
37		9				9						5
36		21				21						12
35	5	46				51						19
34	10	44				54						69
33	21	39				60						57
32	20	74				94						86
31	20	44			1	65						93
30	15	34				49						100
29	16	34				50						57
28	13	42			1	56						93
27	19	27				46						52
26	30	12				42						63
25	40	20			7	67						81
24	30	15				45						66
23	37	20				57						55
22 AND LESS	694	207	359		913	39	2,172	540	196	303	893	41
TOTAL	938	706	360		921	39	2,964	949	733	303	893	41
CARBUINEZ STRAIT, CALIF. *					UPBOUND						DOWNBOUND	
37		17				17						11
36		13				13						9
35		31				37						28
34	10	40				50						71
33	20	34				54						51
32	21	65				86						75
31	19	34			1	54						74
30	15	32				47						74
29	16	32				48						53
28	13	38			1	52						75

* EXCLUDES DOMESTIC FISHING CRAFT.

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

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		TANKER	
CARQUINEZ STRAIT, CALIF.--(CONTINUED)					UPBOUND					DOWNBOUND				
27	19		14			33	19		15			34		
26	38		12			42	35		33			68		
25	48		20		7	67	46		27			73		
24	38		16			54	46		14			60		
23	37		12			49	33		24			57		
22 AND LESS	648		137	318	820	37	1,980	542	149	273	818	39	1,821	
TOTAL	932		347	319	828	37	2,663	943	361	273	818	39	2,634	
SUISUN BAY CHANNEL, CALIF.					UPBOUND					DOWNBOUND				
37						2			2			2		
36			2			2			3			4		
35			4			1			3			4		
34			1			1			3			4		
33			2			8			4			6		
32	6		2			8			2			6		
31	11		4			15			5			40		
30	17		6		1	24			6			41		
29	7		10			17			9			50		
28	8		8			16			3			28		
27	9		3	1		13			8			37		
26	14		4			18			1			13		
25	11		6			17			8			33		
24	13		4		7	26			10			31		
23	12		3			15			8			30		
22	14		3			17			7			14		
21	18		6			19			4			5		
20	28		3			23			2			15		
19	42		4	6		52			3			18		
18 AND LESS	66		17	190	815	8	1,054	7	12	146	812	11	988	
TOTAL	305		87	197	821	8	1,378	310	94	148	812	11	1,375	
HUMBOLDT HARBOR AND BAY, CALIF.					INBOUND					OUTBOUND				
39						1			1			1		
38			1			1			3			3		
37						1			1			1		
36	2					2			2			2		
35	4					6			6			4		
34	4		2			6			1			7		
33	2		1			3			1			4		
32	4					4			4			4		
31	6					6			1			10		
30	2		1			3			1			10		
29	2					2			4			10		
28	6					6			9			10		
27	4		1			5			9			10		
26	9					9			13			14		
25	11		2			13			10			11		
24	13		4			17			10			13		
23	7		5			12			7			8		
22	13		2			15			4			8		
21	11		1			12			7			9		
20	10		1			11			6			9		
19	10					10			1			3		
18 AND LESS	14			118	12	34	178		1	9	121	4	21	152
TOTAL	118		21	118	12	34	303	114	22	121	4	21	202	
BERKELEY, CALIF.					INBOUND					OUTBOUND				
TOTAL, 9 AND LESS				3	7		10			3			10	
BODEGA BAY, CALIF.					NO VESSEL TRIPS REPORTED									
CRESCENT CITY HARBOR, CALIF.					INBOUND					OUTBOUND				
TOTAL, 16 AND LESS				43			43			48			48	
HALF MOON BAY, CALIF.					NO VESSEL TRIPS REPORTED									
MONTEREY HARBOR, CALIF.					NO VESSEL TRIPS REPORTED									
NAPA RIVER, CALIF.					UPBOUND					DOWNBOUND				
TOTAL, 12 AND LESS				19	74		93			16			102	
NOYO RIVER, CALIF.					NO VESSEL TRIPS REPORTED									
Petaluma River, CALIF.					UPBOUND					DOWNBOUND				
TOTAL, 8 AND LESS				25	66		91			25			75	
SAN RAFAEL CREEK, CALIF.					NO VESSEL TRIPS REPORTED									
SANTA CRUZ HARBOR, CALIF.					NO VESSEL TRIPS REPORTED									
SUISUN CHANNEL, CALIF.					NO VESSEL TRIPS REPORTED									

* EXCLUDES DOMESTIC FISHING CRAFT.

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

SAN FRANCISCO, CALIF., 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
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
OTHER SAN FRANCISCO BAY AREA PORTS, CALIF. TOTAL, 49 AND LESS - - - - -	5	417	437	1,856	29	1,944	8	397	435	1,874	29	1,943
<p style="text-align: center;">* EXCLUDES DOMESTIC FISHING CRAFT.</p>												

PACIFIC OCEAN DIVISION

105

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	
HILO HARBOR, HAWAII, HAWAII	INBOUND						OUTBOUND					
34							3					3
33							6					6
32							5					5
31							2					2
30							7					7
29							2	1				3
28							1					1
27							4					4
26							2					2
25							4					4
24							4					4
23							5					5
22							4					4
21							4					4
20							9					9
19							7					7
18 AND LESS-	82		297	224	30	636	92	3	308	217	29	609
TOTAL-	129	18	297	236	30	710	181	16	313	238	29	684
MAHAIAE HARBOR, HAWAII, HAWAII	INBOUND						OUTBOUND					
38							1					1
37							3					3
36							3					3
35							1					1
34							1	1				2
33							1					1
32	1					1	1					2
31							1					1
30							1					1
29	1					1	1					2
28							1					1
27							2					2
26							1					1
25							1	1				2
24							1					1
23							1					1
22	2					2						2
21	3					3						3
20	4					4						4
19	2					2						2
18 AND LESS-	1		167	108	6	282	2		157	185	6	270
TOTAL-	14	3	167	108	6	298	17	3	157	185	6	288
KAHULUI HARBOR, MAUI, HAWAII	INBOUND						OUTBOUND					
32	1					1	11					11
31	2					2	5					5
30	5					5	5					5
29	4					4	2	1				3
28	9					9	3	1				4
27	2					2	7					7
26	6					6	9					9
25	2					2	4					4
24	5					5	7					7
23	5					5	2					4
22	1					1	6					6
21	2					2	1			66		67
20	2					2	4					4
19	8					8	5	4		1		10
18 AND LESS-	68	6	380	293	40	787	96	1	481	299	37	794
TOTAL-	129	22	380	361	40	928	125	19	481	366	37	944
BARBERS POINT HARBOR, OAHU, HAWAII	INBOUND						OUTBOUND					
43		95				95		1				1
42		4				4						4
41		9				9						9
40		1				1		1				1
39		1				1						1
38								3				3
37								1				1
36								1				1
35								2				2
34								5				5
33								4				4
32								29				29
31								3				3
30								4				4
29								8				8
28								5				5
27								4				4
26								4				4
25								4				4
24								4				4
23								1				1
22								2				2
21								3				3
20								1				1
19								2				2
18								1				1
17								2				2
16								39				39
15								1				1
14								2				2
13								39				39
12 AND LESS-	71	1	123		26	221	71		120		29	214
TOTAL-	71	80	164	1	26	342	71	80	198	1	29	335

* EXCLUDES DOMESTIC FISHING CRAFT.

PACIFIC OCEAN DIVISION

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	
HONOLULU HARBOR, OAHU, HAWAII		INBOUND						OUTBOUND					
	37	1	1				2		2				2
	35	6	2				8						4
	34	22	20				42	4	3				27
	33	68	8				76	13	3				16
	32	43	1				44	18					18
	31	34	1				35	22	1				23
	30	57	3				60	67	8				75
	29	44	2				46	26	9				35
	28	37	1				38	41	3				44
	27	37	4				41	36	7				43
	26	27	1				28	67	9				72
	25	29	2				31	43	2				48
	24	18	3				23	31	2				33
	23	19	1				20	29	3				28
	22	24	2		139		161	29	2		139		178
	21	12	4				16	16	3				17
	20	12	3		4		20	13	3				21
	19	17	1		5		20	18	1				25
	18 AND LESS	2,723	9	1,707	1,299	104	5,816	2,766	9	1,679	1,291	113	5,858
	TOTAL	3,238	67	1,716	1,428	104	6,537	3,259	67	1,689	1,431	113	6,559
HAMILIWI HARBOR, KAUAI, HAWAII		INBOUND						OUTBOUND					
	34							2					2
	33							4					4
	32							1					1
	30							1					1
	28								1				1
	25	3					3	1		1			1
	24	2	1				3		1				1
	23							1			1		3
	22	1			48		49	1	1		49		50
	21	1	2				3	1					1
	20	1			1		2	1	1				2
	19	2	1		1		4	1	1		2		3
	18 AND LESS	44	6	213	119	23	405	43	3	212	116	20	394
	TOTAL	54	10	213	169	23	469	94	10	212	168	20	464
HANA HARBOR, MAUI, HAWAII		NO VESSEL TRIPS REPORTED											
KAILUA HARBOR, OAHU, HAWAII		NO VESSEL TRIPS REPORTED											
KALAUPAPA HARBOR, MOLOKAI, HAWAII													
	TOTAL, 12 AND LESS			6	4		10			6			9
KAUNAKAKAI HARBOR, MOLOKAI, HAWAII													
	TOTAL, 22 AND LESS			335	313	2	650			334	311	2	647
PORT ALLEN HARBOR, KAUAI, HAWAII													
	TOTAL, 24 AND LESS	1	3	93	52	1	152	1	4	94	52	1	152
WAKE ISLAND HARBOR, WAKE ISLAND		NO VESSEL TRIPS REPORTED											
WELLS HARBOR, MIDWAY ISLAND													
	TOTAL, 16 AND LESS			5	3		8			5			8
* EXCLUDES DOMESTIC FISHING CRAFT.													

WALLA WALLA, WASH., DISTRICT

107

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)														
COLUMBIA RIVER AND TRIBUTARIES ABOVE McNARY LOCK AND DAM TO KENNEWICK, WASH.														
				UPBOUND							DOWNBOUND			
14				47	9	52					142	9	147	
13				28	6	36					491	2	493	
12 AND LESS	11		3,116	1,646	982	9,799	19		3,200		1,894	1,872	9,541	
TOTAL	11		3,116	1,721	999	9,843	19		3,200		1,897	1,879	6,181	
SNAKE RIVER, OREG., WASH., AND IDAHO														
				UPBOUND							DOWNBOUND			
19				9		9					36		36	
14				7		7					98	9	63	
13				7		7					435	2	437	
12				387	120	919			318		349	281	880	
11				912	1	913					26	11	387	
10				847	9	866			848		929	3	1,372	
9				110	42	203			159		30	99	284	
8				327	119	446			289		48	19	392	
7				28	4	32			16		26		44	
6				20	9	30			12		19	1	28	
5				78	44	132			70		7	18	95	
4	7			78	78	91			201		11		212	
3	40		224	860		1,132	24		224		22	6	276	
2				439	273	712					26	181	287	
1				2		2					2		2	
TOTAL	47		2,925	1,520	602	4,694	24		2,479		1,622	598	4,683	

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	
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.--(CONTINUED)												
				UPBOUND						DOWNBOUND		
23 -	113	18				131	92	12				64
22 -	137	6			2	143	93	13		1		67
21 -	171	5	1		1	178	69	13		1		84
20 -	169	7	38		93	264	62	29	47	2		146
19 -	176	4	14		9	199	31	9	29			68
18 AND LESS--	5,088	18	32,693		7,697	50,199	5,137	43	28,192	6,778	4,428	44,942
TOTAL--	6,881	343	32,708		7,771	52,379	6,933	286	28,228	6,776	4,428	46,635
SKIPANON CHANNEL, OREG.												
				UPBOUND						DOWNBOUND		
9 -			16			16			24	1		25
8 -										3		3
7 -			257			257			234	144		398
6 -			97			97			187	13		199
4 -			1			1			1			1
2 -				143	3	146						
1 -				2		2						
TOTAL--			371	145	3	519			366	161		527
YOUNGS BAY AND YOUNGS RIVER, OREG.												
				UPBOUND						DOWNBOUND		
10 -			3			3			9	6		11
9 -			48			48			37			37
8 -			2			2			4			4
7 -			413			413			343	1		344
6 -			414			414			380			380
5 -			1			1			7			7
4 -	1					1	1			2		3
3 -		2		6		8			2			2
2 -				3		3				2		2
TOTAL--	1		883	9		893	1		778	11		790
PORT OF ASTORIA, OREG.												
				INBOUND						OUTBOUND		
38 -	1					1						2
37 -	2					2	2					4
36 -	1					1	4					11
35 -	1					1	11					22
34 -	2					2	22					16
33 -	3					3	16					16
32 -	3					3	5					5
31 -	5					5	8					8
30 -	6					6	8					8
29 -	7					7	7					8
28 -	12					12	2					2
27 -	8					8	4					4
26 -	5					5	2					2
25 -	7	1				8	7					7
24 -	13					13	2					2
23 -	19					19	5					5
22 -	33				2	35	6			1		7
21 -	69					69	8					8
20 -	98		32			90	14		38			44
19 -	33		12			45	97		10			67
18 AND LESS--	68		4,313		261	4,912	72		4,272	266	276	4,884
TOTAL--	339	1	4,357	263	278	5,238	271		4,312	267	276	5,124
DEEP RIVER, WASH.												
				UPBOUND						DOWNBOUND		
10 -			2			2						19
9 -			7			7			19			2
8 -			4		2	6				2		214
7 -			238			238			216			159
6 -			199			199			159			3
5 -			7			7			3			2
4 -					2	2						2
3 -			4			4			2			5
2 -	1					1	1			4		
TOTAL--	1		421	4		426	1		395	6		482
PORTS OTHER THAN PORTLAND, ASTORIA, ST. HELENS, LONGVIEW, VANCOUVER AND KALAMA												
TOTAL, 18 AND LESS--	3		9,516	842	447	6,888	3		9,545	869	494	6,911
PORT OF LONGVIEW, WASH.												
				INBOUND						OUTBOUND		
38 -	7	1				8	3					3
37 -	2					2	2					2
36 -	2					2	8		1			8
35 -	6					6	24					24
34 -	2					2	62					62
33 -	9	1				10	91					91
32 -	4					4	99		1			68
31 -	13	3				16	27					27
30 -	11					11	31					31

* EXCLUDES DOMESTIC FISHING CRAFT.

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

PORTLAND, OREG., 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		
PORT OF LONGVIEW, WASH.--(CONTINUED)					INBOUND					OUTBOUND				
	29 -	11	2				13	11						11
	28 -	18	1				19	18						28
	27 -	18					18	13	1					14
	26 -	22					22	13	1					14
	25 -	18	1	2			18	15	2					17
	24 -	19					20	17	2					19
	23 -	21	1				22	7	2					9
	22 -	24					24	1	4					5
	21 -	31					31	3	1					4
	20 -	47					47	5	3					8
	19 -	32					32							
	18 -	29					29	2						2
	17 -	18					18							
	16 -	2					2							
	15 -	2				8	10							
14 -	1			1	2	4				1			1	
13 -	1				94	95							1	
12 AND LESS-	15			5,494	1,282	483	7,274	9	1	5,494	1,817	456	7,187	
TOTAL--	379	13	5,497	1,346	483	7,718	391	20	5,495	1,817	456	7,589		
PORT OF MALANA, WASH.					INBOUND					OUTBOUND				
	37 -													1
	36 -									5				5
	34 -	1					1	11						11
	33 -							5						5
	32 -		1				1							3
	31 -								1					2
	30 -									1				2
	29 -		1				1							2
	28 -	2					2	2						2
	26 -		2				2			1				1
	25 -	2					3							
	24 -	1					3			1				1
	23 -	1					2							
	21 -	2					2							
	20 -	2					1							
19 -	1					1								
18 AND LESS-	2			763	244	58	1,067	1	1	782	247	52	1,083	
TOTAL--	14	10	763	244	58	1,089	29	4	782	247	52	1,114		
PORT OF ST. HELENS, OREG.					INBOUND					OUTBOUND				
	14 -						1				1			1
	12 AND LESS-	1			324	171	2	498	1		294	171	2	468
TOTAL--	1			325	171	2	499	1		295	171	2	469	
MULTNOMAH CHANNEL, OREG.					UPBOUND					DOWNBOUND				
	15 -										2	24	100	100
	12 -						1				1			2
	11 -				43	21	585	649			49		3	52
	10 -				124	232		356			123	85		208
	9 -				383	93	42	528			358	42	1	401
	8 -				151	24		175			145	30		175
	7 -				825	3		828			686	3		689
	6 -				1,400	2		1,402	94		977	3		1,094
	5 -	86			238	9		247			456	2		458
	4 -					55	1	64			296	2		304
	3 -					162		162	6		136	191	385	582
	2 -	6						6			12			12
	1 -													
	TOTAL--	92			2,893	532	548	4,165	100		3,073	951	480	4,213
	OREGON SLOUGH (NORTH PORTLAND HARBOR), OREG.					UPBOUND					DOWNBOUND			
28 -		131					131	131			2			133
18 -					2		2					3		3
17 -					2		2				2			3
15 -					1		2				25			26
13 -					48		48				48			48
11 -					113	111	19	243			88	17		105
10 -					93	24	18	135			73		4	94
9 -					298	42	11	351			279			283
8 -					32	6		44			32	6		36
7 -					19	28		48			30		3	39
6 -					41	7		53			39	29		74
5 -					22	15	4	41			20	8		78
4 -		122				27		150	122		19	22		172
3 -						38		46			39	187	21	197
2 -														107
TOTAL--	253			631	294	75	1,251	253		637	272	74	1,226	
PORT OF VANCOUVER, WASH.					INBOUND					OUTBOUND				
	24 -	10	2				21	4		4				8
	23 -	3					4	3		3				4
	22 -	3	1				3	4		4				4

* EXCLUDED DOMESTIC FISHING CRAFT.

PORTLAND, OREG., DISTRICT

111

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					TOTAL	DIRECTION					TOTAL
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
PORT OF VANCOUVER, WASH.--(CONTINUED)	INBOUND						OUTBOUND					
31	1					1	3				3	
30	3					3	3				3	
29	4					4	5				5	
28	14	1				15	13				13	
27	8					8	7				7	
26	9					9	10		1		10	
25	16					16	15				15	
24	19	1				20	20				20	
23	17	2				19	13		1		14	
22	11					11	13		1		14	
21	13					13	11				11	
20	3					3	14		1	4	19	
19	9					9	5			4	11	
18 AND LESS	27	2	3,348	390	964	4,331	21		3,142	895	535	4,093
TOTAL	179	9	3,348	390	964	4,490	174	0	3,152	395	535	4,264
COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG.	UPBOUND						DOWNBOUND					
15	130			47	5	130	130		22	83	5	214
14			2	20	8					80	5	107
13				18	274					975	2	577
12			174	10	274	466		218	498	331	47	1,007
11			419	2	106	524		453	27	47	527	1,079
10			421	127	107	648		703	717	159	1,579	1,402
9			714	276	154	1,144		770	473	159	1,402	1,527
8			803	66	452	1,417		884	930	183	1,997	1,888
7			1,098	164	3	1,267		787	381			1,669
6 AND LESS	432		3,019	2,750	249	6,449	427	2,910	315	669		4,321
TOTAL	562	0	6,936	3,482	1,358	12,338	957	1	6,749	3,967	1,475	12,349
COLUMBIA RIVER ABOVE THE DALLES DAM, WASH., AND OREG. TO McNARY LOCK AND DAM, OREG., AND WASH.	UPBOUND						DOWNBOUND					
15				47	5					83		83
14				20	8					77		82
13				15	273	914		264	640	336		1,047
12			294	1	105	497		313	27	47		387
11			495	24	13	529		541	570	12		1,122
10			110	114	150	374		132	91	143		366
9			324	4	143	471		357	83	33		473
8			64	9	3	74		54	54			100
7			32	4	3	39		30	22	8		60
6			35	96	11	140		29	9	24		90
5			72	72	7	151		15	15			66
4			241	1,019	1	1,267		230	34	6		261
3			1	592	208	801	11		73	310		383
2												
TOTAL	0	0	1,998	2,029	938	4,913	11	2,817	2,140	928	0	9,096
PORT OF PORTLAND, OREG.	INBOUND						OUTBOUND					
39						1						3
38												7
37												6
36												21
35												45
34												70
33												75
32												79
31												75
30												89
29												74
28												81
27												75
26												88
25												93
24												100
23												39
22												52
21												61
20												66
19												32
18 AND LESS	126		14,530	4,974	4,419	24,099	69	42	14,968	5,115	4,373	24,107
TOTAL	0	0	14,530	4,974	4,419	24,099	69	42	14,968	5,115	4,373	24,107
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.	UPBOUND						DOWNBOUND					
14				41		41						11
13				132		132						410
12				9		9						11
11			216	442	235	893			253	1,393	72	1,718
10			232	933	7	1,172			211	353		964
9			1,001	643	243	1,887			1,109	397	23	1,529
8			343	879	8	1,230			360	510		878
7			94	33	9	136			80	63		143
6			432	71	3	506			783	414		1,117
5				93	1	94			449			2,323
4			2,035	93	1	2,129						

* EXCLUDES DOMESTIC FISHING CRAFT.

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

PORTLAND, OREG., 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	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.--(CONTINUED)					UPBOUND					DOWNBOUND		
3				43	1,195				28	442	203	753
2				79	1,094				111	794	177	1,082
1					49							
TOTAL		11		4,775	5,561	903	10,850	10	4,741	5,225	595	10,531
COOS BAY, OREG.					INBOUND					OUTBOUND		
36		1					1	6				6
35		3					3	8				8
34		3					3	11				11
33		9	1				10	14				14
32		10	4				14	39				60
31		9	5				14	85	1	7		92
30		18	2				20	61				61
29		21	1				22	24	3			27
28		27	1				28	14	1			15
27		18	1				19	6				6
26		25	1				26	3	2			5
25		23	1				24	9	4			9
24		29	2				31	6	3			9
23		28	1				29	1	1			2
22		22	1				22	3	2			5
21		11			1		12	1	1			1
20		19					19		1			1
19		13					13	2	1			3
18		19					19	1	1			3
17		6		1			7			3		3
16		1		31			32			28	1	29
15		2		19			19			17		18
14		2		114	6	4	124	2		115	6	123
13				7	1		8			6		9
12 AND LESS		1		2,562	297	13	2,833	3	2,613	265	14	2,895
TOTAL		320	20	2,732	265	17	3,354	315	20	2,782	276	3,415
COOS AND HILLCOMA RIVERS, OREG.					UPBOUND					DOWNBOUND		
5					110		110			90		90
4					809		809			901		901
3					213		213			94		94
TOTAL				1,136			1,136		1,091			1,091
UNPOUA RIVER, OREG.					UPBOUND					DOWNBOUND		
19				2			2			2		2
14				225			225			205		205
12					3		3			8	1	9
11				2			2					2
10				23	121		144			19		24
9				22	1		23			26		41
8				1			1			1		109
7										108		143
6 AND LESS				311	300	1	612			334	146	480
TOTAL				966	425	1	1,012			509	425	1,015
ALSEA BAY AND RIVER, OREG.					NO VESSEL TRIPS REPORTED							
CHEYCO RIVER, OREG.					UPBOUND					DOWNBOUND		
TOTAL, 12 AND LESS				29	27		96			34	26	60
CHINOOK CHANNEL, WASH.					NO VESSEL TRIPS REPORTED							
CLATSKANIE RIVER, OREG.					UPBOUND					DOWNBOUND		
TOTAL, 6 AND LESS				44	2		46			34	2	36
COLUMBIA RIVER AT BAKERS BAY, WASH.					UPBOUND					DOWNBOUND		
TOTAL, 7 AND LESS				4			4			2		2
COLUMBIA SLOUGH, OREG.					NO VESSEL TRIPS REPORTED							
COQUILLE RIVER, OREG.					UPBOUND					DOWNBOUND		
TOTAL, 12 AND LESS				9	3	1	13			13	1	17
CONLITZ RIVER, WASH.					UPBOUND					DOWNBOUND		
TOTAL, 10 AND LESS				43	92	1	96			49	50	100
DEPOE BAY, OREG.					NO VESSEL TRIPS REPORTED							

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					TOTAL	DIRECTION					TOTAL
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	
SLONGHIN SLOUGH, WASH. TOTAL, 8 AND LESS - - - - -			42		UPBOUND	42			43	DOWNBOUND	43	
GRAYS RIVER, WASH.			NO VESSEL TRIPS REPORTED									
LAKE RIVER, WASH. TOTAL, 8 AND LESS - - - - -	924		6		UPBOUND	937	925	6		DOWNBOUND	936	
LEWIS RIVER, WASH. TOTAL, 7 AND LESS - - - - -			120		UPBOUND	122	2	124		DOWNBOUND	122	
PORT ORFORD, OREG.			NO VESSEL TRIPS REPORTED									
ROGUE RIVER, OREG. TOTAL, 9 AND LESS - - - - -	814		1		UPBOUND	816	814	1		DOWNBOUND	816	
SINGLAW RIVER, OREG. TOTAL, 12 AND LESS - - - - -			295		UPBOUND	300		281		DOWNBOUND	296	
SKANOKAWA CREEK, WASH.			NO VESSEL TRIPS REPORTED									
SKANOKAWA (STEAMBOAT) SLOUGH, WASH. TOTAL, 11 AND LESS - - - - -			20		UPBOUND	21		23		DOWNBOUND	24	
SMITH RIVER, OREG. TOTAL, 6 AND LESS - - - - -			99		UPBOUND	99		114		DOWNBOUND	117	
TILLAMOOK BAY AND BAR, OREG.			NO VESSEL TRIPS REPORTED									
WESTPORT SLOUGH, OREG. TOTAL, 8 AND LESS - - - - -	4,740		2		UPBOUND	4,742	4,740	2		DOWNBOUND	4,742	
YAGUINA BAY AND HARBOR, OREG. TOTAL, 28 AND LESS - - - - -	4		34		UPBOUND	66		39		DOWNBOUND	68	
YAGUINA RIVER, OREG. TOTAL, 12 AND LESS - - - - -			103		UPBOUND	195		141		DOWNBOUND	195	

* EXCLUDES DOMESTIC FISHING CRAFT.

SEATTLE, WASH., DISTRICT

TRIPS AND DRAFTS OF VESSELS*

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	
GRAYS HARBOR AND CEMALIS RIVER, WASH.												
	INBOUND						OUTBOUND					
34	2					2	73					73
33	1					1	31					31
32	1					1	42					42
31	2					2	15					15
30	2					2	19					19
29	5					5	8					8
28	5					5	7					7
27	10					10	8					8
26	7					7	9					9
25	12	1				12						
24	8					8	3					3
23	13					13	4					4
22	21					21	4					4
21	23					23	2					2
20	40					40						
19	34					34						
18	20					20		1				1
17	14					14						
16	3					3						
15	3					3						
14												
13			4			4			2			2
12 AND LESS	660		2,095	463	1	3,218	659		2,067	2		3,182
TOTAL	886	1	2,099	464		3,450	882	1	2,069	458		3,410
MEAN BAY, WASH.												
	INBOUND						OUTBOUND					
15			1			1			1			1
14			13			13			15			15
12									2			2
11				44		44			1			1
10			67		1	68			71			71
9	2		30			32			28			28
8	1		12		1	14			2			2
7												
6 AND LESS					5	5		2		44	1	52
TOTAL	3		124	44	7	178	2	120	44	7		173
PORT ANGELES HARBOR, WASH.												
	INBOUND						OUTBOUND					
37	6	21				27	7	11				18
36	3	2				5	8	2				10
35	6	2				8	7					7
34	2					2	25					25
33	5	1				6	12					12
32	2					2	13	1				14
31	2	1				3	14	1				15
30	4					4	13	1				14
29	1	1				2	6	1				7
28	2	2				4	4	1				4
27	2	1				3	2					2
26	9					9	2					3
25	2					2	1	1				2
24	2	1				3	2	2				4
23	3					3	3				2	5
22	7					7	2				2	5
21	4	1				5	1	1				3
20	10	1	2			13	2	1			1	4
19	26					26	3				1	4
18 AND LESS	238	5	2,236	660	423	3,562	184	19	2,387	644	389	3,619
TOTAL	330	39	2,238	660	423	3,690	309	42	2,387	644	395	3,777
PORT TOWNSEND HARBOR, WASH.												
TOTAL, 22 AND LESS	3,264	5	854	583	46	4,752	3,232	5	905	967	40	4,749
PORT GAMBLE HARBOR, WASH.												
	INBOUND						OUTBOUND					
21												1
19			5			5			6			6
14			3			3			8			8
13			7			7			9			9
12 AND LESS			671	180	16	867			657	208	20	885
TOTAL			686	180	16	882			678	209	20	907
HAMMERSLEY INLET, WASH.												
	INBOUND						OUTBOUND					
11			3		2	5			5			5
10			158	3		161			182		3	258
9			29	21	2	52			76			88
8			139	140		279			66			178
7			17			17			34			7
6 AND LESS			20	9		29			18	19	2	39
TOTAL			416	173	4	593			422	168	5	595

* EXCLUDES DOMESTIC FISHING CRAFT.

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

SEATTLE, WASH., 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	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
EVERETT HARBOR AND SNOHOMISH RIVER, WASH.--(CONTINUED)				INBOUND					OUTBOUND			
19 - - - - -	21					21						
18 AND LESS - - - - -	908	1	9,163	367	154	10,191	463	9,252	249	128	10,092	
TOTAL - - - - -	637	1	9,163	368	154	10,323	645	1	9,252	249	128	10,275
SNOHOMISH CHANNEL, WASH.				NORTHBOUND					SOUTHBOUND			
15 - - - - -								8			8	
14 - - - - -						1		7			1	
13 - - - - -						3		7			7	
12 - - - - -						14		10			10	
11 - - - - -						104		70			71	
10 - - - - -				6		147		136	1		150	
9 - - - - -				1		6		8			9	
8 - - - - -				2		9		7			11	
7 - - - - -						1		1			1	
6 AND LESS - - - - -				775		994		828	2		830	
TOTAL - - - - -			1,051	228		1,279		1,076	22		1,098	
ANACORTES HARBOR, WASH.				INBOUND					OUTBOUND			
36 - - - - -		61				61		5			5	
35 - - - - -		5				5		5			5	
34 - - - - -		10				10	1	11			12	
33 - - - - -		5				5	1	14			15	
32 - - - - -		5				5	2	11			13	
31 - - - - -		6				6	3	9			12	
30 - - - - -		4				4	1	17			18	
29 - - - - -	1	1				2	1	12			13	
28 - - - - -	1	1				2	2	19			21	
27 - - - - -		1				1		7			7	
26 - - - - -	1	2				3	1	9			10	
25 - - - - -	1	1				2		11		1	12	
24 - - - - -	1	2				3	1	3			4	
23 - - - - -		4		1	3	9	2	4		2	8	
22 - - - - -	2	5			3	10		2		1	3	
21 - - - - -		7				7		1			1	
20 - - - - -	2	21	2		2	27		7		2	3	
19 - - - - -		3		1	3	7		1			3	
18 AND LESS - - - - -	34,411	24	1,846	375	328	36,984	34,384	16	1,803	378	423	37,004
TOTAL - - - - -	34,420	168	1,848	377	339	37,152	34,399	164	1,805	378	432	37,178
BELLINGHAM BAY AND HARBOR, WASH.				INBOUND					OUTBOUND			
30 - - - - -	5	2				7	8	3			11	
29 - - - - -	2					2	2	2			4	
28 - - - - -							5	1			6	
27 - - - - -							1				1	
26 - - - - -	1					1	5	2			7	
25 - - - - -	3					3	6				6	
24 - - - - -	6	1				7	2				2	
23 - - - - -	2	2				4	4				4	
22 - - - - -	5					5	1				1	
21 - - - - -	3					3	3	3			6	
20 - - - - -	1	2				3	5	2			7	
19 - - - - -	6	1				7	1	5			6	
18 AND LESS - - - - -	152	14	2,878	765	125	3,934	131	4	2,841	720	105	3,801
TOTAL - - - - -	186	22	2,878	765	125	3,978	174	22	2,841	720	105	3,862
BLAINE HARBOR, WASH.				INBOUND					OUTBOUND			
TOTAL, 13 AND LESS - - - - -			6	3		9		10			13	
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLE FALLS, WASH.				UPBOUND					DOWNBOUND			
TOTAL, 10 AND LESS - - - - -	6,445	4	13	1		6,463	6,445	17	1		6,463	
FLATHEAD LAKE, MONT.				NO VESSEL TRIPS REPORTED								
HOQUIAM RIVER, WASH.				UPBOUND					DOWNBOUND			
TOTAL, 23 AND LESS - - - - -		2	2,197	6		2,199		1	2,139	3	2,143	
KOOTENAI RIVER, IDAHO AND MONT.				NO VESSEL TRIPS REPORTED								
QUILLAYUTE RIVER, WASH.				NO VESSEL TRIPS REPORTED								
SKABIT RIVER, WASH.				UPBOUND					DOWNBOUND			
TOTAL, 12 AND LESS - - - - -			49			49		41			41	
STILLAGUAMISH RIVER, WASH.				NO VESSEL TRIPS REPORTED								

* 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		
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WASH. TOTAL, 14 AND LESS - - - - -			179	NORTHBOUND 84	2	269			689	SOUTHBOUND 41	2	732	
MILLAPA RIVER AND HARBOR, AND NASELLE RIVER, WASH. TOTAL, 20 AND LESS - - - - -	1			INBOUND		1	1			OUTBOUND		1	
COEUR D'ALENE LAKE AND ST. JOE RIVER, IDAHO TOTAL, 0 AND LESS - - - - -			757	UPBOUND		757		768		DOWNBOUND		768	
OTHER PUGET SOUND AREA PORTS, WASH. TOTAL, 91 AND LESS - - - - -	121,201	181	4,978	INBOUND	807	129,000	121,050	173	4,839	OUTBOUND	2,940	726	129,748

* EXCLUDES DOMESTIC FISHING CRAFT.

ALASKA 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
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
NETLAKATLA HARBOR, ALASKA	INBOUND						OUTBOUND					
23	4					4					10	
22	1					1					2	
21	2					2					3	
20	3					3					1	
19	4					4					1	
18											20	
17											37	
16											39	
15											16	
14											97	
13											98	
12											111	
11											435	
10												
9												
8												
7												
6												
5												
4												
3												
2												
TOTAL	392		280	147	29	848	482		277	145	27	851
KETCHIKAN HARBOR, ALASKA	INBOUND						OUTBOUND					
30	7					10						13
29	2					4						5
28												15
27												11
26												33
25												7
24												13
23												3
22												7
21												4
20												19
19												15
18												32
17												20
16												196
15												261
14												155
13												72
12 AND LESS												
TOTAL	13,083	13	619	617	114	14,448	13,247		17	620	131	14,582
WRANGELL HARBOR, ALASKA	INBOUND						OUTBOUND					
27	4					5						8
26												1
25												2
24												2
23												
22												
21												
20												
19												
18												
17												
16												
15												
14												
13												
12 AND LESS												
TOTAL	324		166	222	45	757	313		194	228	41	736
WRANGELL NARROWS, ALASKA	UPBOUND						DOWNBOUND					
27						1						1
24												
23												
21												
20												
19												
18												
17												
16												
15												
14												
13												
12 AND LESS												
TOTAL	416	7	938	392	221	1,566	376	8	379	265	139	1,167
SITKA HARBOR, ALASKA	INBOUND						OUTBOUND					
27						23						31
26												
25												
24												
23												
22												
21												
20												
19												
18												

* EXCLUDES DOMESTIC FISHING CRAFT.

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		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
SIYKA HARBOR, ALASKA--(CONTINUED)		INBOUND						OUTBOUND											
37		3		1	1		5	3		1	1		5						
16		133		3			136	133		3			139						
15		38		44	79		161	39		33	199		238						
14				74	28		102			45	32		77						
13				95	1	1	97			95	1		96						
12 AND LESS		14		201	131	99	445	10		209	102		311		109				
TOTAL		292		498	248	166	1,104	205		463	301		764		197				
SERGIUS AND WHITESTONE NARROWS, ALASKA		NORTHBOUND						SOUTHBOUND											
16		133		3			136	133		1			134						
15		36		48	182		266	39		19	78		117						
14				53	22	1	76			78	37		115						
13				69	1	1	71			48	1		79						
12				30	3		33			26	7		33						
11				25	7		32			21	17		38						
10				37			37			46			46						
9		1		8			9			4			13						
8		2		81	3		86			97			102						
7					2		2			9			9						
6		2					2			1			3						
5							2			1			3						
4							2			1			3						
3							2			2			4						
2							2			3			5						
TOTAL		174		392	213	121	800	173		392	227		619		78				
SKAGWAY HARBOR, ALASKA		INBOUND						OUTBOUND											
31																			
27		17					17			14			14						
26		9					9			8			8						
25		73	4			7	84			19			103						
24		12					12			13			13						
23										1			1						
22		17			9		26			18			26						
21					4		4			4			8						
20		119			4		123			68			191						
19		1			8		9			11			12						
18		1					1			47			48						
17		14		20		1	35			23			58						
16		230	1	7		2	239			13			252						
15		1		3	1	1	6			1		3	10						
14		2		2			4			2			6						
13		1		1	2	1	5			3			8						
12 AND LESS		7		12	3		22			100	4		107						
TOTAL		524	8	49	31	24	634	524	7	42	38		643		29				
VALDEZ HARBOR, ALASKA		INBOUND						OUTBOUND											
75										3			3						
74										7			7						
73										7			7						
72										22			22						
71										19			19						
70										15			15						
69										5			5						
68										16			16						
67										8			8						
66										12			12						
65										7			7						
64										2			2						
63										4			4						
62										8			8						
61												1	1						
60										34			34						
59										39			39						
58				2			2			58			60						
57				1			1			51			52						
56										19			19						
55				1			1			16			17						
54										22			22						
53										49			49						
52				1			1			59			60						
51										59			60						
50										14			14						
49										12			12						
48										1			1						
47										1			1						
46										43			43						
45				3			3			59			62						
44										30			30						
43				6			6			48			54						
42										48			54						
41				14			14			43			57						
40				29			29			25			54						
39				21			21			4			25						
38				14			14			7			21						
37				16			16			4			20						
36				37			37			6			43						
35				46			46			7			53						
34				90			90			1			91						

* EXCLUDES DOMESTIC FISHING CRAFT.

ALASKA 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		
VALDEZ HARBOR, ALASKA--(CONTINUED)						INBOUND					OUTBOUND			
33			42											3
32			80											4
31			92											4
30			62											4
29			31											4
28			62											4
27			31											4
26		4	62					3						4
25			31											2
24			29					1						1
23			21											1
22			10											1
21			67			3								1
20			2			1								1
19			17		6	23				4		8		12
18			2		1	6				49		1		46
17			3		7	11				6		11		17
16			2			3				1				1
15			4			5				1				1
14		35	5		2	44		35				2		37
13			15		8	23						6		7
12		119	15		10	145		119			14	5	11	133
12 AND LESS			2		7	27							13	29
TOTAL		198	871	41	15	22	1,107	198	885	45	15	19	1,118	
ANCHORAGE, ALASKA							INBOUND						OUTBOUND	
33			8											8
32			2											2
31			5											2
30		1	1						1					2
29		1	1						1					1
28			2											2
27			2											2
26			20		1	29			2					3
25			127			127			93					94
24			22			24			7					6
23			9			10			9					10
22			12			12			22					24
21			4			5			24					26
20			3		1	4			10					19
19			2			2			19					22
18			1			1			3					3
17			3			3			3				1	6
16			6			6			19				1	2
15			12			13			3					20
14			7		3	12			11					3
13			9			10			7					12
12			2			7			18				7	21
11			9			9			4					9
10			1			24			4					15
9			1			2			15					7
8			46		19	73			47				22	4
8 AND LESS														
TOTAL		294	23	85	31	7	400	296	19	74	29	9	383	
KODIAK HARBOR, ALASKA							INBOUND						OUTBOUND	
30			13						13					13
29			1		1				3					3
28			8						13					13
27			4						3					3
26			6		1				3					3
25			20						9					9
24			26						21					21
23			8						15					16
22			3						3					3
21			2						3					3
20			1						2					2
19			2						2					2
18			12						2					3
17			2						2					2
16			9						3					4
15			14		4				9				2	25
14			3						10					8
13			72		2				70				1	87
12			1						3					20
11					13		31		3					20
10			8				2		10				28	20
9			1						7				9	9
8			1						4					9
7			22						22					30
6			1						1					2
5			2						2					2
4			1						3					38
3			1						1					2
3 AND LESS									2					2
TOTAL		192	23	98	70	4	347	192	28	80	97	4	353	
ILIULIUK HARBOR, ALASKA							INBOUND						OUTBOUND	
30			19						16					16
29			1						3					4
28			3						1					1
27									2					2
26									1					1
25			1						2					2

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

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	
ILLIUMUK HARBOR, ALASKA--(CONTINUED)					INBOUND						OUTBOUND	
24 - - - - -					1	1					2	2
23 - - - - -					2	2					1	4
22 - - - - -	2					3					1	4
21 - - - - -	9		1		10	9		1			1	11
20 - - - - -	7		2		9	6					1	7
19 - - - - -	9	1			6	4	2				2	8
18 - - - - -	10		7		25	20	3	6				29
17 - - - - -	30				32	32					1	33
16 - - - - -	36		19		55	34	1	34			1	72
15 - - - - -	48		19	46	109	38		14	29		2	81
14 - - - - -	48	2	29	1	80	59		30	2			91
13 - - - - -	49	1	6	2	56	39		8	14		2	63
12 AND LESS - - - - -	192		18	21	20	191		6	14	19		136
TOTAL - - - - -	364	10	89	70	24	959	366	18	99	99	27	961
BETHEL HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 15 AND LESS - - - - -	28	26	165	144	25	383	13	26	161	166	33	373
CORDOVA HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 16 AND LESS - - - - -	131	10	8	8	157	131	9	18	8			158
CRAIG HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 15 AND LESS - - - - -	31		25	14	12	82	29		24	13	12	78
BILLINGHAM HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 14 AND LESS - - - - -	12		28	25	1	66	9		29	25	1	68
DOUBLAS HARBOR, ALASKA					NO VESSEL TRIPS REPORTED							
DRY PASS, ALASKA					NO VESSEL TRIPS REPORTED							
ESBIEK RIVER, ALASKA					INBOUND						OUTBOUND	
TOTAL, 15 AND LESS - - - - -	1		4	4	9	1		4	5			10
ELFIN COVE HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 18 AND LESS - - - - -			5		3	8		3		3		6
HOHER, ALASKA					INBOUND						OUTBOUND	
TOTAL, 23 AND LESS - - - - -	117	17	18		144	116	26	18				142
MOGNAN HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 16 AND LESS - - - - -	84		33	17	28	162	83		44	17	28	172
JUNEAU HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 26 AND LESS - - - - -	484	16	146	191	21	818	482	11	145	148	21	799
KAKE HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 16 AND LESS - - - - -	36		28	15	11	90	37		22	15	11	85
KING COVE, ALASKA					INBOUND						OUTBOUND	
TOTAL, 17 AND LESS - - - - -	68	12	13	11	1	105	78	18	11	28	1	112
NAKNEK RIVER, ALASKA					INBOUND						OUTBOUND	
TOTAL, 15 AND LESS - - - - -	18	1	32	38	6	79	18	1	24	45	5	85
NINILCHIK HARBOR, ALASKA					NO VESSEL TRIPS REPORTED							
NOME HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 19 AND LESS - - - - -	7	2	198	27	137	371	9	2	187	38	147	371
OLD HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 12 AND LESS - - - - -	3	4				7	3	3				6
PELICAN HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 16 AND LESS - - - - -	21		21	11	9	62	21		17	13	8	59
PETERSBURG HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 16 AND LESS - - - - -	266		166	126	47	605	265		197	118	46	586
PORT ALEXANDER, ALASKA					INBOUND						OUTBOUND	
TOTAL, 12 AND LESS - - - - -	8		9	1	4	22	9		7	1	5	22

* EXCLUDES DOMESTIC FISHING CRAFT.

WATERBORNE COMMERCE OF THE UNITED STATES, 1960

ALASKA 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	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
SELDOVIA HARBOR, ALASKA TOTAL, 19 AND LESS - - - - -	62	6	19	5	1	94	63	9	21	5	1	95
SEWARD HARBOR, ALASKA TOTAL, 33 AND LESS - - - - -	116	13	31	2		162	119	9	13	3		140
SPRINKLE RIVER, ALASKA TOTAL, 4 AND LESS - - - - -	7		24	96		87	7		24	56		87
OTHER SOUTHEASTERN ALASKA PORTS TOTAL, 39 AND LESS - - - - -	12,642	8	679	276	296	14,061	12,633	6	728	285	239	13,883
SOUTHERLY SIDE OF ALASKA PENINSULA TOTAL, 41 AND LESS - - - - -	618	189	178	37	18	1,028	606	189	147	98	25	1,053
WHITTIER HARBOR, ALASKA TOTAL, 23 AND LESS - - - - -	114	3	42	518	6	683	114	3	48	516	6	687

* EXCLUDES DOMESTIC FISHING CRAFT.

Pages	Pages
A	
Alsea Bay and River, Oreg.-----	60, 112
Anacortes Harbor, Wash.-----	72, 116
Anchorage, Alaska-----	83, 120
Astoria, Oreg., Port of-----	46, 109
B	
Barbers Point Harbor, Oahu, Hawaii-----	32, 105
Bellingham Bay and Harbor, Wash.-----	73, 116
Berkaley, Calif.-----	28, 103
Bethel Harbor, Alaska-----	87, 121
Blaine Harbor, Wash.-----	75, 116
Bodega Bay, Calif.-----	28, 103
C	
Carquinez Strait, Calif.-----	23, 102
Chetco River, Oreg.-----	60, 112
Chinook Channel, Wash.-----	60, 112
Clatskanie River, Oreg.-----	60, 112
Coeur D'Alene Lake and St. Joe River, Idaho--	75, 117
Columbia River Basin, Oreg., Wash., and Idaho:	
Columbia and Lower Willamette Rivers below Vancouver, Wash., and Portland, Oreg.-----	43, 108
Columbia River above The Dalles Dam, Wash., and Oreg. to McNary Lock and Dam, Oreg., and Wash.-----	54, 111
Columbia River and Tributaries above McNary Lock and Dam to Kennewick, Wash.-----	38, 107
Columbia River at Bakers Bay, Wash.-----	60, 112
Columbia River Basin, total waterborne commerce-----	40
Columbia River between Vancouver, Wash., and The Dalles, Oreg.-----	53, 111
Columbia River Entrance, Oreg., and Wash.-----	40, 108
Columbia River Mouth to the International Boundary (consolidated report)-----	40, 108
Columbia River, Ports other than Portland, Astoria, St. Helens, Longview, Vancouver, and Kalama-----	48, 109
Columbia River, Wenatchee to Kettle Falls, Wash.-----	75, 116
Columbia Slough, Oreg.-----	60, 112
Commodity classification-----	vii
Coos and Millicoma Rivers, Oreg.-----	58, 112
Coos Bay, Oreg.-----	57, 112
Coquille River, Oreg.-----	60, 112
Cordova Harbor, Alaska-----	87, 121
Cowlitz River, Wash.-----	60, 112
Craig Harbor, Alaska-----	87, 121
Crescent City Harbor, Calif.-----	28, 103
D	
Deep River, Wash.-----	47, 109
Depoe Bay, Oreg.-----	60, 112
Dillingham Harbor, Alaska-----	87, 121
Douglas Harbor, Alaska-----	88, 121
Dry Pass, Alaska-----	88, 121
E	
Egegik River, Alaska-----	88, 121
Elfin Cove Harbor, Alaska-----	88, 121
Elokomin Slough, Wash.-----	60, 113
Encina, Calif.-----	8, 98
Everett Harbor and Snohomish River, Wash.-----	71, 115
F	
Flathead Lake, Mont.-----	75, 116
G	
Gray Harbor and Chehalis River, Wash.-----	62, 114
Grays River, Wash.-----	60, 113
H	
Half Moon Bay, Calif.-----	28, 103
Hammersley Inlet, Wash.-----	65, 114
Hana Harbor, Maui, Hawaii-----	36, 106
Hilo Harbor, Hawaii, Hawaii-----	29, 105
Homer, Alaska-----	88, 121
Honolulu Harbor, Oahu, Hawaii-----	32, 106
Hoonah Harbor, Alaska-----	88, 121
Hoquiam River, Wash.-----	75, 116
Humboldt Harbor and Bay, Calif.-----	26, 103
I	
Iliuliuk Harbor, Alaska-----	85, 120
Introduction-----	v
J	
Juneau Harbor, Alaska-----	89, 121
K	
Kahului Harbor, Maui, Hawaii-----	30, 105
Kailua Harbor, Oahu, Hawaii-----	36, 106
Kake Harbor, Alaska-----	89, 121
Kalama, Wash., Port of-----	50, 110
Kalaupapa Harbor, Molokai, Hawaii-----	36, 106
Kaunakakai Harbor, Molokai, Hawaii-----	36, 106
Kawaihae Harbor, Hawaii, Hawaii-----	30, 105
Ketchikan Harbor, Alaska-----	76, 118
King Cove, Alaska-----	89, 121
Kodiak Harbor, Alaska-----	84, 120
Kootenai River, Idaho and Mont.-----	75, 116
L	
Lake River, Wash.-----	60, 113
Lake Washington Ship Canal, Wash.-----	70, 115
Lewis River, Wash.-----	60, 113
Long Beach Harbor, Calif.-----	4, 97
Longview, Wash., Port of-----	48, 109
Los Angeles Harbor, Calif.-----	5, 97
M	
Metlakatla Harbor, Alaska-----	76, 118
Middle River, Calif.-----	14, 100
Mission Bay, Calif.-----	8, 98
Mokelumne River, Calif.-----	14, 100
Monterey Harbor, Calif.-----	28, 103
Morro Bay Harbor, Calif.-----	8, 98
Moss Landing Harbor, Calif.-----	15, 101
Multnomah Channel, Oreg.-----	51, 110
N	
Naknek River, Alaska-----	90, 121
Napa River, Calif.-----	28, 103
Nawiliwili Harbor, Kauai, Hawaii-----	34, 106
Neah Bay, Wash.-----	62, 114
Newport Bay Harbor, Calif.-----	8, 98
Ninilchik Harbor, Alaska-----	90, 121
Nome Harbor, Alaska-----	90, 121
Noyo River, Calif.-----	28, 103
O	
Oakland Harbor, Calif.-----	18, 102
Old Harbor, Alaska-----	90, 121
Old River, Calif.-----	14, 100
Olympia Harbor, Wash.-----	65, 115
Oregon Slough (North Portland Harbor), Oreg.-----	51, 110
P	
Pelican Harbor, Alaska-----	91, 121
Petaluma River, Calif.-----	28, 103
Petersburg Harbor, Alaska-----	91, 121
Port Alexander, Alaska-----	91, 121

	Pages		Pages
P			
Port Allen Harbor, Kauai, Hawaii-----	36, 106	Skamokawa (steamboat) Slough, Wash.-----	60, 113
Port Angeles Harbor, Wash.-----	63, 114	Skipanon Channel, Oreg.-----	46, 109
Port Gamble Harbor, Wash.-----	65, 114	Smith River, Oreg.-----	60, 113
Port Huenaue, Calif.-----	7, 98	Snake River, Oreg., Wash., and Idaho-----	38, 107
Portland, Oreg., Port of-----	55, 111	Southeastern Alaska, Other Ports-----	92, 122
Port Orford, Oreg.-----	60, 113	Southerly Side of Alaska Peninsula-----	92, 122
Port Townsend Harbor, Wash.-----	64, 114	Stikine River, Alaska-----	92, 122
Puget Sound Area, Other Ports, Wash.-----	75, 117	Stillaguamish River, Wash.-----	75, 116
Q			
Quillayute River, Wash.-----	75, 116	Stockton, Calif.-----	13, 100
R			
Redondo Beach, Calif.-----	8, 98	Suisun Bay Channel, Calif.-----	25, 103
Redwood City Harbor, Calif.-----	17, 101	Suisun Channel, Calif.-----	28, 103
Richmond Harbor, Calif.-----	20, 102	Swinomish Channel, Wash.-----	72, 116
Rogue River, Oreg.-----	60, 113	T	
S			
Sacramento, Calif.-----	11, 99	Tacoma Harbor, Wash.-----	66, 115
Sacramento River, Calif.-----	9, 99	Tillamook Bay and Bar, Oreg.-----	60, 113
Sacramento River Deepwater Ship Channel, Calif.-----	10, 99	U	
St. Helens, Oreg., Port of-----	50, 110	Umpqua River, Oreg.-----	58, 112
San Diego Harbor, Calif.-----	3, 97	V	
San Francisco Bay and Delta Area, total commerce of-----	15	Valdez Harbor, Alaska-----	82, 119
San Francisco Bay Area, Other Port, Calif.--	28, 104	Vancouver, Wash., Port of-----	52, 110
San Francisco Bay Entrance-----	15, 101	W	
San Francisco Harbor, Calif.-----	16, 101	Wake Island Harbor, Wake Island-----	36, 106
San Joaquin River, Calif.-----	12, 99	Waterway connecting Port Townsend Bay and Oak Bay, Wash.-----	75, 117
San Pablo Bay and Mare Island Strait, Calif.-----	21, 102	Wells Harbor, Midway Island-----	36, 106
San Rafael Creek, Calif.-----	28, 103	Westport Slough, Oreg.-----	61, 113
Santa Barbara Harbor, Calif.-----	8, 98	Whittier Harbor, Alaska-----	93, 122
Santa Cruz Harbor, Calif.-----	28, 103	Willamette River above Portland and Yamhill River, Oreg.-----	57, 111
Seattle Harbor, Wash.-----	68, 115	Willapa River and Harbor and Naselle River, Wash.-----	75, 117
Seldovia Harbor, Alaska-----	91, 122	Wrangell Harbor, Alaska-----	77, 118
Sergius and Whitestone Narrows, Alaska-----	81, 119	Wrangell Narrows, Alaska-----	78, 118
Seward Harbor, Alaska-----	91, 122	Y	
Sitka Harbor, Alaska-----	80, 118	Yaquina Bay and Harbor, Oreg.-----	61, 113
Siuslaw River, Oreg.-----	60, 113	Yaquina River, Oreg.-----	61, 113
Skagit River, Wash.-----	75, 116	Youngs Bay and Youngs River, Oreg.-----	46, 109
Skagway Harbor, Alaska-----	82, 119		
Skamokawa Creek, Wash.-----	60, 113		