

WATERBORNE COMMERCE OF THE UNITED STATES CALENDAR YEAR
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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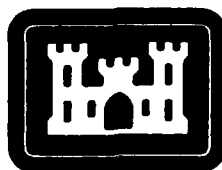
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WATERBORNE COMMERCE OF THE UNITED STATES

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

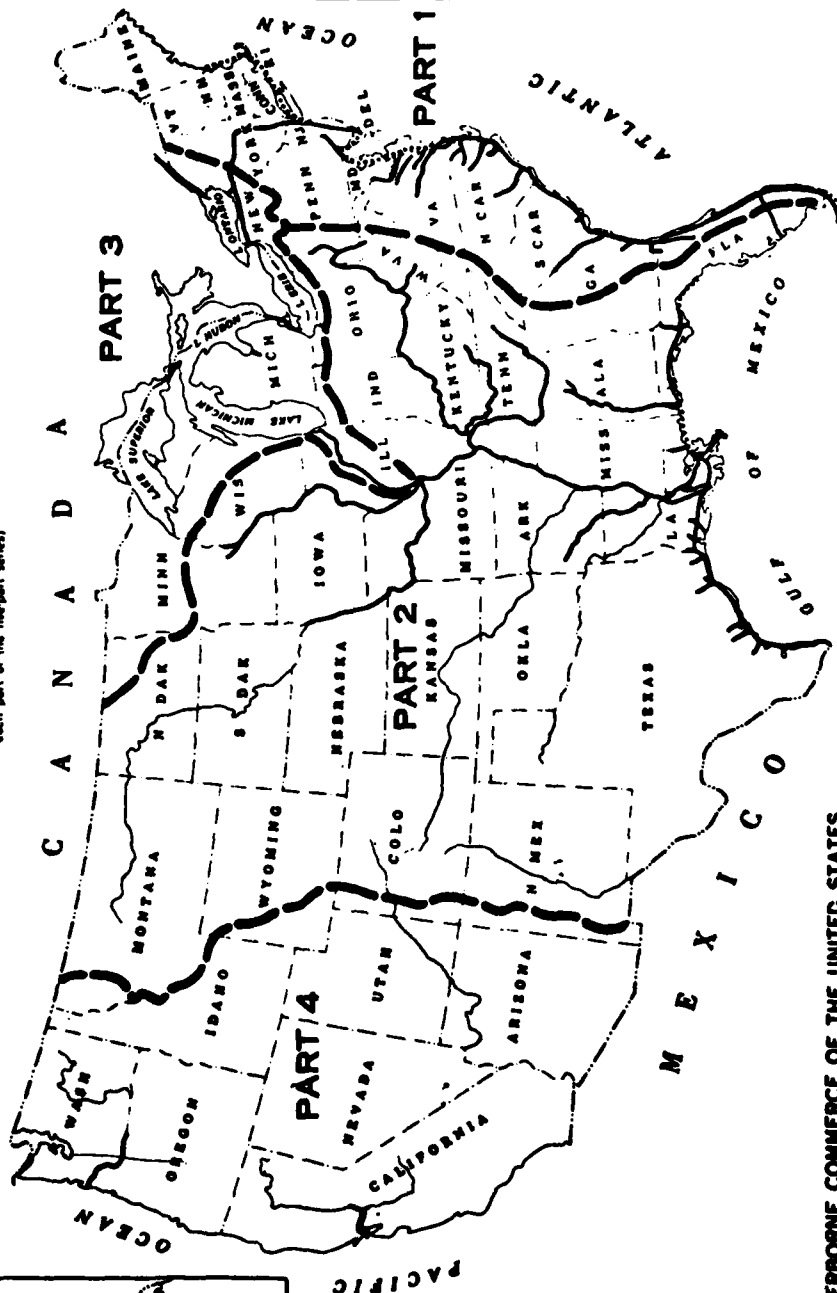
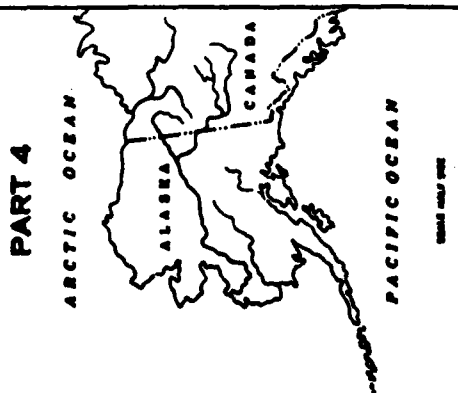
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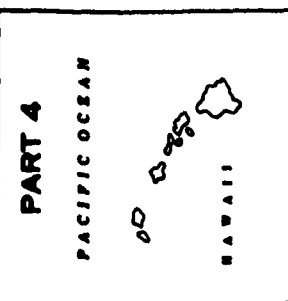
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Geographical Areas Covered by
Waterborne Commerce Statistics Publications
of the
DEPARTMENT OF THE ARMY CORPS OF ENGINEERS
(Heavy broken lines indicate the limits embraced by
each part of the five-part series)



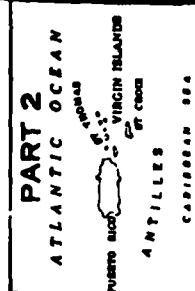
INLAND WATERWAYS LEGEND

- PRINCIPAL IMPROVED WATERWAYS
- (IN OPEN WATER)



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)



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INTRODUCTION

This publication is one of a series containing statistics on the waterborne commerce of the United States during the calendar year 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 co-operation 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.

Included 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 areas thereof; and movements between offshore installations and inland waterways.

Local.-Movements of freight within the confines of a port whether the port has only one or several 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 form-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-Basic 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		2831	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	Nitrogenouschemical 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
Group 32-Stone, Clay, Glass and Concrete Products	
3211	Glass and glass products
3241	Building cement
3251	Structural clay products, including refractories
3271	Lime
3281	Cut stone and stone products
3291	Miscellaneous nonmetallic mineral products

Group 33-Primary Metal Products	
3311	Pig iron
3312	Slag
3313	Coke (coal and petroleum), petroleum pitches and asphalts, and naphtha and solvents
3314	Iron and steel ingots, and other primary forms, including blanks for tube and pipe, and sponge iron
3315	Iron and steel bars, rods, angles, shapes and sections, including sheet piling
3316	Iron and steel plates and sheets
3317	Iron and steel pipe and tube
3318	Ferroalloys
3319	Primary iron and steel products, not elsewhere classified including castings in the rough
3321	Nonferrous metals primary smelter product, basic shapes, wire castings and forgings, except copper, lead, zinc and aluminum
3322	Copper and copper alloys, whether or not refined, unworked
3323	Lead and zinc including alloys, unworked
3324	Aluminum and aluminum alloys, unworked

Group 34-Fabricated Metal Products, Except Ordnance, Machinery and Transportation Equipment	
3411	Fabricated metal products, except ordnance, machinery, and transportation equipment

Group 35-Machinery, Except Electrical	
3511	Machinery, except electrical

Group 36-Electrical Machinery, Equipment and Supplies	
3611	Electrical machinery equipment and supplies

Code No.	Item Name
Group 37-Transportation Equipment	
3711	Motor vehicles, parts and equipment
3721	Aircraft and parts
3731	Ships and boats
3791	Miscellaneous transportation equipment
Group 38-Instruments, Photographic and Optical Goods, Watches and Clocks	
3811	Instruments, photographic and optical goods, watches and clocks
Group 39-Miscellaneous Products of Manufacturing	
3911	Miscellaneous products of manufacturing
Group 40-Waste and Scrap Materials	
4011	Iron and steel scrap
4012	Nonferrous metal scrap
4022	Textile waste, scrap, and sweepings
4024	Paper waste and scrap
4029	Waste and scrap, not elsewhere classified
Group 41-Special Items	
4111	Water
4112	Miscellaneous shipments not identifiable by commodity
4113	LCL freight
4118	Materials used in waterway improvement, Government materials
4119	Empty containers
9999*	Department of Defense controlled cargo and special category items

*Cargoes exported on Department of Defense controlled vessels (other than goods for the use of U.S. Armed Forces abroad) and non-Department of Defense shipments of military component items (abbreviated SCI) for which commodity detail is not furnished to the Corps of Engineers.

Section 1
FREIGHT TRAFFIC

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 RECEIPTS	SHIPMENTS	INVERNAL RECEIPTS
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		6			
0131 FRESH FRUITS AND TREE NUTS-----	10		10			
0801 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-----	36,050			36,050		
1471 PHOSPHATE ROCK-----	4,960	4,960				
1499 NONMETALLIC MINERALS, NEC-----	8,929		8,929			
2039 PREP FRUIT AND VEG JUICE, NEC-----	27		27			
2042 PREPARED ANIMAL FEEDS, NEC-----	26,092		26,092			
2062 MOLASSES-----	16,745	6,457	10,288			
2091 VEGETABLE OILS, MARG, SHORT-----	2		2			
2099 MISCELLANEOUS FOOD PRODUCTS-----	284	263	21			
2211 BASIC TEXTILE PRODUCTS-----	22	10	12			
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	9	3			
2631 PAPER AND PAPERBOARD-----	57,995	57,995				
2691 PULP AND PAPER PRODUCTS, NEC-----	117	31	86			
2711 PRINTED MATTER-----	2		2			
2812 DYES, PIGMENT, TANNING MATS-----	1		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		1			
2891 MISCELLANEOUS CHEMICAL PROD-----	49		49			
2911 GASOLINE-----	1		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			319,819	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		6			
3241 BUILDING CEMENT-----	108,782	108,606	176			
3251 STRUCTURAL CLAY PRODUCTS-----	112	112				
3291 MISC NONMETALLIC MINERAL PROD-----	12	12				
3314 IRON AND STEEL PRIMARY FORMS-----	2		2			
3315 IRON, STEEL SHAPES, EXC SHEET-----	8		8			
3316 IRON AND STEEL PLATES, SHEETS-----	790	762	28			
3317 IRON AND STEEL PIPE AND TUBE-----	2		2			
3319 IRON AND STEEL PRODUCTS, NEC-----	1,334		1,334			
3322 COPPER ALLOYS, UNWORKED-----	6	6				
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1		1			
3411 FABRICATED METAL PRODUCTS-----	540	278	262			
3511 MACHINERY, EXCEPT ELECTRICAL-----	192	19	133			
3611 ELECTRICAL MACH AND EQUIP-----	435	427	8			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,158	1,061	97			
3721 AIRCRAFT AND PARTS-----	99,006		6		99,000	
3731 SHIPS AND BOATS-----	16,032	50	42	15,968		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	20	1	19			
3911 MISC MANUFACTURED PRODUCTS-----	19	10	9			
4011 IRON AND STEEL SCRAP-----	135,156	30	135,126			
4012 NONFERROUS METAL SCRAP-----	44		44			
4022 TEXTILE WASTE, SCRAP, SWEEP-----	3		3			
4112 COMMODITIES, NEC-----	47	23	24			
9999 DEPARTMENT OF DEFENSE AND SCI-----	3		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		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	30,779,672	9,330,421	9,267,597	17,309,785	2,314,379	43,739	449,658	44,093
0101 COTTON, RAW-----	418,462	3	418,459					
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	1,845					
0131 FRESH FRUITS AND TREE NUTS-----	619,903	236,563	383,012		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	58					
0841 FOREST PRODUCTS, NEC-----	4,767	3,182	1,535		30			
0911 FRESH FISH, EXCEPT SHELLFISH-----	53,565	52,338	1,227					
0912 SHELLFISH, EXCEPT PREPARED-----	8,773	5,787	3,066					
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-----	20,652,708	3,613,981		15,509,377	931,905	26,044	458,615	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	3,244	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	2,509	47				
2034 VEGETABLES AND PREP, NEC-----	39,350	29,844	5,314	44	4,148			
2039 PREP FRUIT AND VEG JUICE, NEC-----	52,284	21,645	30,451	83	105			
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	99,314	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-----	62,080	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		1,060			
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	2,302			
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	2	1,920			
2611 PULP-----	2,938	1,239	1,299					
2613 PAPER AND PAPERBOARD-----	279,093	261,315	17,528		858			
2691 PULP AND PAPER PRODUCTS, NEC-----	15,443	3,036	6,366		4,841			
2711 PRINTED MATTER-----	6,915	3,694	2,691	23	947			
2810 SODIUM HYDROXIDE-----	731			731				
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	12		12					
2812 DYES, PIGMENT, TANNING MATS-----	216		216					
2813 ALCOHOLS-----	422		199		227			

LOS ANGELES, CALIF., DISTRICT

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LONG BEACH HARBOR, CALIF.,--CONTINUED

FREIGHT TRAFFIC, 1968--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS	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	94,070	-----	-----	-----
2821 PLASTIC MATERIALS-----	159,387	27,392	139,904	-----	1,091	-----	-----	-----
2822 SYNTHETIC RUBBER-----	13,088	-----	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	2,634	-----	-----	-----
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-----	19,292	14,305	3,998	-----	957	-----	-----	-----
3241 BUILDING CEMENT-----	199,039	114,697	340	83,747	255	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	40,860	37,339	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	4,861	-----	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	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	6,906	4,521	2,383	-----	42	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	53,101	13,228	39,810	-----	63	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	210,062	187,113	19,004	-----	3,945	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	191,931	125,028	69,321	-----	1,982	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	279,340	293,398	25,248	-----	694	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	385,327	364,717	18,127	17	2,466	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	102,212	502	2,687	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	9,735	-----	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-----	98,451	18,123	3,351	2,446	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-----	23,491,808	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-----	30,151,093	699,175

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

LOS ANGELES HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	30,151,053	8,067,902	9,789,969	10,160,027	5,160,061	553,704	43,739	425,251
0101 COTTON, RAW-----	381,196	10	381,186					
0102 BARLEY AND RYE-----	22	2	20					
0103 CORN-----	313,751	6	313,725					
0104 OATS-----	12,766		12,766					
0105 RICE-----	1,916	340	711		665			
0107 WHEAT-----	24,867		24,867					
0110 OILSEEDS, NEC-----	40,860	121	40,739					
0121 TOBACCO, LEAF-----	20,613	10,042	2,601					
0129 FIELD CROPS, NEC-----	9,477	7,379	2,298					
0131 FRESH FRUITS AND TREE NUTS-----	413,407	219,122	146,632	32,347	15,896			
0133 COFFEE-----	10,452	10,272	112		60			
0134 COCOA BEANS-----	244	132	112					
0141 FRESH AND FROZEN VEGETABLES-----	44,814	1,250	8,246	244	39,648			
0131 LIVE ANIMALS-----	344		5		339			
0141 ANIMALS AND PRODUCTS, NEC-----	12,993	1,049	10,238		860			
0191 MISCELLANEOUS FARM PRODUCTS-----	2,414	150	455	803				
0841 CRUDE RUBBER AND ALLIED GUMS-----	14,680	14,680	30					
0861 FOREST PRODUCTS, NEC-----	1,849	2,461	1,571	1	616			
0911 FRESH FISH, EXCEPT SHELLFISH-----	50,824	49,671	1,153					
0912 SHELLFISH, EXCEPT PREPARED-----	14,098	9,190	3,606	42	1,800			
1011 IRON ORE AND CONCENTRATES-----	120,209	120,209						
1021 COPPER ORE AND CONCENTRATES-----	39,070		39,070					
1051 ALUMINUM ORES, CONCENTRATES-----	44,517	43,145	1,372					
1061 MANGANESE ORES, CONCENTRATES-----	20,940	20,940						
1091 NONFERRUS ORES, CONCENT, NEC-----	10,193	5,781	3,116		1,870			
1121 COAL AND LIGNITE-----	714,943	15	714,928					
1311 CRUDE PETROLEUM-----	10,001,397	3,587,306		4,749,795	766,886	542,861	26,044	419,325
1411 LIMESTONE-----	6,500	5,082	1,498					
1412 BUILDING STONE, UNWORKED-----	514		514					
1442 SAND, GRAVEL, CRUSHED ROCK-----	23,963	2,617	21,346					
1451 CLAY-----	9,749	985	4,143		621			
1471 PHOSPHATE ROCK-----	275		275					
1491 SALT-----	537	290	112		139			
1492 SULPHUR, DRY-----	1,451		1,451					
1494 GYPSUM, CRUDE AND PLASTERS-----	7,416				7,416			
1499 NONMETALLIC MINERALS, NEC-----	495,781	1,551	494,226		4			
1911 ORDNANCE AND ACCESSORIES-----	1,267	975	602					
2011 MEAT, FRESH, CHILLED, FROZEN-----	147,789	33,712	72,062	312	41,083			
2012 MEAT AND PRODUCTS, NEC-----	12,155	10,729	1,426					
2014 TALLOW, ANIMAL FATS AND OILS-----	71,591		71,591					
2015 ANIMAL BY-PRODUCTS, NEC-----	122,061		122,025	36				
2021 DAIRY PRODUCTS, NEC-----	4,768	2,089	657		2,102			
2022 DRIED MILK AND CREAM-----	4,295	1,149	3,146					
2031 FISH AND SHELLFISH, PREPARED-----	10,623	15,717	2,900					
2034 VEGETABLES AND PREP, NEC-----	63,086	20,382	5,700	2,504	34,340			
2039 PREP FRUIT AND VEG JUICE, NEC-----	150,443	41,049	38,656	66,759	3,979			
2041 WHEAT FLOUR AND SEMOLINA-----	592	41			551			
2042 PREPARED ANIMAL FEEDS-----	287,790	283	264,739		22,768			
2049 GRAIN MILL PRODUCTS, NEC-----	26,553	3,638	21,753		1,162			
2061 SUGAR-----	86,076	81,629	4	4,400	43			
2062 MOLASSES-----	65,726	11,080		54,726				
2081 ALCOHOLIC BEVERAGES-----	89,453	30,778	18,213	224	40,236			
2091 VEGETABLE OILS, MARG, SH, IT-----	82,635	22,930	49,789		9,916			
2092 ANIMAL OILS AND FATS, NEC-----	105	105						
2094 GROCERIES-----	34,667			277	34,390			
2099 MISCELLANEOUS FOOD PRODUCTS-----	44,252	31,314	22,272	496	10,170			
2111 TOBACCO MANUFACTURES-----	1,987	510	1,164	12	301			
2211 BASIC TEXTILE PRODUCTS-----	49,224	90,387	9,688	10	9,139			
2212 TEXTILE FIBERS, NEC-----	5,911	25	5,886					
2311 APPAREL-----	81,453	80,353	1,100					
2411 LOGS-----	1,258	155	1,103					
2413 FUEL WOOD, CHARCOAL, WASTES-----	1,208	981	44		183			
2414 TIMBER, POSTS, POLES, PILING-----	25		25					
2416 WOOD CHIPS, STAVES, HOLDINGS-----	79	79						
2421 LUMBER-----	286,892	149,091	7,323	127,999	2,479			
2431 VENEER, PLYWOOD, WORKED WOOD-----	44,715	44,242	227		246			
2491 WOOD MANUFACTURES, NEC-----	22,430	18,717	3,474		239			
2511 FURNITURE AND FIXTURES-----	92,360	40,526	2,135		9,699			
2611 PULP-----	13,366	61	13,505					
2631 PAPER AND PAPERBOARD-----	127,514	96,456	24,650		6,408			
2691 PULP AND PAPER PRODUCTS, NEC-----	32,099	3,940	11,550		16,609			
2711 PRINTED MATTER-----	9,944	5,325	2,404		2,235			
2810 SODIUM HYDROXIDE-----	121,248			121,248				
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	23,350		18	9,302	14,638			
2812 DYES, PIGMENT, TANNING MATS-----	584		584					
2813 ALCOHOLS-----	119,414		297	10,556	100,601			
2816 RADIOACTIVE MATERIALS, WASTES-----	1		1					
2817 BENZENE AND TOLUENE-----	12,959			11,440	1,519			
2819 BASIC CHEMICALS AND PROD, NEC-----	542,057	37,181	418,178	70,042	16,656			
2921 PLASTIC MATERIALS-----	140,657	35,843	100,655		4,139			
2922 SYNTHETIC RUBBER-----	13,578		13,578					
2923 SYNTHETIC (MAN-MADE) FIBERS-----	7,947	3,885	3,742					
2931 DRUGS-----	5,872	1,468	1,647		2,757			
2941 SOAP-----	24,328	1,384	7,047		15,680			
2951 PAINTS-----	20,905	10,105	4,835	7	5,958			
2961 GUM AND WOOD CHEMICALS-----	2,444	110	2,326					
2971 NITROGENOUS CHEM FERTILIZERS-----	38,760	2,411	8,684	10,656	9,009			
2972 POTASSIC CHEM FERTILIZERS-----	303		303					
2973 PHOSPHATIC CHEM FERTILIZERS-----	29,101	21	29,080					
2976 INSECTICIDES, DISINFECTANTS-----	8,727	682	6,102	1	1,942			
2979 FERTILIZER AND MATERIALS, NEC-----	19,036	417	254	17,629	736			
2991 MISCELLANEOUS CHEMICAL PROD-----	32,677	4,690	25,856	26	1,903			

LOS ANGELES, CALIF., DISTRICT

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LOS ANGELES HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2911 GASOLINE-----	1,835,988	14,395	1,220	1,493,198	317,451	9,324		
2912 JET FUEL-----	200,977			200,274	89,703			
2913 KEROSENE-----	31,996				31,996			
2914 DISTILLATE FUEL OIL-----	1,100,811		18	359,332	797,840		17,695	5,926
2915 RESIDUAL FUEL OIL-----	4,950,309		246,248	2,403,968	2,308,093			
2916 LUBRICATING OILS AND GREASES-----	626,959	228,998		216,627	57,426			
2917 NAPHTHA, PETROLEUM SOLVENTS-----	120,350			110,968	9,382			
2918 ASPHALT, TAR, AND BITUMENS-----	79,263	5	665	7,200	71,393			
2920 COKE, PETROLEUM-----	281,663	14,537	267,126					
2921 LIQUEFIED GASES-----	289	3	282					
2922 ASPHALT BUILDING MATERIALS-----	1,163		587		576			
2991 PETROLEUM AND COAL PROD, NEC-----	26,650	491	598	18,375	7,226			
3011 RUBBER AND MISC PLASTIC PROD-----	134,450	113,592	15,264	395	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	298,981	670	228	7,400			
3251 STRUCTURAL CLAY PRODUCTS-----	55,734	52,086	665		2,083			
3281 CUT STONE AND STONE PRODUCTS-----	9,916	7,790	53		1,673			
3291 MISC NONMETALLIC MINERAL PROD-----	104,112	93,784	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	15,420		3,642			
3318 FERROALLOYS-----	4,495	4,414	81					
3319 IRON AND STEEL PRODUCTS, NEC-----	18,987	10,282	7,201		1,984			
3321 NONFERROUS METALS, NEC-----	10,346	6,093	3,970		323			
3322 COPPER ALLOYS, UNWORKED-----	26,250	10,382	15,948					
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	292,375	10,659	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	1	28			
3731 SHIPS AND BOATS-----	5,699	4,089	1,326	34	250			
3791 MISC TRANSPORTATION EQUIPMENT-----	2,326	553	1,725	4	44			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	22,572	18,368	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	194,799			
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-----	197,783	1976-----	1,452,057
1972-----	173,110	1977-----	1,875,743
1973-----	1,109,381	1978-----	958,660
1974-----	984,660	1979-----	1,180,424
1975-----	1,007,154	1980-----	1,405,744

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS
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	1,081		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-----	182,238		
	2915 RESIDUAL FUEL OIL-----	994,563		
	TOTAL-----	1,076,801		

SACRAMENTO, CALIF., DISTRICT

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

SECTION INCLUDED: FROM MOUTH OF RIVER TO RED BLUFF VIA RIVER ROUTE; A DISTANCE OF 248 MILES; FROM MOUTH OF CACHE SLOUGH TO WASHINGTON LAKE VIA SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, A DISTANCE OF 29.9 MILES; CONTROLLING DEPTH: MOUTH OF RIVER TO CACHE SLOUGH, 29 FEET; MOUTH OF CACHE SLOUGH TO WASHINGTON LAKE VIA SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, 29 FEET; MOUTH OF CACHE SLOUGH TO SACRAMENTO VIA RIVER ROUTE, 10 FEET; SACRAMENTO TO COLUSA, 6 FEET IN LOW WATER SEASON; COLUSA TO CHICO 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; 5 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	1,405,844	1979	2,069,089
1975	1,788,843	1980	2,964,769

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		INBOUND
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL	2,964,769	120,299	2,489,375	335,420	3,900	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		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				
1442 SAND, GRAVEL, CRUSHED ROCK	19,667					19,667
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			
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	49	5	40			
2211 BASIC TEXTILE PRODUCTS	70	31	39			
2311 APPAREL	1		1			
2411 LOGS	87,921		87,921			
2416 WOOD CHIPS, STAVES, HOLDINGS	783,913		783,913			
2431 VENEER, PLYWOOD, WORKED WOOD	99	99				
2491 WOOD MANUFACTURES, NEC	21		21			
2611 PULP	17,091		17,091			
2631 PAPER AND PAPERBOARD	2,243	2,243				
2691 PULP AND PAPER PRODUCTS, NEC	4		4			
2711 PRINTED MATTER	9		9			
2811 CRUDE TAR, OIL, GAS PRODUCTS	6		6			
2819 BASIC CHEMICALS AND PROD, NEC	290,708	3	1,356	249,349		
2821 PLASTIC MATERIALS	40	23	17			
2831 DRUGS	6		6			
2841 SOAP	30		30			
2851 PAINTS	29	22	7			
2871 NITROGENOUS CHEM FERTILIZERS	190,244	100,265		86,079	3,900	
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	10	1	15			
3211 GLASS AND GLASS PRODUCTS	1		1			
3291 MISC NONMETALLIC MINERAL PROD	3		3			
3315 IRON, STEEL SHAPES, EXC SHEET	3,000	3,000				
3316 IRON AND STEEL PLATES, SHEETS	669		669			
3317 IRON AND STEEL PIPE AND TUBE	312		302			
3319 IRON AND STEEL PRODUCTS, NEC	34		34			
3321 NONFERROUS METALS, NEC	2		2			
3411 FABRICATED METAL PRODUCTS	498	132	10			360
3511 MACHINERY, EXCEPT ELECTRICAL	482	19	463			
3611 ELECTRICAL MACH AND EQUIP	10	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	51		51			
TOTAL TON-MILES	126,159,240					

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: 38 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	1,498,879	1976	1,622,149
1972	1,478,845	1977	1,481,228
1973	1,612,354	1978	1,558,142
1974	1,398,789	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		
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		
1051 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		
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-----	49	9	49		
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-----	4	4			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	3		3		
2819 BASIC CHEMICALS AND PROD, NEC-----	250,708	3	1,356	249,349	
2821 PLASTIC MATERIALS-----	48	23	17		
2831 DRUGS-----	8	2	6		
2841 SOAP-----	36		36		
2851 PAINTS-----	22	22			
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		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, 128,988,882.					

SACRAMENTO, CALIF., DISTRICT

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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 6.4 MILES UPSTREAM AT DRYTS; 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-----	2,948,882

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	2,948,882	188,299	2,489,179	335,428	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-----	3,306	3,306			
1491 CLAY-----	3,356		3,356		
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		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-----	6	2	4		
2841 SOAP-----	36		36		
2891 PAINTS-----	25	22	3		
2871 NITROGENOUS CHEM FERTILIZERS-----	190,244	188,299		86,879	3,908
2876 INSECTICIDES, DISINFECTANTS-----	2		2		
2879 FERTILIZER AND MATERIALS, NEC-----	9,930	9,989	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-----	3,090	3,089	1		
3316 IRON AND STEEL PLATES, SHEETS-----	469	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-----	190	132	16		
3511 MACHINERY, EXCEPT ELECTRICAL-----	422	19	483		
3611 ELECTRICAL MACH AND EQUIP-----	14	2	14		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	340	337	3		
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 INCLUDED: FROM MOUTH OF NEW YORK SLOUGH TO CITY OF STOCKTON, 41 MILES; FROM STOCKTON CHANNEL TO HILLS FERRY, 84 MILES.
CONTROLLING DEPTH: MOUTH OF RIVER TO HORNON CHANNEL, STOCKTON, 29 FEET; OTHER CONNECTING CHANNELS, 2 FEET TO 9 FEET; TO EDISON STREET,
22 FEET. PROJECT DEPTH: 30 FEET FROM THE MOUTH OF NEW YORK SLOUGH TO HORNON CHANNEL AT STOCKTON; 30 FEET FROM HORNON 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	2,636,922
1974	3,722,780	1979	3,104,958
1975	4,124,421	1980	3,928,171

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INBOUND	DOWNBOUND	THROUGH
TOTAL	3,928,171	846,591	1,788,269	299,241	62,974	513,137	2,000	410,419
0101 COTTON, RAW	22,118		22,118					
0102 CORN	161,701		161,701					
0104 OATS	22,047		22,047					
0105 RICE	20,262		20,262					
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					
0641 CRUDE RUBBER AND ALLIED BUMS	41		41					
0641 FOREST PRODUCTS, NEC	2,000		2,000					
0911 FRESH FISH, EXCEPT SHELLFISH	1,046		1,046					
1091 ALUMINUM ORES, CONCENTRATES	66,226		66,226					
1091 NONFERROUS ORES, CONCENTRATES	5,567		5,567					
1411 LIMESTONE	469,063		469,063					
1442 SAND, GRAVEL, CRUSHED ROCK	779,821		779,821					
1451 CLAY	79,127		79,127					
1471 PHOSPHATE ROCK	49,643		49,643					
1491 SALT	186,480		186,480					
1492 SULPHUR, DRY	177,393		177,393					
1499 NONMETALLIC MINERALS, NEC	14		14					
2011 MEAT, FRESH, CHILLED, FROZEN	37		37					
2012 MEAT AND PRODUCTS, NEC	43		43					
2014 YELLOW 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	39,399		39,399					
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 LIDS	3,093		3,093					
2410 WOOD CHIPS, STAVES, HOLDINGS	31,167		31,167					
2421 LUMBER	262		262					
2491 WOOD MANUFACTURES, NEC	271		271					
2511 FURNITURE AND FIXTURES	10		10					
2611 PULP	951		951					
2631 PAPER AND PAPERBOARD	18,102		18,102					
2691 PULP AND PAPER PRODUCTS, NEC	3,970		3,970					
2711 PRINTED MATTER	1		1					
2810 SODIUM HYDROXIDE	2,400		2,400					
2812 DYES, PIGMENT, TANNING MATS	4		4					
2819 BASIC CHEMICALS AND PROD, NEC	280,906		280,906					
2821 PLASTIC MATERIALS	40		40					
2831 DRUGS	71		71					
2841 SOAP	3		3					
2891 PAINTS	70		70					
2871 NITROGENOUS CHEM FERTILIZERS	168,967		168,967					
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					
2919 RESIDUAL FUEL OIL	29,418		29,418					
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	93		93					
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		499					
3611 ELECTRICAL MACH AND EQUIP	67		67					

SACRAMENTO, CALIF., DISTRICT

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

FREIGHT TRAFFIC, 1988--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		INTERNAL		YANQUIN BOUND
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INBOUND	DOWNBOUND	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	121	-----	121	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	3	-----	2	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	17	15	-----	-----	-----	-----	-----	-----
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	-----	-----	-----	-----	-----	-----
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 NORMON CHANNEL; 8 FEET IN NORMON 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-----	1,469,985
1972-----	1,514,790	1977-----	1,520,991
1973-----	1,806,900	1978-----	1,554,482
1974-----	1,476,216	1979-----	1,617,588
1975-----	1,856,670	1980-----	1,995,439

FREIGHT TRAFFIC, 1988

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COUNTY
		IMPORTS	EXPORTS	RECEIPTS
TOTAL-----	1,995,439	350,181	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	-----	-----
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	79	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	166	19	-----	-----
2042 PREPARED ANIMAL FEEDS-----	39,350	-----	39,350	-----
2049 GRAIN MILL PRODUCTS, NEC-----	6	2	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	1,103	-----	1,103	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	248	62	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	50	39	-----	-----
2212 TEXTILE FIBERS, NEC-----	12	12	-----	-----
2311 APPAREL-----	13	13	-----	-----
2411 LOGS-----	3,093	-----	3,093	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	31,167	-----	31,167	-----
2421 LUMBER-----	262	-----	262	-----
2491 WOOD MANUFACTURES, NEC-----	271	3	-----	-----
2511 FURNITURE AND FIXTURES-----	8	7	-----	-----
2611 PULP-----	951	-----	951	-----
2631 PAPER AND PAPERBOARD-----	18,182	17	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	3,970	2	-----	-----
2711 PRINTED MATTER-----	1	1	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	4	-----	4	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	129,483	119,952	4,695	9,876
2821 PLASTIC MATERIALS-----	40	-----	40	-----
2831 DRUGS-----	71	-----	71	-----
2841 SOAP-----	3	3	-----	-----
2891 PAINTS-----	70	69	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	168,967	55,698	8,285	105,592
2876 INSECTICIDES, DISINFECTANTS-----	19	-----	19	-----
2879 FERTILIZER AND MATERIALS, NEC-----	56,356	-----	56,356	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	1,499	1	-----	-----
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	COASTWISE 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		
3111 LEATHER AND LEATHER PRODUCTS-----	11		11	
3211 GLASS AND GLASS PRODUCTS-----	11	8		
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	145	124
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 ORWOOD; FROM ORWOOD TO FABIAN-BELLCANAL AT GRANT LINE BRIDGE; GRANT LINE CANAL WEST OF DOUGHTY CUT; DOUGHTY CUT OF 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 6 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-----	3,405
1974-----	70,952	1979-----	24,628
1975-----	32,891	1980-----	307,221

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	INTERNAL
1442 SAND, GRAVEL, CRUSHED ROCK-----	INBOUND
	307,221
TOTAL TON-MILES, 1,610,520.	

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

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MOSS LANDING HARBOR, 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-----	791,626
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		29,205	.04	
PETALUMA RIVER, CALIF.				1,354	194,708		196,062	.27	
NAPA RIVER, CALIF.				3,745,612	3,019,001	47,829	17,272,229	23.85	8,869,713
CARQUINEZ STRAIT, CALIF.	1,165,259	375,348	8,919,188	657,463	142,296	10,595	1,215,339	1.68	6,877,904
SUISUN BAY CHANNEL, CALIF.	25,521	51,274	328,190						
SUISUN CHANNEL, CALIF.					15,967		2,984,769	4.10	
SACRAMENTO RIVER, CALIF.	120,299	2,489,175	335,428	3,900	923,556	2,000	3,920,171	5.42	410,419
SAN JOAQUIN RIVER, CALIF. AND TRIB.	848,501	1,788,209	295,241	62,574					
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	442,482	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	455,949	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	197,006	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	259,613	5,945,787	31,258	12,581,219	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 KOKELUMNE, 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	15,508,348	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	6,630,775	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	59,442,177
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, 35.2 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), 42.5 FEET; BLOSSOM ROCK, 40 FEET; ALCATRAZ SHOAL, 34.6 FEET; ARCH, HARDING ROCKS, 34.7 FEET; SHAG 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, SHAG, 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	16,798	80,917	37,675	1978--	2,317,965	33,293	8,750	9,522	18,272
1974--	3,913,071	16,606	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		LOCAL		
		IMPORTS	EXPORTS	COASTWISE			INTERNAL	
				RECEIPTS	SHIPMENTS		RECEIPTS	SHIPMENTS
TOTAL-----	1,752,193	721,625	796,949	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	1,182	34					
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	2	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-----	11,670	285	11,385					
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-----	97,618	85,490	12,128					
2092 ANIMAL OILS AND FATS, NEC-----	5		5					
2099 MISCELLANEOUS FOOD PRODUCTS-----	27,679	12,115	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	104	375					
2416 WOOD CHIPS, STAVES, MOLDINGS-----	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					
2911 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	199	1,805					
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-----	9,415	511	8,904					
2822 SYNTHETIC RUBBER-----	476		476					
2823 SYNTHETIC (MAN-MADE) FIBERS-----	94	88	6					

SAN FRANCISCO, CALIF., DISTRICT

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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	240	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	4	455	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	8,201	1,775	3,807	-----	-----	2,619	-----	-----
2911 GASOLINE-----	35,340	35,091	249	-----	-----	-----	-----	-----
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	-----	-----	-----	-----	-----
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-----	44,529	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 SHOAL; 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-----	467,067	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-----	292,765	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 RECEIPTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS
3201 CUT STONE AND STONE PRODUCTS-----	12	12				
3319 IRON, STEEL SHAPES, EXC SHEET-----	134	134				
3411 FABRICATED METAL PRODUCTS-----	30		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 8.5 MILES. CONTROLLING DEPTHS: 32.9 FEET IN THE ENTRANCE CHANNEL OF THE OUTER HARBOR TO BART TUBE; 33.1 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 FORTHMAN 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 DEPTHS: 35 FEET IN THE ENTRANCE CHANNEL TO THE OUTER HARBOR; 35 FEET IN THE OUTER HARBOR; 35 FEET IN THE ENTRANCE CHANNEL TO THE INNER HARBOR; 35 FEET IN THE INNER HARBOR TO THE PARK STREET BRIDGE; 25 FEET IN THE TIDAL CANAL TO SAN LEANDRO BAY; 35 FEET FOR A DISTANCE OF 1,300 FEET THENCE 25 FEET IN NORTH CHANNEL OF BROOKLYN BASIN (MAINTAINED 18 FEET).

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	ADDITIONAL TRAFFIC CAR FERRY-RAILROAD CARS			YEAR	TONS	ADDITIONAL TRAFFIC CAR FERRY-RAILROAD CARS		
		EMPTY	LOADED	TOTAL			EMPTY	LOADED	TOTAL
1971-----	5,339,899	8,905	11,345	20,250	1976-----	6,634,278	4,955	5,681	10,556
1972-----	5,907,709	9,143	11,032	20,195	1977-----	6,828,938	4,829	5,545	10,365
1973-----	7,414,679	7,239	8,448	15,687	1978-----	6,937,246	5,051	5,732	10,783
1974-----	6,811,770	6,392	7,785	14,177	1979-----	6,840,202			
1975-----	6,186,033	5,524	6,101	11,625	1980-----	7,313,533			

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	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-----	11,258		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	18,449	95					
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	3,545	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		1	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 DRES, CONCENTRATES-----	3,944	2,780	1,164					
1091 NONFERROUS DRES, 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	252,946	5,520	
1491 CLAY-----	32,254	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-----	91,856	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-----	14,586	13,325	1,044	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

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OAKLAND HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1968--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	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			
2061 SUGAR	37,778	316	14,164	21,918	1,780			
2062 MOLASSES	82,682	2	7	82,673				
2081 ALCOHOLIC BEVERAGES	171,954	60,761	25,303	2,480	83,320			
2091 VEGETABLE OILS, MARG, SHORT	46,657	6,572	35,126		4,959			
2092 ANIMAL OILS AND FATS, NEC	458	455	3					
2094 GROCERIES	54,826			314	54,912			
2099 MISCELLANEOUS FOOD PRODUCTS	210,728	32,615	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	1,155	76	40	47	972			
2414 TIMBER, POSTS, POLES, PILING	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	2,347	1,514	6,071			
2611 PULP	42,257	18,413	23,844					
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	15	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	8,122		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			
2861 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	2,058		5,934			
2913 KEROSENE	262		274		8			
2914 DISTILLATE FUEL OIL	359		355		4			
2915 RESIDUAL FUEL OIL	328,501				80,850	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	685		685					
2951 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	4,048			
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	4,403	80	645	80	3,958			
3251 STRUCTURAL CLAY PRODUCTS	20,332	12,333	6,491		1,508			
3271 LIME	75		16		59			
3281 CUT STONE AND STONE PRODUCTS	3,980	3,023	220		745			
3291 MISC NONMETALLIC MINERAL PROD	91,050	49,288	8,150	2	33,618			
3312 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	5,054	12,955	15	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	6,994	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			
3911 MACHINERY, EXCEPT ELECTRICAL	194,895	73,396	109,033	2,720	9,708			
3611 ELECTRICAL MACH AND EQUIP	146,857	84,497	39,218	10,797	12,353			
3711 MOTOR VEHICLES, PARTS, EQUIP	155,573	58,275	40,328	10,139	46,031			
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	89	298			
3811 INSTR, TIME, PHOTO, OPT GOODS	28,340	11,681	8,863		46			
3911 MISC MANUFACTURED PRODUCTS	129,630	70,336	6,873	3,618	49,063			
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	154,539		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					

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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 DEPTH: 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 APPEX 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; 24.5 FEET IN APPROACH TO POINT ORIENT; 24.5 FEET IN APPROACH TO POINT SAN PABLO; 38.6 FEET AT MOLATE POINT; AND 33.4 FEET IN WEST RICHMOND CHANNEL. PROJECT DEPTH: 35 FEET IN CONNECTING CHANNEL FROM SAN FRANCISCO BAY TO WHARF APPROACH AREA; 45 FEET IN APPROACH AREA TO RICHMOND LONG WHARF; 35 FEET TO TURNING BASIN; 35 FEET TO POINT POTRERO; 35 FEET IN SANTA FE CHANNEL FOR APPROXIMATELY 2,000 FEET THENCE 30 FEET IN THE REMAINDER OF SANTA FE CHANNEL AND TURNING BASIN; 20 FEET IN CHANNEL EAST OF POINT SAN PABLO CHANNEL; 32 FEET IN APPROACH TO POINT ORIENT; 32 FEET IN APPROACH TO POINT SAN PABLO.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	ADDITIONAL TRAFFIC CAN FERRY-RAILROAD CARS			YEAR	TONS	ADDITIONAL TRAFFIC CAN FERRY-RAILROAD CARS		
		EMPTY	LOADED	TOTAL			EMPTY	LOADED	TOTAL
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	3,819	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 RECEIPTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS	INTERNAL 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					
0119 WHEAT-----	93,364		93,364					
0119 OILSEEDS, NEC-----	26	14	12					
0121 TOBACCO, LEAF-----	12	12						
0129 FIELD CROPS, NEC-----	104		104					
0133 FRESH FRUITS AND TREE NUTS-----	88	8	88					
0133 COFFEES-----	18		18					
0134 COCOA BEANS-----	39	39						
0141 FRESH AND FROZEN VEGETABLES-----	1,034	94	940					
0141 ANIMALS AND PRODUCTS, NEC-----	269	136	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 SHELLFISH-----	21	21						
0912 SHELLFISH, EXCEPT PREPARED-----	14	4	8					
1051 ALUMINUM ORES, CONCENTRATES-----	21,390	21,390						
1091 NONFERROUS ORES, CONCENT, NEC-----	16,822	16,822						
1121 COAL AND LIGNITE-----	75	75						
1311 CRUDE PETROLEUM-----	10,463,998	1,712,973		6,892,203	85,238	1,823,192		
1411 LIMESTONE-----	142,794	142,792	2					
1421 SAND, GRAVEL, CRUSHED ROCK-----	1,709		89			1,620		
1451 CLAY-----	4,828		4,828					
1499 NONMETALLIC MINERALS, NEC-----	183		183					
1911 ORDONANCE AND ACCESSORIES-----	109	109	4					
2011 MEAT, FRESH, CHILLED, FROZEN-----	178	20	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					
2021 DRIED MILK AND CREAM-----	204		204					
2031 FISH AND SHELLFISH, 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		
2061 ALCOHOLIC BEVERAGES-----	194	63	133					
2091 VEGETABLE OILS, MARG, SHORT-----	131,403	180,581	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	240					
2112 TEXTILE FIBERS, NEC-----	571		571					
2112 APPAREL-----	282	289	53					
2411 LUMBER-----	459	173	286					
2431 VENEER, PLYWOOD, WORKED WOOD-----	74	60	14					
2431 WOOD MANUFACTURES, NEC-----	994	343	651					
2511 FURNITURE AND FIXTURES-----	1,109	1,028	81					
2611 PAPER AND PAPERBOARD-----	463	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		1,244			
2819 BASIC CHEMICALS AND PROD, NEC-----	270,394	15,883	106,051	80,160	48,448			19,854
2821 PLASTIC MATERIALS-----	5,323	153	5,170					
2822 SYNTHETIC RUBBER-----	850		850					
2823 SYNTHETIC (MAN-MADE) FIBERS-----	209	191	18					
2831 DRUGS-----	114	23	93					
2841 SOAP-----	6,781	2,486	1,231		3,864			
2851 PAINTS-----	630	515	115					
2861 GUM AND WOOD CHEMICALS-----	10,406			10,406				

SAN FRANCISCO, CALIF., DISTRICT

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RICHMOND HARBOR, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1960--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2871 NITROGENOUS CHEM FERTILIZERS-----	6,496				6,496			
2876 INSECTICIDES, DISINFECTANTS-----	60		60					
2879 FERTILIZER AND MATERIALS, NEC-----	27,426		12	27,414				
2891 MISCELLANEOUS CHEMICAL PROD-----	9,630	110	2,901				2,619	
2911 GASOLINE-----	946,772	89,749	39,958	69,694	737,406	22,922	39,095	
2912 JET FUEL-----	113,481			88,266	25,135			
2913 KEROSENE-----	346,959			5,250	355,709			
2914 DISTILLATE FUEL OIL-----	1,133,690	46,700	10,710	125,559	881,362	53,281	5,237	10,001
2915 RESIDUAL FUEL OIL-----	3,019,236		71,761	408,384	2,040,194	132,210	343,400	23,279
2916 LUBRICATING OILS AND GREASES-----	440,140	119,000	2,200	199,837	111,870	10,137		1,256
2917 NAPHTHA, PETROLEUM SOLVENTS-----	89,849			66,402	32,837			1,410
2918 ASPHALT, TAR, AND PITCHES-----	299,904		30	7,064	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-----	1,079	318	761					
3261 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-----	10,046	10,084	42					
3316 IRON AND STEEL PLATES, SHEETS-----	90		90					
3317 IRON AND STEEL PIPE AND TUBE-----	957	515	42					
3318 FERROALLOYS-----	92,420	82,420						
3319 IRON AND STEEL PRODUCTS, NEC-----	744	587	157					
3321 NONFERROUS METALS, NEC-----	22	14	8					
3322 COPPER ALLOYS, UNWORKED-----	79	77	2					
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,063		2,063					
3411 FABRICATED METAL PRODUCTS-----	5,113	3,927	299			1,267	20	
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,769	1,051	1,716					
3611 ELECTRICAL MACH AND EQUIP-----	1,070	379	691					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	44,288	43,333	875					
3731 SHIPS AND BOATS-----	684	69	6			529		
3791 MISC TRANSPORTATION EQUIPMENT-----	39	13	26					
3811 INSTR, TIME, PHOTO, OPT GOODS-----	370	196	174					
3911 MISC MANUFACTURED PRODUCTS-----	1,550	1,276	282					
4011 IRON AND STEEL SCRAP-----	172,391	6	172,385					
4012 NONFERROUS METAL SCRAP-----	38,564	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 FINGER 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-----	32,656,140
1973-----	27,176,329	1978-----	29,897,918
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-----	234,930				234,930
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				22
0161 ANIMALS AND PRODUCTS, NEC-----	1				1
0841 CRUDE RUBBER AND ALLIED GUMS-----	41			40	1
0861 FOREST PRODUCTS, NEC-----	3		2		
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,091		2		1,086
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
1391 NONFERROUS ORES, CONCENT, NEC-----	5,567	-----	-----	5,567	-----
1311 CRUDE PETROLEUM-----	1,098,275	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-----	754,680	-----	-----	-----	754,680
2421 LUMBER-----	308	-----	-----	38	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	546	-----	117,076	5,815
2821 PLASTIC MATERIALS-----	205	-----	-----	148	57
2831 DRUGS-----	79	-----	-----	2	77
2841 SOAP-----	56	-----	-----	4	52
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	-----	-----	9,909	56,377
2891 MISCELLANEOUS CHEMICAL PROD-----	1,526	-----	-----	57	1,469
2911 GASOLINE-----	237,917	17,282	-----	220,635	-----
2915 RESIDUAL FUEL OIL-----	576,030	-----	531,453	-----	44,577
2916 LUBRICATING OILS AND GREASES-----	195,356	52,287	-----	65,878	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	-----	-----	16	4
3241 BUILDING CEMENT-----	84,309	-----	-----	84,309	-----
3251 STRUCTURAL CLAY PRODUCTS-----	197	-----	-----	187	-----
3291 MISC NONMETALLIC MINERAL PROD-----	105	-----	-----	77	28
3315 IRON, STEEL SHAPES, EXC 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	-----	-----	1,569	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, 100,034,922.					

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND	INBOUND	OUTBOUND	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

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

FREIGHT TRAFFIC, 1980--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	UPBOUND	THROUGH DOWNBOWN	INBOUND	OUTBOUND	UPBOUND	THROUGH DOWNBOWN
1471 PHOSPHATE ROCK-----	49,843	-----	-----	49,843	-----	-----	-----	-----	-----
1491 SALT-----	106,400	-----	-----	-----	-----	-----	-----	106,400	-----
2061 SUGAR-----	1,078,512	-----	-----	800,081	-----	-----	-----	-----	278,431
2062 MOLASSES-----	23,886	-----	-----	23,886	-----	-----	-----	-----	-----
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	-----	-----	191,671	3,900	-----	-----	-----	-----
2911 GASOLINE-----	2,149,258	4,193	787,697	163,877	1,221,954	-----	-----	39,055	22,922
2912 JET FUEL-----	239,857	15,695	-----	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	1,516,971	2,459,253	-----	4,512	30,090	147,173
2916 LUBRICATING OILS AND GREASES-----	331,156	17,283	101,101	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	-----	-----	241	1,598	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	26,187	4,888	-----	-----	-----	-----	-----	-----	22,187
3411 FABRICATED METAL PRODUCTS-----	9,962	-----	-----	-----	-----	3,131	248	320	2,271
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,143	-----	-----	124	869	-----	190	-----	-----
3731 SHIPS AND BOATS-----	2,601	-----	-----	-----	489	1,858	-----	-----	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	COASTWISE	
				UPBOUND	DOWNBOWN			UPBOUND	DOWNBOWN
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	-----	-----	-----	-----
0141 ANIMALS AND PRODUCTS, NEC-----	1	1	-----	-----	-----	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	41	-----	-----	40	1	-----	-----	-----	-----
0841 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	240,692	-----
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	-----	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	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	562	356	-----	-----	19	-----	-----	-----	-----
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	25		3	4				
2061 SUGAR-----	880,881					880,881			
2062 MOLASSES-----	23,886					23,886			
2081 ALCOHOLIC BEVERAGES-----	58	58							
2091 VEGETABLE OILS, MARG, SHORT-----	1,114	5			1,109				
2099 MISCELLANEOUS FOOD PRODUCTS-----	458			67	226				
2211 BASIC TEXTILE PRODUCTS-----	126	6		70	50				
2212 TEXTILE FIBERS, NEC-----	12			12					
2311 APPAREL-----	16	2		14					
2411 LOGS-----	91,814				91,814				
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	5,611	9,484		288,533	40,192
2821 PLASTIC MATERIALS-----	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	8,285			191,671	3,988
2876 INSECTICIDES, DISINFECTANTS-----	21				21				
2879 FERTILIZER AND MATERIALS, NEC-----	66,286			9,909	56,377				
2891 MISCELLANEOUS CHEMICAL PROD-----	1,926	56		1	1,469				
2911 GASOLINE-----	1,645,666	220,639				163,877	992,036		229,918
2912 JET FUEL-----	224,252					30,421	98,769	95,862	
2914 DISTILLATE FUEL OIL-----	423,118					189,685	100,837	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	66,811	156,479	24,199	147
2917 NAPHTHA, PETROLEUM SOLVENTS-----	60,038					35,214	24,199	625	
2918 ASPHALT, TAR, AND PITCHES-----	19,915						19,915		
2920 COKE, PETROLEUM COKE-----	931,895		275,015		656,880				
2991 PETROLEUM AND COAL PROD, NEC-----	1,839						1,558	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-----	84,589	423		83,886					
3291 STRUCTURAL CLAY PRODUCTS-----	107	107							
3291 MISC NONMETALLIC MINERAL PROD-----	105	49		28	28				
3315 IRON, STEEL SHAPES, EXC SHEET-----	4,242	22		4,219	1				
3316 IRON AND STEEL PLATES, SHEETS-----	489			469	220				
3317 IRON AND STEEL PIPE AND TUBE-----	1,811	312		1,257	242				
3319 IRON AND STEEL PRODUCTS, NEC-----	153			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-----	368	124		156	84				
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,010	42		251	946			124	
3611 ELECTRICAL MACH AND EQUIP-----	234	79		28	54				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	190,242	188,955		626	357	124			
3731 SHIPS AND BOATS-----	9			5					
3811 INSTR, ME, PHOTO, OPT GOODS-----	13	5		2	1				
3911 MISC MANUFACTURED PRODUCTS-----	176	132		6	24				
4011 IRON AND STEEL SCRAP-----	115,438				115,438				
4012 NONFERROUS METAL SCRAP-----	9,947			9,947					
4024 PAPER WASTE AND SCRAP-----	123			55	88				
4112 COMMODITIES, NEC-----	22	3		17	2				
9999 DEPARTMENT OF DEFENSE AND SCI-----	399		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	2,486,255	-----	28,787	60,631	-----
1442	SAND, GRAVEL, CRUSHED ROCK-----	752,743	-----	-----	-----	752,743	-----
1491	SALT-----	186,480	-----	-----	-----	186,480	-----
2001	SUGAR-----	278,431	-----	278,431	-----	-----	-----
2911	GASOLINE-----	68,590	45,688	6,603	-----	-----	16,319
2914	DISTILLATE FUEL OIL-----	75,028	5,237	32,245	6,628	-----	30,916
2915	RESIDUAL FUEL OIL-----	190,400	30,088	132,474	10,781	-----	17,057
2916	LUBRICATING OILS AND GREASES-----	1,633	-----	-----	1,633	-----	-----
3411	FABRICATED METAL PRODUCTS-----	300	-----	-----	-----	300	-----
TON-MILES, INTERNAL. 27,087,179.							
TONS, ALL TRAFFIC. 25,341,942.							
TON-MILES, ALL TRAFFIC. 171,246,626.							

SAN FRANCISCO, CALIF., DISTRICT

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SUISUN BAY CHANNEL, CALIF.

SECTION INCLUDED: SUISUN BAY CHANNEL FROM SUISUN POINT AT WEST END OF BENICIA-MARTINEZ BRIDGE TO EAST REACH OF MIDDLEGROUND ISLAND THENCE TO MOUTH OF NEW YORK SLOUGH. CONTROLLING DEPTH: 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 REACH 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	5,323,069	25,921	91,274	968,890	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 GUMS	41			40	1
0911 FRESH FISH, EXCEPT SHELLFISH	1,888			42	1,846
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	38,745			38,745	
1451 CLAY	78,483				78,483
1491 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	766				766
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
2921 PLASTIC MATERIALS	80			23	57
2931 DRUGS	79			2	77
2941 SOAP	39			3	36
2951 PAINTS	95			91	4
2971 NITROGENOUS CHEM FERTILIZERS	163,640			155,395	8,285
2976 INSECTICIDES, DISINFECTANTS	21				21
2979 FERTILIZER AND MATERIALS, NEC	66,286			9,909	56,377
2991 MISCELLANEOUS CHEMICAL PROD	1,470			1	1,469
2916 LUBRICATING OILS AND GREASES	77,041	25,921	91,274		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				20
3315 IRON, STEEL SHAPES, EXC SHEET	4,220			4,219	1
3316 IRON AND STEEL PLATES, SHEETS	689				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	94
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
4012 NONFERROUS METAL SCRAP-----	9,947	-----	-----	9,947	-----
4024 PAPER WASTE AND SCRAP-----	68	-----	-----	-----	68
4112 COMMODITIES, NEC-----	19	-----	-----	17	2
9999 DEPARTMENT OF DEFENSE AND SC-----	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	240,692	-----	-----	-----	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	17,097	-----	-----
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
3511 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-----	1,431,938	-----	1,431,938	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	1,025,170	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	-----	-----
2511 FURNITURE AND FIXTURES-----	45	45	-----	-----

SAN FRANCISCO, CALIF., DISTRICT

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HUMBOLDT HARBOR AND BAY, CALIF.--CONTINUED

FREIGHT TRAFFIC, 1966--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC
		IMPORTS	EXPORTS	COASTWISE 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
2810 SULPHURIC ACID-----	5,472			5,472
2810 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-----	73,853			73,853
3011 RUBBER AND MISC PLASTIC PROD-----	230	230		
3211 GLASS AND GLASS PRODUCTS-----	1	1		
3291 MISC NONMETALLIC MINERAL PROD-----	2	2		
3315 IRON, STEEL SHAPES, EXC SHEET-----	6,493	6,493		
3317 IRON AND STEEL PIPE AND TUBE-----	34	34		
3411 FABRICATED METAL PRODUCTS-----	43	34		9
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		
BODEGA 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		
	3511 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-----	11,159,080		
	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

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HILO HARBOR, HAWAII, HAWAII

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-----	995,944	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-----	1,093,879	13,613	1980-----	1,102,019	-----

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COUNTY		INTERNAL
				RECEIPTS	SHIPMENTS	RECEIPTS
TOTAL-----	1,102,019	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-----	4,658	-----	-----	4,341	317	-----
0151 LIVE ANIMALS-----	1,377	-----	-----	530	847	-----
0161 ANIMALS AND PRODUCTS, NEC-----	957	-----	-----	557	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	1,009	-----	-----	79	1,030	-----
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-----	9,701	-----	-----	8,179	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	-----	-----	15,863	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	20	-----
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	-----	-----	419	-----	-----
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	3,169			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	
3911 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	

KAWAII HARBOR, HAWAII, HAWAII

SECTION INCLUDED: PORT OF KAWAII, 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	355,546	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	839			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

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KAHULUI HARBOR, MAUI, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INVENTORY
TOTAL	1,441,524	31,916	46,270	793,938	689,326	64
0105 RICE	2,049		8	2,041		
0122 HAY AND FODDER	112			112		
0131 FRESH FRUITS AND TREE NUTS	1,615		7	859	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	12,600				12,600	
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	5,552	
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	270,445		5	766	269,674	
2062 MOLASSES	90,094		38,947		51,587	
2081 ALCOHOLIC BEVERAGES	10,936		11	10,936		
2091 VEGETABLE OILS, MARG, SHORT	765			765		
2094 GROCERIES	5,453			5,452	1	
2099 MISCELLANEOUS FOOD PRODUCTS	27,390		29	16,843	10,527	
2111 TOBACCO MANUFACTURES	2		2			
2211 BASIC TEXTILE PRODUCTS	396	1		395		
2411 LOGS	7,540		7,540			
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			6,226	5,593	
2511 FURNITURE AND FIXTURES	4,355			4,350	5	
2631 PAPER AND PAPERBOARD	1,165			1,158	7	
2691 PULP AND PAPER PRODUCTS, NEC	10,507		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	1,014			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	94,923			94,923		
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 BITUMENS	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	3,063			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	70,156	
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-----	3,944,057	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	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	75,566	51,802	15,628
2915 RESIDUAL FUEL OIL-----	947,661	650,968	-----	297,593	-----
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	796,694	1977-----	6,881,556	303,291
1973-----	8,188,466	989,100	1978-----	7,750,537	183,721
1974-----	7,556,891	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		INTERNAL	LOCAL
				RECEIPTS	SHIPMENTS		
TOTAL-----	7,446,270	1,174,591	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	35,066	6,767	-----	-----
0107 WHEAT-----	24,816	-----	-----	24,816	-----	-----	-----
0111 SOYBEANS-----	234	1	2	231	-----	-----	-----
0119 OILSEEDS, NEC-----	82	82	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	99	99	-----	-----	-----	-----	-----
0122 HAY AND FODDER-----	5,454	-----	-----	5,454	-----	-----	-----
0129 FIELD CROPS, NEC-----	305	11	-----	294	-----	-----	-----
0131 FRESH FRUITS AND TREE NUTS-----	303,352	1,071	2,361	241,671	58,249	-----	-----
0133 COFFEE-----	3,215	56	16	2,759	784	-----	-----
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	100	-----	-----	331	-----
0912 SHELLFISH, EXCEPT PREPARED-----	3,854	258	42	3,046	546	12	-----
0931 MARINE SHELLS, UNMANUFACTURED-----	4	-----	-----	4	-----	-----	-----
1091 NONFERROUS DRES, 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	-----	-----	22	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	58,661	34,367	-----	20,799	3,495	-----	-----

PACIFIC OCEAN DIVISION

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HONOLULU HARBOR, OAHU, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1968--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	LOCAL
				RECEIPTS	SHIPMENTS	RECEIPTS	
1451 CLAY-----	655			655			
1471 PHOSPHATE ROCK-----	80			80			
1491 SALT-----	4,315		7	4,355	593		
1492 SULPHUR, DRY-----	5			5			
1493 SULPHUR, LIQUID-----	23				23		
1494 GYPSUM, CRUDE AND PLASTERS-----	12,086			9,192	2,894		
1499 NONMETALLIC MINERALS, NEC-----	9,250			9,846	4		
1911 ORDNANCE AND ACCESSORIES-----	142	4	1	13	124		
2011 MEAT, FRESH, CHILLED, FROZEN-----	89,271	6,216	496	72,495	10,004		
2012 MEAT AND PRODUCTS, NEC-----	421	35	386				
2014 TALLOW, ANIMAL FATS AND OILS-----	253		253				
2015 ANIMAL BY-PRODUCTS, NEC-----	482			201	201		
2021 DAIRY PRODUCTS, NEC-----	10,842	759	31	9,282	770		
2022 DRIED MILK AND CREAM-----	1,167	600	511	20	20		
2031 FISH AND SHELLFISH, PREPARED-----	2,491	2,407	24	60			
2034 VEGETABLES AND PREP, NEC-----	131,440	2,901	410	101,462	26,867		
2039 PREP FRUIT AND VEG JUICE, NEC-----	404,941	2,292	2,129	114,331	286,209		
2041 WHEAT FLOUR AND SEMOLINA-----	12,451		2,109	9,554	786		
2042 PREPARED ANIMAL FEEDS-----	136,678	5,304	2,347	82,307	46,720		
2049 GRAIN MILL PRODUCTS, NEC-----	10,868	1,078	136	17,438	216		
2061 SUGAR-----	144,488	2	1,335	2,904	140,647		
2062 MOLASSES-----	175,423			54,578	120,853		
2081 ALCOHOLIC BEVERAGES-----	187,279	2,227	1,597	198,667	24,788		
2091 VEGETABLE OILS, MARG, SHORT-----	15,733	102	204	14,665	1,465		
2094 GROCERIES-----	107,688			92,415	15,243		
2099 MISCELLANEOUS FOOD PRODUCTS-----	129,977	2,892	3,607	72,874	50,404		
2111 TOBACCO MANUFACTURES-----	2,853	20	47	2,717	69		
2211 BASIC TEXTILE PRODUCTS-----	12,956	1,315	76	10,674	891		
2212 TEXTILE FIBERS, NEC-----	234			234			
2311 APPAREL-----	293	238	55				
2411 LOGS-----	728		303	425			
2413 FUEL WOOD, CHARCOAL, WASTES-----	4,287		5	3,399	883		
2414 TIMBER, POSTS, POLES, PILING-----	498		1	24	433		
2421 LUMBER-----	281,241	3,649	1,821	167,802	27,989		
2431 VENEER, PLYWOOD, WORKED WOOD-----	24,188	358	346	19,802	3,682		
2491 WOOD MANUFACTURES, NEC-----	105,737	1,605	22	35,571	68,539		
2511 FURNITURE AND FIXTURES-----	40,823	1,667	97	25,927	13,132		
2611 PULP-----	419		419				
2621 STANDARD NEWSPRINT PAPER-----	12,291			12,291			
2631 PAPER AND PAPERBOARD-----	69,065	25,613	720	39,837	2,895		
2691 PULP AND PAPER PRODUCTS, NEC-----	109,259	412	218	70,265	38,364		
2711 PRINTED MATTER-----	5,838	441	53	5,284	60		
2810 SODIUM HYDROXIDE-----	4,719			4,709	10		
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	11						
2812 DYES, PIGMENT, TANNING MATS-----	1,341			1,341			
2813 ALCOHOLS-----	2,245			1,080	1,165		
2816 RADIOACTIVE MATERIALS, WASTES-----	65				65		
2818 SULPHURIC ACID-----	446			7	439		
2819 BASIC CHEMICALS AND PROD, NEC-----	19,362	325	52	17,691	1,294		
2821 PLASTIC MATERIALS-----	12,039	421	172	8,485	2,961		
2822 SYNTHETIC RUBBER-----	125		125				
2823 SYNTHETIC (MAN-MADE) FIBERS-----	30	18		12			
2831 DRUGS-----	3,713	20	7	3,685	1		
2841 SOAP-----	32,382	105	304	29,260	2,633		
2851 PAINTS-----	14,017	417	87	12,520	993		
2861 GUM AND WOOD CHEMICALS-----	15			15			
2871 NITROGENOUS CHEM FERTILIZERS-----	94,886	9,527		62,260	23,099		
2872 POTASSIC CHEM FERTILIZERS-----	3		3				
2873 PHOSPHATIC CHEM FERTILIZERS-----	1,579	1,579					
2876 INSECTICIDES, DISINFECTANTS-----	6,835		13	4,888	1,934		
2879 FERTILIZER AND MATERIALS, NEC-----	16,373	195	110	8,748	7,320		
2891 MISCELLANEOUS CHEMICAL PROD-----	10,526	273	44	7,622	2,587		
2911 GASOLINE-----	1,085,466	772,932	13,810	84,812	210,635		1,277
2912 JET FUEL-----	90,413			83,105	7,228		
2913 KEROSENE-----	103,889		1,261	102,028			
2914 DISTILLATE FUEL OIL-----	61,912	6,331	9,479	4,965	41,537		
2915 RESIDUAL FUEL OIL-----	227,810	33,395		109,266	85,149		
2916 LUBRICATING OILS AND GREASES-----	23,036	16,345	124	4,205	2,284		
2917 NAPHTHA, PETROLEUM SOLVENTS-----	2			1	1		
2918 ASPHALT, TAR, AND BITUMENS-----	17,438		351	10,139	6,948		
2921 LIQUEFIED GASES-----	7,059	7,051	8				
2951 ASPHALT BUILDING MATERIALS-----	973		4	790	179		
2991 PETROLEUM AND COAL PROD, NEC-----	37,583	20		21,742	14,090		1,731
3011 RUBBER AND MISC PLASTIC PROD-----	26,816	1,577	57	16,896	8,788		
3111 LEATHER AND LEATHER PRODUCTS-----	807	749	2	56			
3211 GLASS AND GLASS PRODUCTS-----	23,832	3,071	39	13,884	6,838		
3241 BUILDING CEMENT-----	148,480	17,306	20	11,987	117,167		
3251 STRUCTURAL CLAY PRODUCTS-----	8,865	3,490	23	4,604	748		
3271 LIME-----	137		15	122			
3281 CUT STONE AND STONE PRODUCTS-----	3,383	498	3	2,446	433		
3291 MISC NONMETALLIC MINERAL PROD-----	120,337	1,020	14	87,168	32,139		
3311 PIG IRON-----	1				14		
3312 SLAG-----	3,389			3,218	171		
3314 IRON AND STEEL PRIMARY FORMS-----	16,604			13,943	3,061		
3315 IRON, STEEL SHAPES, EXC SHEET-----	41,265	25,760	1	2,102	13,402		
3316 IRON AND STEEL PLATES, SHEETS-----	25,282		51	28,864	4,347		
3317 IRON AND STEEL PIPE AND TUBE-----	27,574	4,226	6	9,432	13,908		
3318 FERRALLCOYS-----	381	331					
3319 IRON AND STEEL PRODUCTS, NEC-----	12,478	2,081	1	9,410	986		
3321 NONFERROUS METALS, NEC-----	10,678	4	2	10,824	48		
3322 COPPER ALLOYS, UNWORKED-----	242	241	1				
3323 LEAD AND ZINC, UNWORKED-----	484	217		801	46		
3324 ALUMINUM AND ALLOYS, UNWORKED-----	178	4	138	36			
3411 FABRICATED METAL PRODUCTS-----	759,922	7,579	326	235,439	516,578		

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	261,966	-----	-----
3721 AIRCRAFT AND PARTS-----	134	-----	-----	105	29	-----	-----
3731 SHIPS AND BOATS-----	8,778	235	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	-----	-----	-----	-----

NANILIWILI HARBOR, KAUAI, HAWAII

SECTION INCLUDED: PORT OF NANILIWILI. 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; 35 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-----	582,687	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	-----	-----	1,647	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-----	1,681	-----	-----	1,681	-----	-----
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	-----
2611 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-----	42	-----	-----	42	-----	-----
2821 PLASTIC MATERIALS-----	975	-----	-----	975	-----	-----
2841 SOAP-----	545	-----	-----	545	-----	-----
2851 PAINTS-----	84	-----	-----	40	4	-----
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

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NAWILIWILI HARBOR, KAUAI, HAWAII--CONTINUED

FREIGHT TRAFFIC, 1968--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE		INTERNAL
				RECEIPTS	SHIPMENTS	
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	-----
3511 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-----	1,560	-----	-----	1,300	260	-----
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	-----	-----
	0011 FRESH FISH, EXCEPT SHELLFISH-----	9	-----	-----
	1011 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 PITCHES-----	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	-----	-----
	4011 IRON AND STEEL SCRAP-----	75	-----	-----
	4112 COMMODITIES, NEC-----	21,485	-----	-----
	TOTAL-----	162,926	-----	-----
PORT ALLEN HARBOR, KAUAI, HAWAII-----	0151 LIVE ANIMALS-----	93	-----	-----
	0011 FRESH FISH, EXCEPT SHELLFISH-----	38	-----	-----
	0012 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 PITCHES-----	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-----	2,667	-----	-----
	3241 BUILDING CEMENT-----	3,266	-----	-----
	3291 MISC NONMETALLIC MINERAL PROD-----	2,467	-----	-----

PACIFIC OCEAN DIVISION

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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-----	10,669		

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-----	4,506,615
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				THROUGH	
		SHIPMENTS	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	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 ANIMAL BY-PRODUCTS, NEC-----	8,522			8,522					
2034 VEGETABLES AND PREP, NEC-----	7,551		505	6,928				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			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	2,890	8,628	2,405		
2911 GASOLINE-----	691,677		266,399				381,708	3,660	
2912 JET FUEL-----	30,692						30,692		
2914 DISTILLATE FUEL OIL-----	616,756		419,128				197,628		
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						
3201 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 NONFERROUS 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-----	2,894,656	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

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

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL			
		INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	9,063,613	730,483	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		61,948		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	30,547			
2871 NITROGENOUS CHEM FERTILIZERS-----	26,297	26,297			
2911 GASOLINE-----	397,871	394,811	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				
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	198,347	1,890,276	2.82	
LAKE RIVER, WASH.					1,601	9,490	11,051	.02	
LEWIS RIVER, WASH.					79,840		79,840	.12	
COHLITZ 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.					533,624	192,270	725,294	1.08	
SKIPANON CHANNEL, OREG.					263,358		263,358	.39	
CHINOOK CHANNEL, WASH.					698		698	.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)	6.65	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	52,964,352		
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 MEAN LOW WATER. AT CLAYSOP 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	16,750,715	1976-----	3,768,565	14,886,097	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-----	4,045,315	12,821,383	4,213,078	813,554	21,893,330
1973-----	3,241,298	14,078,204	5,168,877	1,078,418	23,586,797	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	17,893,648	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	862,484	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-----	31,627,967	6,914,260	38,541,767	62,606
1973-----	31,539,367	2,874,280	34,413,567	278	1978-----	37,079,172	5,852,629	43,724,801	91,601
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	7,866,168	44,122,549	10,416	1980-----	42,924,434	6,254,550	49,178,984	81,383

PORTLAND, OREG., DISTRICT

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

FREIGHT TRAFFIC, 1960

OCEANBOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			
		IMPORTS	EXPORTS	THROUGH		RECEIPTS	SHIPMENTS	THROUGH	
				UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL-----	30,118,195	1,031,734	7,993,410	2,620,492	11,674,097	402,688	439,690	6,865,836	350,208
0101 COTTON, RAW-----	130				130				
0102 BARLEY AND RYE-----	474,894		151,685		320,946		2,263		
0103 CORN-----	6,466		38		1,203		5,225		
0104 OATS-----	253,340		143,693		109,647				
0107 WHEAT-----	11,789,096		3,193,123		8,593,603		2,370		
0111 SOYBEANS-----	177				177				
0119 OILSEEDS, NEC-----	82				42				
0121 TOBACCO, LEAF-----	1,679			1,679					
0129 FIELD CROPS, NEC-----	17,923	1	1,895	73	15,954				
0131 FRESH FRUITS AND TREE NUTS-----	8,352		879		5,566			716	1,191
0133 COFFEE-----		193		335					
0141 FRESH AND FROZEN VEGETABLES-----	89,052		15,033	84	66,113				7,822
0151 LIVE ANIMALS-----	716				716				
0161 ANIMALS AND PRODUCTS, NEC-----	3,512	3	43	801	2,665				
0191 MISCELLANEOUS FARM PRODUCTS-----	716		19	343	224				119
0841 CRUDE RUBBER AND ALLIED GUMS-----	1,454	472		982					
0861 FOREST PRODUCTS, NEC-----	288	10		199	14				69
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,618		98	2	1,518				
0912 SHELLFISH, EXCEPT PREPARED-----	253		19	10	79				141
1021 COPPER ORE AND CONCENTRATES-----	7,936		7,936						
1051 ALUMINUM ORES, CC. CONCENTRATES-----	1,434,161	1,259,094		175,067					
1061 MANGANESE ORES, CC. CONCENTRATES-----	40,144			39,875	269				
1091 NONFERROUS ORES, CONCENT., NEC-----	18,205	16,093		2,008	104				
1311 CRUDE PETROLEUM-----	478,116			445,944				32,172	
1411 LIMESTONE-----	104,371			104,371					
1442 SAND, GRAVEL, CRUSHED ROCK-----	992,579			612,187	354		340,110		
1451 CLAY-----	185,841		11,175	265	154,401				
1491 SALT-----	517,895	272,248	355	245,147					7,261
1499 NONMETALLIC MINERALS, NEC-----	49,661		18	30	42,045				
1911 ORDNANCE AND ACCESSORIES-----	117				69				40
2011 MEAT, FRESH, CHILLED, FROZEN-----	4,937	171	154		4,211			1	
2012 MEAT AND PRODUCTS, NEC-----	76	3		56	11				
2014 TALLOW, ANIMAL FATS AND OILS-----	7,744		990		6,754				
2019 ANIMAL BY-PRODUCTS, NEC-----	21,884		387	43	21,454				
2021 DAIRY PRODUCTS, NEC-----	363		22	284	14				43
2022 DRIED MILK AND CREAM-----	3,663		2,156		1,504				
2031 FISH AND SHELLFISH, PREPARED-----	4,962		309	2,205	1,148	1,388			
2034 VEGETABLES AND PREP., NEC-----	56,537	3,316	1,699	2,747	47,125			117	1,543
2039 PREP. FRUIT AND VEG. JUICE, NEC-----	27,338	6,378	785	13,591	5,094			1,269	221
2041 WHEAT FLOUR AND SEMOLINA-----	16,593				16,593				
2042 PREPARED ANIMAL FEEDS-----	49,314		299	1	33,096				11,918
2049 GRAIN MILL PRODUCTS, NEC-----	13,544	1	1,934	172	9,800		1,980		57
2061 SUGAR-----	446							446	
2062 MOLASSES-----	15,256				2,573			12,683	
2081 ALCOHOLIC BEVERAGES-----	12,354	60	1,416	5,386	4,714				777
2091 VEGETABLE OILS, MARG., SHORT-----	61,344			61,033	101				210
2094 GROCERIES-----	595								594
2099 MISCELLANEOUS FOOD PRODUCTS-----	30,251	304	2,482	3,321	22,563			1	1,981
2111 TOBACCO MANUFACTURES-----	1								
2211 BASIC TEXTILE PRODUCTS-----	7,320	629	44	6,452	142				53
2311 APPAREL-----	2,682	193		2,492	77				
2411 LOGS-----	3,629,792		3,322,221		303,146				425
2413 FUEL WOOD, CHARCOAL, WASTES-----	11,735		10,419		4,982				1,316
2414 TIMBER, POSTS, POLES, PILING-----	10,882		5,894						
2416 WOOD CHIPS, STAVES, HOLDINGS-----	1,536,729		487,852		1,048,877				
2421 LUMBER-----	493,470	9,296	287,957	2,065	130,487		53,986	19	69,688
2431 VENEER, PLYWOOD, WORKED WOOD-----	148,545	27,813	11,584	30,216	63,168				15,767
2491 WOOD MANUFACTURES, NEC-----	35,781	3,799	7,011	814	18,513				5,644
2511 FURNITURE AND FIXTURES-----	2,441	229	11	1,989	163				449
2611 PULP-----	74,605		51,348	56	23,201				
2621 STANDARD NEWSPRINT PAPER-----	3,844								3,844
2631 PAPER AND PAPERBOARD-----	375,655	69	221,756	354	130,219				23,261
2691 PULP AND PAPER PRODUCTS, NEC-----	19,666	34	198	93	973				16,408
2711 PRINTED MATTER-----	125	4	12	61	48				
2810 SODIUM HYDROXIDE-----	11,082								11,082
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	8,992							8,992	
2813 ALCOHOLS-----	37,708					6,156		31,552	
2817 BENZENE AND TOLUENE-----	8,228					8,228			
2819 BASIC CHEMICALS AND PROD., NEC-----	972,332	56,201	19,698	37,006	32,320	190,040		674,087	2,980
2821 PLASTIC MATERIALS-----	7,569	227	2,622	864	3,042				814
2822 SYNTHETIC RUBBER-----	3				3				
2823 SYNTHETIC (MAN-MADE) FIBERS-----	62			62					
2831 DRUGS-----	248		2	193	93				
2841 SOAP-----	1,004		94	518	306				88
2851 PAINTS-----	9,550	113	70	8,536	831				
2861 GUM AND WOOD CHEMICALS-----	11				11				
2871 NITROGENOUS CHEM. FERTILIZERS-----	310,047	14,336	44,008		330		28,712	189,961	31,900
2873 PHOSPHATIC CHEM. FERTILIZERS-----	38,799				38,799				
2876 INSECTICIDES, DISINFECTANTS-----	171	9		67	51				44
2879 FERTILIZER AND MATERIALS, NEC-----	16,142	1,500			79			14,563	
2891 MISCELLANEOUS CHEMICAL PROD-----	2,963	40	69	977	244				2,033
2911 GASOLINE-----	898,825		1		12	5,079		854,405	39,328
2913 KEROSENE-----	50,809							50,809	
2914 DISTILLATE FUEL OIL-----	990,034					15,971		925,686	48,777
2915 RESIDUAL FUEL OIL-----	1,930,954					215,704	5,436	1,709,814	
2916 LUBRICATING OILS AND GREASES-----	77,520		309	80	895			76,226	
2917 NAPHTHA, PETROLEUM SOLVENTS-----	14,821							14,821	
2918 ASPHALT, TAR, AND PITCHES-----	200,910				1			194,940	6,369
2920 COKE, PETROLEUM COKE-----	6,869			6,869					

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		19				35
2991 PETROLEUM AND COAL PROD, NEC----	80			61					19
3011 RUBBER AND MISC PLASTIC PROD----	15,375	1,066	38	12,432	93				1,746
3111 LEATHER AND LEATHER PRODUCTS----	5,113	99	169	4,175	714				
3211 GLASS AND GLASS PRODUCTS----	1,938	111		1,355	29				43
3241 BUILDING CEMENT----	48,483			36,077	71			12,197	138
3251 STRUCTURAL CLAY PRODUCTS----	1,232	1	1	1,193	5				32
3281 CUT STONE AND STONE PRODUCTS----	74			74					
3291 MISC NONMETALLIC MINERAL PROD----	4,245	300	28	1,661	89				2,167
3312 SLAG----	1,866								1,866
3314 IRON AND STEEL PRIMARY FORMS----	1,238			198	48				992
3315 IRON, STEEL SHAPES, EXC SHEET----	351,244	59,533	15	291,472	14				210
3316 IRON AND STEEL PLATES, SHEETS----	12,073	659	49	9,175	157				1,983
3317 IRON AND STEEL PIPE AND TUBE----	86,763	36,592	137	49,675	96				263
3318 FERROALLOYS----	7,681	6,394	2	233	1,052				
3319 IRON AND STEEL PRODUCTS, NEC----	3,453	63	1	2,967	142				480
3321 NONFERROUS METALS, NEC----	1,884	96		778	302				708
3322 COPPER ALLOYS, UNWORKED----	770	5		744	21				
3323 LEAD AND ZINC, UNWORKED----	991				891				
3324 ALUMINUM AND ALLOYS, UNWORKED----	42,850		12,436	123	50,291				
3411 FABRICATED METAL PRODUCTS----	52,400	2,903	1,386	39,998	1,928			7	6,178
3511 MACHINERY, EXCEPT ELECTRICAL----	39,852	1,008	5,266	22,083	9,152	900		508	1,343
3611 ELECTRICAL MACH AND EQUIP----	9,161	912	466	5,460	1,120			42	1,161
3711 MOTOR VEHICLES, PARTS, EQUIP----	364,495	45,076	203	314,716	2,474			65	1,964
3721 AIRCRAFT AND PARTS----	42		3	9	29				1
3731 SHIPS AND BOATS----	399	43		115	131	110			
3791 MISC TRANSPORTATION EQUIPMENT----	6,223	2,170	56	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			6	614
4011 IRON AND STEEL SCRAP----	309,412		19,573		289,820			19	
4012 NONFERROUS METAL SCRAP----	20,368		258		20,110				
4022 TEXTILE WASTE, SCRAP, SWEEP----	42			42					
4024 PAPER WASTE AND SCRAP----	1,028		1,028						
4112 COMMODITIES, NEC----	15,512	1,322	42	1,278	354			76	12,440
4119 EMPTY CONTAINERS----	36							36	
9999 DEPARTMENT OF DEFENSE AND SCI----	451		19		432				
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	20,798	2,206,545
0111 SOYBEANS-----	344		344				
0122 HAY AND FODDER-----	16,058	894	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	350	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	125,054
1451 CLAY-----	11,793	9,658	2,095				
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	196,485	76,857
2413 FUEL WOOD, CHARCOAL, WASTES-----	129,401	8,861			120,540		
2414 TIMBER, POSTS, POLES, PILING-----	2,035		253			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-----	29,284	7	1,353	4		309	27,613
2691 PULP AND PAPER PRODUCTS, NEC-----	774,678	41,117	644,217	11,775	4,769	71,647	1,153
2819 BASIC CHEMICALS AND PROD, NEC-----	334,999	295,013	30,632	4,920	4,434		
2871 NITROGENOUS CHEM FERTILIZERS-----	58,925	3,536	31,775	7,839	13,370	2,405	
2911 GASOLINE-----	727,500	320,411	12,503		11,228	381,708	1,650
2912 JET FUEL-----	30,692					30,692	
2914 DISTILLATE FUEL OIL-----	778,737	475,703	36,898	10,919	56,545	199,194	84
2915 RESIDUAL FUEL OIL-----	996,218	801,712	22,699	10,102	2,504	54,495	105,211
2918 ASPHALT, TAR, AND PITCHES-----	8,151	472				7,679	

PORTLAND, OREG., DISTRICT

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

FREIGHT TRAFFIC, 1980--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	INBOUND	CUTBOUND	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	---	---	---	---	---
3291 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	45	---	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	9,710	264	626	71	9,615	6
TON-MILES, INTERNAL, 2,002,995,117.							

TONS, ALL TRAFFIC, 49,178,984.
TON-MILES, ALL TRAFFIC, 4,885,377,980.

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-----	33,428,381	6,863,607	39,489,368	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-----	32,675,488	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	48,946,515	49,931

FREIGHT TRAFFIC, 1980

OCEANGOING

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN			DOMESTIC COASTWISE			
		IMPORTS	EXPORTS	THROUGH UPBOUND	RECEIPTS	SHIPMENTS	THROUGH	
							UPBOUND	DOWNBOUND
TOTAL-----	30,118,155	3,918,784	19,667,507	933,462	5,228,824	430,142	900	359,756
0101 COTTON, RAW-----	130	---	130	---	---	---	---	---
0102 BARLEY AND RYE-----	474,894	---	472,631	---	---	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 CRUDE RUBBER AND ALLIED GUMS-----	1,454	1,454	---	---	---	---	---	---
0861 FOREST PRODUCTS, NEC-----	288	209	14	---	---	85	---	---
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,618	2	1,616	---	---	---	---	---
0912 SHELLFISH, EXCEPT PREPARED-----	293	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	---	---	---	---	---
1091 NONFERROUS ORES, CONCENT, NEC-----	18,205	---	174	---	---	---	---	---
1311 CRUDE 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	435,526	---	---	---	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-----	4,937	171	4,325	---	1	40	---	---

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

COLUMBIA AND LOWER WILLAMETTE RIVERS BELCH
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	UPBOUND	THROUGH DOWNBOUND
2012 MEAT AND PRODUCTS, NEC-----	70	59	11					
2014 TALLOW, ANIMAL FATS AND OILS-----	7,744		7,744					
2019 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-----	56,937	6,063	48,814		117	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-----	13,944	173	11,734			1,637		
2061 SUGAR-----	446				446			
2062 MOLASSES-----	15,256		2,573		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-----	505				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-----	2,602	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	56	74,549					
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-----	8,228				8,228			
2819 BASIC CHEMICALS AND PROD, NEC-----	972,332	93,207	52,018		824,127	2,980		
2821 PLASTIC MATERIALS-----	7,569	1,091	5,884			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	2,133		
2891 MISCELLANEOUS CHEMICAL PROD-----	2,963	617	313			39,328		
2911 GASOLINE-----	898,825		13		859,484			
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	1,204		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						
2931 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							
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	9,834	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	474	302			690		18
3322 COPPER ALLOYS, UNWORKED-----	770	749	21					
3323 LEAD AND ZINC, UNWORKED-----	991		991					
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	236					
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

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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 UPROUND	RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND
4112 COMMODITIES, NEC-----	19,912	2,600	398	-----	76	11,876	-----	964
4119 EMPTY CONTAINERS-----	36	-----	-----	-----	38	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	491	-----	491	-----	-----	-----	-----	-----
TON-MILES, OCEANGOING, 2,876,231,867.								

INTERNAL
(SHORT TONS)

COMMODITY	TOTAL	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	THROUGH	
						UPBOUND	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-----	5,169,537	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	188	-----	-----	-----	-----	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-----	8,522	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-----	5,694,866	1,498,110	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	102,823	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	20	-----	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	-----	-----	41
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, HOLDINGS-----	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-----	1,548,034	1,086,929	2,634,963	10
1973-----	1,726,891	100,395	1,827,286	14	1978-----	1,379,259	951,453	2,330,712	-----
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

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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		
1051 ALUMINUM ORES, CONCENTRATES-----	191,500	191,500					
1442 SAND, GRAVEL, CRUSHED ROCK-----	18,472				18,472		
1451 CLAY-----	1,630		1,630				
1499 NONMETALLIC MINERALS, NEC-----	103		103				
1911 ORDNANCE AND ACCESSORIES-----	4		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-----	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				818,494	52,822	
2414 TIMBER, POSTS, POLES, PILING-----	1,034		1,034				
2416 WOOD CHIPS, STAVES, HOLDINGS-----	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				
2691 PULP AND PAPER PRODUCTS, NEC-----	2,173		143			2,030	
2711 PRINTED MATTER-----	13	2	11				
2819 BASIC CHEMICALS AND PROD, NEC-----	298		298				
2821 PLASTIC MATERIALS-----	21		21				
2841 SOAP-----	94		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				164,924	883	
2951 ASPHALT BUILDING MATERIALS-----	11		11				
3011 RUBBER AND MISC PLASTIC PROD-----	4		4				
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-----	41	3	38				
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 2.5 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, WAUNA, BEAVER POINT, RAINIER AND PRESCOTT OREG. AND KNAPPYTON, 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	
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	-----	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	8,369,386	-----
1973-----	5,444,493	414,949	5,859,442	34	1978-----	7,423,913	948,742	8,372,695	-----
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-----	9,543,000	1,413,229	9,956,229	-----

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		2,150,979			623,671		

PORTLAND, OREG., DISTRICT

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PORT OF LONGVIEW, WASH.--CONTINUED

FREIGHT TRAFFIC, 1988--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	592					
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	865
2412 RAFTED LOGS-----	1,413,229					527,206	863,508	22,455
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		487,750			483,024		
2421 LUMBER-----	152,414	1,295	126,828		24,331			
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-----	55	55						
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	1,002	2,017	500		10		
3611 ELECTRICAL MACH AND EQUIP-----	1,294	909	385					
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-----	580	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					4	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	989,540	1976-----	1,073,862	211,014	1,284,876
1972-----	1,204,146	203,376	1,467,522	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	864,152	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-----	32,145	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	94,611	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	928
1442 SAND, GRAVEL, CRUSHED ROCK-----	4,674		4,674		
2412 RAFTED LOGS-----	94,811		41,132	52,781	928
2611 PULP-----	203,692		203,692		
2871 NITROGENOUS CHEM FERTILIZERS-----	11,538	11,538			

PORTLAND, OREG., DISTRICT

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MULTNOMAH CHANNEL, OREG.

SECTION INCLUDED: A SIDE CHANNEL FROM THE WILLAMETTE RIVER NEAR PORTLAND, OREG., TO THE COLUMBIA RIVER NEAR ST. HELENS, OREG., A DISTANCE OF ABOUT 22 MILES. CONTROLLING DEPTH: 18 FEET IN A 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-----	1,851,124	126,834	1,945,958	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-----	469		469		
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-----	238,359	81,661	322,820	1977-----	158,611	131,768	290,379
1973-----	171,625	173,215	344,840	1978-----	312,884	282,311	514,375
1974-----	262,300	298,921	521,221	1979-----	329,216	68,913	398,129
1975-----	193,237	169,267	362,504	1980-----	386,665	28,865	327,470

• PASSENGERS--21,252.

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE SHIPMENTS	INTERNAL	
			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-----	1,213		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-----	1,815	386	1,129	
2081 ALCOHOLIC BEVERAGES-----	810	218		
2099 MISCELLANEOUS FOOD PRODUCTS-----	190	190		
2412 RAFTED LOGS-----	20,885		3,696	17,119
2421 LUMBER-----	2,589	2,589		
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,832	1,832		
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-----	30,991	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	-----
2910 ASPHALT, TAR, AND BITUMENS-----	1,907	1,907	-----	-----
3010 RUBBER AND MISC PLASTIC PROD-----	31	20	-----	11
3011 GLASS AND GLASS PRODUCTS-----	18	-----	-----	18
3201 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	268,568	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	3,594,664	1978-----	2,941,679	273,103	3,214,782
1974-----	2,791,784	350,580	3,142,364	1979-----	3,041,547	184,985	3,226,532
1975-----	3,009,128	497,785	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	RECEIPTS	SHIPMENTS	
TOTAL-----	2,911,452	841,088	477,725	6,156	5,608	1,182,202	340,893	57,800
0102 BARLEY AND RYE-----	22,909		19,840			3,069		
0103 CORN-----			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		
1091 ALUMINUM ORES, CONCENTRATES-----	662,206	662,206						
1491 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					
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 RAFTED LOGS-----	131,559					67,350	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

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PORT OF VANCOUVER, WASH.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2611 PULP-----	294,693	---	211	---	---	90,750	283,692	---
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	---	---	5,608	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-----	50,130	50,130	---	---	---	---	---	---
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-----	418	---	418	---	---	---	---	---
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-----	5	---	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	954,791	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 DOWNBOUND	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND	UPBOUND	THROUGH 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-----	94,521	---	---	---	---	---	---	---	94,521
0107 WHEAT-----	5,135,916	---	---	---	98,045	---	---	25,249	5,012,622
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	---	---	---	---
2019 ANIMAL BY-PRODUCTS, NEC-----	8,522	---	---	---	---	---	---	---	8,522
2034 VEGETABLES AND PREP, NEC-----	7,591	---	---	---	---	---	---	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-----	8,077	---	---	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	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
2415 PULPMOOD, LOG-----	1,119	-----	-----	-----	-----	-----	1,119
2416 WOOD CHIPS, STAVES, MOLDINGS-----	552,598	-----	-----	55,849	426,986	69,763	-----
2621 STANDARD NEWSPRINT PAPER-----	8,072	-----	-----	-----	-----	-----	8,072
2631 PAPER AND PAPERBOARD-----	29,286	-----	-----	7	675	-----	313
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
2911 GASOLINE-----	668,331	-----	-----	4,151	-----	-----	660,520
2912 JET FUEL-----	30,692	-----	-----	-----	-----	-----	30,692
2914 DISTILLATE FUEL OIL-----	651,653	-----	-----	3,363	-----	-----	648,550
2919 RESIDUAL FUEL OIL-----	290,890	-----	5,436	138,306	1,242	-----	105,056
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
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	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
2046 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
2419 PULPMOOD, LOG-----	1,119	-----	-----	-----	-----	-----	1,119
2621 STANDARD NEWSPRINT PAPER-----	8,072	-----	-----	-----	-----	-----	8,072
2631 PAPER AND PAPERBOARD-----	28,800	-----	-----	-----	-----	313	28,291
2691 PULP AND PAPER PRODUCTS, NEC-----	1,153	-----	-----	-----	-----	-----	1,153
2819 BASIC CHEMICALS AND PROD, NEC-----	302,346	-----	-----	-----	-----	297,912	4,434
2871 NITROGENOUS CHEM FERTILIZERS-----	19,566	-----	-----	-----	-----	5,941	12,525
2911 GASOLINE-----	664,140	-----	-----	-----	-----	660,520	3,660
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	-----	-----	-----	105,936	950
2918 ASPHALT, TAR, AND PITCHES-----	8,151	-----	-----	-----	-----	8,151	-----
3011 RUBBER AND MISC PLASTIC PROD-----	22	-----	-----	-----	-----	22	-----

PORTLAND, OREG., DISTRICT

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

FREIGHT TRAFFIC, 1988--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	INTERNAL			
		THROUGH DOWNBOUND	INBOUND	OUTBOUND	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	823,013	21,400,262	156
1973-----	19,594,615	482,428	20,077,043	207	1978-----	25,905,104	668,239	26,573,343	-----
1974-----	19,544,836	1,224,049	20,770,885	573	1979-----	28,327,795	818,666	29,146,461	18,610
1975-----	18,605,069	995,397	19,600,466	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 RECEIPTS SHIPMENTS	INTERNAL RECEIPTS SHIPMENTS	
TOTAL-----	29,314,059	2,087,030	11,674,097	4,805,336	336,006	5,314,818
0101 COTTON, RAW-----	130	-----	130	-----	-----	-----
0102 BARLEY AND RYE-----	400,060	-----	320,946	-----	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
0111 SOYBEANS-----	177	-----	177	-----	-----	1,197
0119 OILSEEDS, NEC-----	192	40	42	-----	-----	-----
0121 TOBACCO, LEAF-----	1,679	1,679	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	16,213	73	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-----	74,019	84	66,113	-----	7,822	-----
0151 LIVE ANIMALS-----	716	-----	716	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	3,466	801	2,665	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	693	343	224	7	119	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	982	982	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	278	199	14	-----	65	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	2,533	2	1,918	-----	350	663
0912 SHELLFISH, EXCEPT PREPARED-----	254	10	75	-----	141	-----
1051 ALUMINUM ORES, CONCENTRATES-----	175,067	175,067	-----	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	40,144	39,875	269	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	2,112	2,008	104	-----	-----	-----
1311 CRUDE PETROLEUM-----	478,116	445,944	-----	32,172	-----	-----
1411 Limestone-----	12,132	12,132	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,449,505	176,581	354	-----	1,008,678	49,980
1451 CLAY-----	200,871	265	194,601	-----	2,095	44,110
1491 SALT-----	245,147	245,147	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	48,529	-----	42,045	-----	6,484	-----
1911 ORDNANCE AND ACCESSORIES-----	99	30	69	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	4,252	-----	4,211	1	40	-----
2012 MEAT AND PRODUCTS, NEC-----	67	96	11	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	6,754	-----	6,754	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	22,100	43	21,454	-----	603	-----
2021 DAIRY PRODUCTS, NEC-----	341	284	14	-----	43	-----
2022 DRIED MILK AND CREAM-----	1,904	-----	1,514	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	3,518	2,205	1,148	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	51,844	2,747	47,125	117	1,943	165
2039 PREP FRUIT AND VEG JUICE, NEC-----	20,214	13,991	5,094	1,269	221	39
2041 WHEAT FLOUR AND SEMOLINA-----	16,583	-----	16,583	-----	-----	-----
2042 PREPARED ANIMAL FEEDS-----	44,913	1	33,096	-----	11,932	284
2049 GRAIN MILL PRODUCTS, NEC-----	23,077	172	9,800	-----	97	2,188
2061 SUGAR-----	446	-----	-----	446	-----	10,880

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	EASYPASE			INTERNAL	
				RECEIPTS	SHIPMENTS		RECEIPTS	SHIPMENTS
2002 MOLASSES-----	10,985		2,573	12,603			3,729	
2001 ALCOHOLIC BEVERAGES-----	10,660	5,306	4,714		567			
2091 VEGETABLE OILS, MARG, SHORT-----	61,344	61,033	101		210			
2094 GROCERIES-----	595				594			
2099 MISCELLANEOUS FOOD PRODUCTS-----	27,315	3,321	22,563		1,431			
2111 TOBACCO MANUFACTURES-----	1	1						
2211 BASIC TEXTILE PRODUCTS-----	6,447	6,452	142		53			
2311 APPAREL-----	2,320	2,452	77					
2411 LOGS-----	303,575		303,146		425		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	614	18,513		5,588			
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	306		67			
2851 PAINTS-----	9,367	8,536	831					
2861 GUM AND WOOD CHEMICALS-----	11		11					
2871 NITROGENOUS CHEM FERTILIZERS-----	234,091		330	189,961	20,976	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		700,109	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-----	267,154		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			1,275
3011 RUBBER AND MISC PLASTIC PROD-----	14,251	12,432	93		1,726			
3111 LEATHER AND LEATHER PRODUCTS-----	4,889	4,175	714					
3211 GLASS AND GLASS PRODUCTS-----	1,427	1,355	29		43			
3241 BUILDING CEMENT-----	42,746	30,360	71	12,197	138			
3251 STRUCTURAL CLAY PRODUCTS-----	1,230	1,193	5		32			
3271 LIME-----	53						53	
3281 CUT 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	198	48		992			
3315 IRON, STEEL SHAPES, EXC SHEET-----	292,894	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	2,967	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	123	50,291					
3411 FABRICATED METAL PRODUCTS-----	48,110	39,998	1,926	7	6,177			
3511 MACHINERY, EXCEPT ELECTRICAL-----	32,735	22,083	9,152		1,310	40	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

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WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.

SECTION INCLUDED: WILLAMETTE RIVER FROM PORTLAND TO HARRISBURG, OREG., A DISTANCE OF 159 MILES, AND YAMHILL RIVER FROM MOUTH TO MILE 4.0. CONTROLLING DEPTH: 9 FEET FROM PORTLAND TO OREGON CITY; 3 FEET TO CORVALLIS; 4 FEET ON YAMHILL RIVER FROM MOUTH TO MILE 4.0. PROJECT DEPTH: WILLAMETTE RIVER, 8 FEET FROM PORTLAND TO OREGON CITY; 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			
		IMPORTS		INTERNAL			
				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			802			
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	38,828	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						
2631 PAPER AND PAPERBOARD-----	7,597			675		2,855	24,975
2691 PULP AND PAPER PRODUCTS, NEC-----	775,941			536,150	49,983	6,795	120
2819 BASIC CHEMICALS AND PROD, NEC-----	489			339		9,494	180,314
2915 RESIDUAL FUEL OIL-----	58,004			58,004			150
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
4011 IRON AND STEEL SCRAP-----	780						780
4012 NONFERROUS METAL SCRAP-----	10						10
4029 WASTE AND SCRAP, NEC-----	6,609					6,609	
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	7,116,085
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-----	5,905,174	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				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				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 PHEP 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 RECEIPTS	INTERNAL SHIPMENTS	
2081 ALCOHOLIC BEVERAGES-----	52	52				
2411 LOGS-----	596,711		596,711			
2412 RAFTED LOGS-----	1,286,884				928,984	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		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				
3319 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	DOMINBOUND
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 DEPTHS: 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-----	648,721	68,439	717,560
1973-----	468,762	139,304	608,066	1978-----	588,341	19,260	607,601
1974-----	609,448	237,680	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

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UMPOUA RIVER, OREG.--CONTINUED

FREIGHT TRAFFIC, 1960

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		INTERNAL	
		RECEIPTS	SHIPMENTS	INBOUND	DOWNSHED
TOTAL-----	1,010,646	358,880	246,731	106,496	299,359
0911 FRESH FISH, EXCEPT SHELLFISH-----	621	-----	-----	621	-----
0912 SHELLFISH, EXCEPT PREPARED-----	946	-----	-----	946	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	916,950	340,118	213,206	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	-----	-----
OTAL TON-MILES, 8,932,183.					

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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 SHELLFISH-----	1,514		
	0912 SHELLFISH, EXCEPT PREPARED-----	2,602		
	2421 LUMBER-----	79,964		
	TOTAL-----	84,080	84,080	
CHINOOK CHANNEL, WASH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	629		
	0912 SHELLFISH, 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 SHELLFISH-----	2,749		
	0912 SHELLFISH, EXCEPT PREPARED-----	443		
	TOTAL-----	3,192	15,960	
COLUMBIA SLOUGH, OREG.-----	NO COMMERCE REPORTED			
COQUILLE RIVER, OREG.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	64		
	2421 LUMBER-----	16,949		
	TOTAL-----	17,013	17,141	
CONLITZ RIVER, WASH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	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 SHELLFISH-----	68		
	0912 SHELLFISH, EXCEPT PREPARED-----	91		
	TOTAL-----	159	159	
ELOKOMIN SLOUGH, WASH.-----	2412 RAFTED LOGS-----	44,076	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 SHELLFISH-----	101		
	2414 TIMBER, POSTS, POLES, 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	12,852	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 SHELLFISH-----	291		
	0912 SHELLFISH, EXCEPT PREPARED-----	839		
	TOTAL-----	1,130		
ROGUE RIVER, OREG.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	39		
	0912 SHELLFISH, EXCEPT PREPARED-----	35		
	4112 COMMODITIES, NEC-----	12		
	TOTAL-----	86	386	49,914
SISLAW RIVER, OREG.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	64		
	0912 SHELLFISH, EXCEPT PREPARED-----	30		
	2412 RAFTED LOGS-----	93,763		
	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 SHELLFISH-----	475		
	0912 SHELLFISH, EXCEPT PREPARED-----	1,708		
	TOTAL-----	1,443	7,415	

PORTLAND, OREG., DISTRICT

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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
YAUQUINA 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-----	126,513	356,195	
YAUQUINA RIVER, OREG.-----	2412 RAFTED LOGS-----	65,728		
	2421 LUMBER-----	42,427		
	TOTAL-----	108,155	478,026	

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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.N. 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	87,468	2,646,192
1973-----	3,086,852	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	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-----	128,421	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	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-----	5,162	1,076,286	1,081,648
1974-----	3,392	301,062	304,454	1979-----	23,647	451,550	475,597
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-----	351,932	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

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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	3,049,201	1977-----	2,854,789	428,223	3,283,012
1973-----	2,348,688	570,697	2,919,385	1978-----	4,029,194	838,891	4,868,085
1974-----	2,116,200	873,419	2,989,619	1979-----	3,969,021	1,879,249	5,848,270
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		INTERNAL		LOCAL
		IMPORTS	EXPORTS	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		4			84		
1051 ALUMINUM ORES, CONCENTRATES-----	101,521	101,521						
1311 CRUDE PETROLEUM-----	665,491	102,988		276,165			286,338	
1411 LIMESTONE-----	21,232	10,616						
1442 SAND, GRAVEL, CRUSHED ROCK-----	5,779	5,779						
1451 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		20					
2411 LOGS-----	1,370,715	22,373	1,348,342					
2412 RAFTED LOGS-----	705,537					355,686	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					
2851 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					
3251 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, 11.4 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-----	**	-----	-----	*	200,764	254,672

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

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE	INTERNAL	
				RECEIPTS	RECEIPTS	SHIPMENTS
TOTAL-----	701,267	256,343	30,345	20,817	277,205	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	-----
2919 RESIDUAL FUEL OIL-----	32,005	-----	-----	20,817	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

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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	142,928	376,441	1976-----	432,122	188,831	620,953
1972-----	422,691	437,916	860,607	1977-----	418,618	182,402	601,020
1973-----	388,477	183,849	572,326	1978-----	293,958	288,968	582,926
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	COASTWISE	INTERNAL	
		SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	619,844	93,397	213,389	348,938
2412 RAFTED LOGS-----	251,360		212,251	39,109
2413 FUEL WOOD, CHARCOAL, WASTES-----	19,902		958	18,944
2416 WOOD CHIPS, STAVES, HOLDINGS-----	279,410			279,410
2421 LUMBER-----	64,472	93,397		11,925
3321 NONFERROUS METALS, NEC-----	108		100	

HAMMERSLEY INLET, WASH.

SECTION INCLUDED: INLET CONNECTING PUGET SOUND WITH SHELTON 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	902,996	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	935,989	1,147,822

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	
TOTAL-----	1,147,198	13,071	921,464	610,663
0911 FRESH FISH, EXCEPT SHELLFISH-----	4	4		
0912 SHELLFISH, EXCEPT PREPARED-----	284	284		
2412 RAFTED LOGS-----	935,565	10,564	314,338	610,663
2416 WOOD CHIPS, STAVES, HOLDINGS-----	183,892	2,726	181,166	
2421 LUMBER-----	24,828		24,828	
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,930		1,930	
2911 GASOLINE-----	997	997		
2914 DISTILLATE FUEL OIL-----	978	978		

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, 29.4 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	88,755	208,155
1972-----	895,849	1,131,334	2,027,183	1977-----	448,594	89,864	538,458
1973-----	545,941	443,808	989,749	1978-----	968,001	303,489	1,271,490
1974-----	363,499	492,636	1,216,135	1979-----	607,642	186,188	793,830
1975-----	320,201	138,848	459,049	1980-----	989,697	131,312	1,121,009

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

OLYMPIA HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	LOCAL
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				
3310 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	578,699	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	911,639	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			**	119,548 154,024	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-----	#			**	200,840 376,432

* 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
0102 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	1,035					
0131 FRESH FRUITS AND TREE NUTS-----	20,992	982	12,856		7,154			
0133 COFFEE-----	5,839	5,839						
0134 COCOA BEANS-----	146							
0141 FRESH AND FROZEN VEGETABLES-----	53,781	93	50,236		3,472			
0151 LIVE ANIMALS-----	84							
0161 ANIMALS AND PRODUCTS, NEC-----	946	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	106	5,588	91	269		
0912 SHELLFISH, EXCEPT PREPARED-----	1,572	976	218	298		80		
1021 COPPER ORE AND CONCENTRATES-----	44,878	44,878						
1091 ALUMINUM ORES, CONCENTRATES-----	627,840	627,840						
1091 NONFERROUS ORES, CONCENT, NEC-----	84,089	84,089	223					12,736
1311 CRUDE PETROLEUM-----	1,259,478	160,204		505,070		194,428	1,444	198,332

SEATTLE, WASH., DISTRICT

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TACOMA HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		
		IMPORTS	EXPORTS	COASTWISE RECEIPTS	COASTWISE SHIPMENTS	INTERNAL RECEIPTS
						SHIPMENTS
1442 SAND, GRAVEL, CRUSHED ROCK-----	523,247	151,871	9,004	2,800	954	358,638
1491 CLAY-----	9,951	160	893		8,938	
1491 SALT-----	493,242	490,759			2,503	
1492 SULPHUR, DRY-----	2,085				2,085	
1499 NONMETALLIC MINERALS, NEC-----	2,323		2,323			
1911 ORDNANCE AND ACCESSORIES-----	17	3	14			
2011 MEAT, FRESH, CHILLED, FROZEN-----	39,357	23,906	300		15,861	
2012 MEAT AND PRODUCTS, NEC-----	2,668	2,589	79			
2014 TALLOW, ANIMAL FATS AND OILS-----	75,992		75,992			
2015 ANIMAL BY-PRODUCTS, NEC-----	79	19	60			
2021 DAIRY PRODUCTS, NEC-----	14,520	91	28		14,401	
2022 DRIED MILK AND CREAM-----	535	58	477			
2031 FISH AND SHELLFISH, PREPARED-----	23,279	1,095	2,954	19,184	46	
2034 VEGETABLES AND PREP, NEC-----	2,553	1,120	1,533			
2039 PREP FRUIT AND VEG JUICE, NEC-----	7,938	4,989	3,029			
2041 WHEAT FLOUR AND SEMOLINA-----	6,249		6,249			
2042 PREPARED ANIMAL FEEDS-----	339,070	1,598	335,764		1,948	
2049 GRAIN MILL PRODUCTS, NEC-----	26,086	37	13,051		13,798	
2081 ALCOHOLIC BEVERAGES-----	23,694	1,248	1,024		21,416	
2091 VEGETABLE OILS, MARG, SHORT-----	30					
2092 ANIMAL OILS AND FATS, NEC-----	19					
2094 GROCERIES-----	114,449					
2099 MISCELLANEOUS FOOD PRODUCTS-----	36,035	1,202	2,320		114,497	
2111 TOBACCO MANUFACTURES-----	15				32,813	
2211 BASIC TEXTILE PRODUCTS-----	2,067	1,727	219		121	
2311 APPAREL-----	288	199	89		21	
2411 LOGS-----	2,211,075	5,084	2,205,991			
2412 RAFTED LOGS-----	1,282,662					
2413 FUEL WOOD, CHARCOAL, WASTES-----	5		5			
2414 TIMBER, POSTS, POLES, PILING-----	1,392		84		588	
2416 WOOD CHIPS, STAVES, HOLDINGS-----	580,640	64,290	341,948		174,842	
2421 LUMBER-----	78,810	12,712	33,464			
2431 VENEER, PLYWOOD, WORKED WOOD-----	15,841	3,929	1,253		29,943	
2491 WOOD MANUFACTURES, NEC-----	16,526	3,978	864		10,659	
2511 FURNITURE AND FIXTURES-----	18,727	462	35	6,651	11,559	
2611 PULP-----	170,384	14,614	71,841		72,669	
2621 STANDARD NEWSPRINT PAPER-----	9,640				3,594	6,023
2631 PAPER AND PAPERBOARD-----	77,704	5,523	46,145		346	323
2691 PULP AND PAPER PRODUCTS, NEC-----	6,276	186	627	38	5,905	838
2711 PRINTED MATTER-----	296	88	143		45	
2810 SODIUM HYDROXIDE-----	116,938				61,787	54,805
2813 ALCOHOLS-----	33		33			346
2819 SULPHURIC ACID-----	812				812	
2819 BASIC CHEMICALS AND PROD, NEC-----	73,361	9,894	48,104		15,341	22
2821 PLASTIC MATERIALS-----	8,973	949	7,980		24	
2822 SYNTHETIC RUBBER-----	1		1			
2823 SYNTHETIC (MAN-MADE) FIBERS-----	1,542	1,536	6			
2831 DRUGS-----	86	43	43			
2841 SOAP-----	8,954	204	8,232		518	
2851 PAINTS-----	5,526	5,208	139		183	
2861 GUM AND WOOD CHEMICALS-----	31,187				31,187	
2871 NITROGENOUS CHEM FERTILIZERS-----	2,255			200	2,055	
2876 INSECTICIDES, DISINFECTANTS-----	10		10			
2879 FERTILIZER AND MATERIALS, NEC-----	960		836		124	
2891 MISCELLANEOUS CHEMICAL PROD-----	77,145	22,982	58		27,609	25,320
2911 GASOLINE-----	147,547	5,008	377	18,050		28,785
2912 KEROSENE-----	128,320					18,689
2914 DISTILLATE FUEL OIL-----	289,766			19,509	5,255	128,320
2915 RESIDUAL FUEL OIL-----	890,039			37,509	12,829	153,758
2916 LUBRICATING OILS AND GREASES-----	2,109		680	20	676	86,857
2917 NAPHTHA, PETROLEUM SOLVENTS-----	18,055				625	28,387
2918 ASPHALT, TAR, AND PITCHES-----	1,275				83	196,178
2920 COKE, PETROLEUM COKE-----	10,002	10,002			1,275	650
2921 LIQUEFIED GASES-----	159		7			690
2931 ASPHALT BUILDING MATERIALS-----	2,316				152	
2991 PETROLEUM AND COAL PROD, NEC-----	15,068				2,316	
3011 RUBBER AND MISC PLASTIC PROD-----	1,719	539	302	56	12,767	1,705
3111 LEATHER AND LEATHER PRODUCTS-----	128	127	1			596
3211 GLASS AND GLASS PRODUCTS-----	836	193	256		389	
3241 BUILDING CEMENT-----	581		123		458	
3251 STRUCTURAL CLAY PRODUCTS-----	340	221	8		111	
3271 LIME-----	23				25	
3281 CUT STONE AND STONE PRODUCTS-----	421	23	2		396	
3291 MISC NONMETALLIC MINERAL PROD-----	36,191	427	254		19,940	15,970
3312 SLAG-----	4,291					4,291
3319 IRON, STEEL SHAPES, EXC SHEET-----	45,271	36,342	66	94	5,889	2,880
3316 IRON AND STEEL PLATES, SHEETS-----	46		46			
3317 IRON AND STEEL PIPE AND TUBE-----	30,309	11,069	187	1,113	17,940	
3318 FERROALLOYS-----	2,005	2,005				
3319 IRON AND STEEL PRODUCTS, NEC-----	662	546	116			
3321 NONFERROUS METALS, NEC-----	103	100	3			
3322 COPPER ALLOYS, UNWORKED-----	33,805	27,396	6,409			
3323 LEAD AND ZINC, UNWORKED-----	19,478	11,074	8,404			
3324 ALUMINUM AND ALLOYS, UNWORKED-----	22,219	1,548	20,315		5	351
3411 FABRICATED METAL PRODUCTS-----	59,795	25,272	1,593	496	32,231	235
3511 MACHINERY, EXCEPT ELECTRICAL-----	62,176	4,607	24,303	5,803	19,141	822
3611 ELECTRICAL MACH AND EQUIP-----	21,045	17,883	2,036	143	983	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	202,488	183,242	4,273	5,111	9,862	
3721 AIRCRAFT AND PARTS-----	36	10	26			
3731 SHIPS AND BOATS-----	1,710	96	64	9	241	1,300
3791 MISC TRANSPORTATION EQUIPMENT-----	3,035	1,694	317	385	437	2
3811 INSTR, TIME, PHOTO, OPT GOODS-----	618	393	241		24	
3911 MISC MANUFACTURED PRODUCTS-----	1,834	781	263	658	132	
4011 IRON AND STEEL SCRAP-----	288,617	38,755	245,862	4,160		

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
4012 NONFERROUS METAL SCRAP-----	30,928	22,981	1,789	182	-----	-----	-----	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	897	4,948	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 FAUNTLEREY FERRY SLIP ON THE SOUTH, INCLUDING ELLIOTT BAY, EAST, WEST, AND DUWAMISH WATERWAY, LAKE WASHINGTON SHIP CANAL, SALMON BAY, LAKE UNION, AND LAKE WASHINGTON. CONTROLLING DEPTHS: ELLIOTT BAY, UNLIMITED; WEST WATERWAY, 34.0 FEET; EAST WATERWAY, 34.0 FEET; DUWAMISH 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, 27.6 FEET BELOW LOCKS; ABOVE THE LOCKS, 24.6 FEET. PROJECT DEPTHS: ELLIOTT BAY, UNLIMITED; EAST AND WEST WATERWAYS, 34 FEET; DUWAMISH WATERWAY, 30 FEET TO FIRST AVENUE SOUTH; 20 FEET TO 8TH AVENUE SOUTH; AND 15 FEET FROM 8TH AVENUE SOUTH TO HEAD OF WATERWAY; LAKE WASHINGTON SHIP CANAL, 34 FEET BELOW LOCKS; 30 FEET AT LOWER 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	459,001	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	4,566,220	1978-----	22,137,870	343,795	22,481,665	6,540,219
1974-----	13,882,986	369,003	14,251,989	5,119,717	1979-----	19,791,540	246,890	20,038,430	6,290,453
1975-----	14,637,554	370,841	15,008,395	5,102,751	1980-----	21,106,410	182,428	21,288,838	10,659,698

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-----	00	-----	-----	-----	3,024,735	5,648,639
1972-----	152,230	-----	-----	-----	2,382,823	3,971,227	1977-----	00	-----	-----	-----	3,379,812	6,051,503
1973-----	102,948	-----	-----	-----	2,708,887	4,504,220	1978-----	00	-----	-----	-----	3,704,037	6,540,219
1974-----	00	-----	-----	-----	2,892,276	5,119,717	1979-----	00	-----	-----	-----	4,566,263	6,290,453
1975-----	00	-----	-----	-----	2,811,642	5,102,751	1980-----	00	-----	-----	-----	3,771,474	6,899,602

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

FREIGHT TRAFFIC, 1980
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC INTERNAL		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	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	5	-----	23	-----	-----	-----
0107 WHEAT-----	138,502	-----	138,512	-----	-----	-----	-----	-----
0111 SOYBEANS-----	9,729	129	9,600	-----	-----	-----	-----	-----
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	-----	-----	-----	-----	-----
0131 FRESH FRUITS AND TREE NUTS-----	172,864	10,087	158,851	192	3,754	-----	-----	-----
0133 COFFEE-----	1,581	1,553	5	19	2	-----	-----	-----
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	2,451	4,370	461	55	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	1,311	647	197	-----	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	7,532	-----	17
0912 SHELLFISH, EXCEPT PREPARED-----	8,782	1,213	5,470	239	1,066	74	-----	-----
1011 IRON ORE AND CONCENTRATES-----	65	-----	-----	-----	65	-----	-----	-----
1021 COPPER ORE AND CONCENTRATES-----	964	-----	946	18	-----	-----	-----	-----
1031 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	6	8,7	442	19,658	-----	-----	-----

SEATTLE, WASH., DISTRICT

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SEATTLE HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1988--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
1311 CRUDE PETROLEUM-----	107,797	89,810	---	15,320	---	1,624	1,803	---
1411 LIMESTONE-----	363,743	362,832	150	---	753	---	---	---
1412 BUILDING STONE, UNWORKED-----	6,735	6,735	---	---	---	---	---	---
1442 SAND, GRAVEL, CRUSHED ROCK-----	3,304,425	937,761	60,081	---	2,899	2,384,179	309	---
1451 CLAY-----	160,858	4,968	16,091	---	2,642	137,557	---	---
1471 PHOSPHATE ROCK-----	8	8	---	---	---	---	---	---
1491 SALT-----	16,652	2	---	6,037	9,672	---	941	---
1492 SULPHUR, DRY-----	18,901	---	197	---	14,678	246	3,780	---
1494 GYPSUM, CRUDE AND PLASTERS-----	353	---	---	---	353	---	---	---
1499 NONMETALLIC MINERALS, NEC-----	25,966	2,493	16,802	---	6,911	---	---	---
1911 ORDNANCE AND ACCESSORIES-----	833	884	29	---	---	---	---	---
2011 MEAT, FRESH, CHILLED, FROZEN-----	10,308	222	8,126	12	1,948	---	---	---
2012 MEAT AND PRODUCTS, NEC-----	2,871	710	1,982	129	40	---	---	---
2014 TALLOW, ANIMAL FATS AND OILS-----	24,858	---	24,858	---	---	---	---	---
2015 ANIMAL BY-PRODUCTS, NEC-----	78,231	6	78,184	---	41	---	---	---
2021 DAIRY PRODUCTS, NEC-----	2,841	826	75	2	1,938	---	---	---
2022 DRIED MILK AND CREAM-----	5,504	185	5,319	---	---	---	---	---
2031 FISH AND SHELLFISH, PREPARED-----	213,989	8,408	21,393	181,866	1,922	---	---	---
2034 VEGETABLES AND PREP, NEC-----	91,150	24,218	61,635	21	5,276	---	---	---
2039 PREP FRUIT AND VEG JUICE, NEC-----	46,417	37,041	7,602	1,549	225	---	---	---
2041 WHEAT FLOUR AND SEMOLINA-----	25,749	---	19,076	---	6,603	---	70	---
2042 PREPARED ANIMAL FEEDS-----	99,430	447	90,514	---	8,469	---	---	---
2049 GRAIN MILL PRODUCTS, NEC-----	118,423	1,989	111,332	---	4,861	---	121	---
2061 SUGAR-----	657	---	115	541	1	---	---	---
2062 MOLASSES-----	91,193	---	39,313	779	801	---	---	51,679
2081 ALCOHOLIC BEVERAGES-----	127,194	28,888	18,712	---	78,832	---	63	---
2091 VEGETABLE OILS, MARG, SHORT-----	2,043	290	1,950	---	243	---	---	---
2092 ANIMAL OILS AND FATS, NEC-----	2,828	216	---	2,612	---	---	---	---
2094 GROCERIES-----	40,483	---	---	41	40,442	---	---	---
2099 MISCELLANEOUS FOOD PRODUCTS-----	103,268	12,931	49,299	30	41,408	---	---	---
2111 TOBACCO MANUFACTURES-----	2,805	192	1,887	7	759	---	---	---
2211 BASIC TEXTILE PRODUCTS-----	45,307	42,370	1,740	---	1,277	---	---	---
2212 TEXTILE FIBERS, NEC-----	451	136	296	---	19	---	---	---
2311 APPAREL-----	133,058	132,671	388	5	2	---	---	---
2411 LOGS-----	26,679	15,985	10,196	---	498	---	---	---
2412 RAFTED LOGS-----	182,428	---	---	---	---	104,203	50,293	27,972
2413 FUEL WOOD, CHARCOAL, WASTES-----	3,827	207	813	---	867	---	1,920	---
2414 TIMBER, POSTS, POLES, PILING-----	46,373	1,378	1,060	---	4,977	21,841	16,889	632
2416 WOOD CHIPS, STAVES, HOLDINGS-----	88,433	40,429	1,102	---	---	1,044	49,898	---
2421 LUMBER-----	946,864	373,165	422,912	7,369	81,390	62,428	---	---
2431 VENEER, PLYWOOD, WORKED WOOD-----	63,202	16,701	3,836	1	22,598	16,272	3,794	---
2491 WOOD MANUFACTURES, NEC-----	71,771	38,091	10,481	96	15,480	7,632	31	---
2511 FURNITURE AND FIXTURES-----	49,971	35,843	3,872	1,583	8,545	---	128	---
2611 PULP-----	428,104	25,276	274,912	41,765	86,319	33,417	237	---
2621 STANDARD NEWSPRINT PAPER-----	54,203	---	6,116	---	14,580	124,321	90	---
2631 PAPER AND PAPERBOARD-----	978,439	238,570	207,849	417	7,036	6,611	246	---
2691 PULP AND PAPER PRODUCTS, NEC-----	38,799	3,863	4,097	102	24,126	---	---	---
2711 PRINTED MATTER-----	5,071	4,585	339	90	61	---	---	---
2810 SODIUM HYDROXIDE-----	24,097	---	---	4,159	13,924	6,014	---	---
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	7,112	6	---	5,046	---	2,060	---	---
2812 DYES, PIGMENT, TANNING MATS-----	1,430	---	113	---	1,317	---	---	---
2813 ALCOHOLS-----	72,787	35	68,003	---	4,749	---	---	---
2814 RADIOACTIVE MATERIALS, WASTES-----	141	43	95	3	---	---	---	---
2815 BENZENE AND TOLUENE-----	1,672	---	---	---	1,672	---	---	---
2816 SULPHURIC ACID-----	897	---	---	---	897	---	---	---
2819 BASIC CHEMICALS AND PROD, NEC-----	97,985	30,776	39,114	44	24,928	3,523	---	---
2821 PLASTIC MATERIALS-----	42,937	13,703	27,710	---	1,924	---	---	---
2822 SYNTHETIC RUBBER-----	2,668	---	2,668	---	---	---	---	---
2823 SYNTHETIC (MAN-MADE) FIBERS-----	3,888	2,192	1,694	2	---	---	---	---
2831 DRUGS-----	1,181	505	675	---	1	---	---	---
2841 SOAP-----	16,224	978	13,933	1	1,312	---	---	---
2851 PAINTS-----	14,347	8,961	2,632	842	1,912	---	---	---
2861 GUM AND WOOD CHEMICALS-----	186,283	170	786	---	---	109,842	75,485	---
2871 NITROGENOUS CHEM FERTILIZERS-----	9,364	498	40	152	8,714	---	---	---
2873 PHOSPHATIC CHEM FERTILIZERS-----	29,897	29,896	1	---	---	---	---	---
2876 INSECTICIDES, DISINFECTANTS-----	3,070	388	2,638	---	44	---	---	---
2879 FERTILIZER AND MATERIALS, NEC-----	2,490	1,273	260	---	957	---	---	---
2891 MISCELLANEOUS CHEMICAL PROD-----	36,585	2,072	4,254	2	30,193	---	64	---
2911 GASOLINE-----	1,990,510	---	321	396,406	79,928	833,571	239,100	41,184
2912 JET FUEL-----	94,915	---	---	14,788	48,352	31,775	---	---
2913 KEROSENE-----	59,162	---	---	59,162	---	---	---	---
2914 DISTILLATE FUEL OIL-----	1,571,794	37,900	366	410,151	211,935	459,728	279,045	173,069
2915 RESIDUAL FUEL OIL-----	2,720,162	---	1,738	615,591	54,705	722,987	783,272	541,859
2916 LUBRICATING OILS AND GREASES-----	61,911	61	3,323	53,705	4,200	67	345	210
2917 NAPHTHA, PETROLEUM SOLVENTS-----	33,828	---	---	7,456	0,632	16,740	---	---
2919 ASPHALT, TAR, AND PITCHES-----	131,622	---	17	112,918	18,687	---	---	---
2920 COKE, PETROLEUM COKE-----	194	194	---	---	---	---	---	---
2921 LIQUEFIED GASES-----	5,379	2,283	16	---	1,977	---	1,123	---
2951 ASPHALT BUILDING MATERIALS-----	2,178	---	20	---	2,149	---	---	---
2991 PETROLEUM AND COAL PROD, NEC-----	20,423	20	222	1,338	16,823	1,308	---	712
3011 RUBBER AND MISC PLASTIC PROD-----	61,764	52,798	2,163	400	6,403	---	---	---
3111 LEATHER AND LEATHER PRODUCTS-----	102,888	95,682	7,180	24	2	---	---	---
3211 GLASS AND GLASS PRODUCTS-----	17,005	13,142	1,195	2	2,658	---	---	---
3241 BUILDING CEMENT-----	584,252	152,747	10,674	63,264	41,920	115,847	---	---
3251 STRUCTURAL CLAY PRODUCTS-----	17,584	14,649	1,422	5	1,508	---	---	---
3271 LIME-----	564	---	20	---	521	---	---	---
3281 CUT STONE AND STONE PRODUCTS-----	5,242	2,461	---	---	2,773	---	---	---
3291 MISC NONMETALLIC MINERAL PROD-----	97,104	33,296	1,871	36	48,096	9,028	35	4,750
3312 SLAG-----	9,124	---	---	---	833	4,291	---	---
3314 IRON AND STEEL PRIMARY FORMS-----	2,150	34	4	---	2,112	---	---	---
3315 IRON, STEEL SHAPES, EXC SHEET-----	180,925	176,205	718	---	1,602	---	---	2,400
3316 IRON AND STEEL PLATES, SHEETS-----	4,576	2,479	93	---	2,004	---	---	---
3317 IRON AND STEEL PIPE AND TUBE-----	78,514	68,210	1,090	1,605	7,609	---	---	---
3318 FERROALLOYS-----	476	195	231	---	---	---	---	---

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

SEATTLE HARBOR, WASH.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC				LOCAL
		IMPORTS	EXPORTS	COASTWISE		INTERNAL		
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3319 IRON AND STEEL PRODUCTS, NEC-----	8,872	8,029	73	-----	730	-----	40	-----
3321 NONFERROUS METALS, NEC-----	4,284	2,584	490	61	1,129	-----	100	-----
3322 COPPER ALLOYS, UNWORKED-----	3,278	2,351	877	-----	50	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	5,099	2	5,057	-----	40	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	165,053	467	164,553	-----	33	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	299,278	203,904	13,390	4,009	77,068	584	323	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	194,000	126,571	19,232	7,159	29,488	6,420	3,530	1,600
3611 ELECTRICAL MACH AND EQUIP-----	224,394	213,491	6,618	447	3,692	-----	126	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	310,405	268,177	8,283	4,283	29,662	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	943	805	158	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	11,483	3,517	747	270	4,549	1,300	-----	1,300
3791 MISC TRANSPORTATION EQUIPMENT-----	17,476	11,938	672	2,233	2,633	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	15,803	14,620	1,126	44	5	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	154,336	130,870	1,652	19,670	2,144	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	82,016	13,353	62,426	6,203	34	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	68,131	3,181	64,666	267	17	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	3,097	241	2,856	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	113,081	-----	112,140	-----	-----	790	149	2
4029 WASTE AND SCRAP, NEC-----	146,263	-----	-----	234	-----	54,300	90,674	1,055
4111 WATER-----	488	-----	-----	-----	-----	-----	-----	488
4112 COMMODITIES, NEC-----	531,901	26,515	4,718	43,137	497,931	-----	-----	-----
4119 EMPTY CONTAINERS-----	2,240	-----	-----	2,002	238	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	117	-----	117	-----	-----	-----	-----	-----

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

SECTION INCLUDED: AS DESCRIBED UNDER SEATTLE HARBOR, WASH.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS
1971-----	1,140,256	295,073	1,435,329	51,194	1976-----	1,383,283	378,825	1,762,108	25,034
1972-----	1,505,301	398,030	1,903,331	-----	1977-----	1,348,728	331,321	1,680,049	48,591
1973-----	1,456,193	559,779	2,015,972	-----	1978-----	1,733,192	211,265	1,944,457	-----
1974-----	1,197,139	261,408	1,458,547	59,788	1979-----	1,793,454	145,891	1,939,345	68,065
1975-----	1,537,447	240,233	1,797,680	37,895	1980-----	1,571,658	102,495	1,674,153	38,397

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	INTERNAL		
						RECEIPTS	SHIPMENTS	
TOTAL-----	1,674,153	4,558	29,156	74,250	1,334,157	152,720	79,312	
0122 WAX AND FODDER-----	190	-----	-----	-----	190	-----	-----	
0133 COFFEE-----	2	-----	-----	-----	2	-----	-----	
0911 FRESH FISH, EXCEPT SHELLFISH-----	608	-----	510	-----	98	-----	-----	
0912 SHELLFISH, EXCEPT PREPARED-----	197	-----	197	-----	-----	-----	-----	
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,722,587	-----	-----	-----	64	1,022,503	-----	
1491 SALT-----	3,750	-----	-----	6	3,744	-----	-----	
1494 GYPSUM, CRUDE AND PLASTERS-----	109	-----	-----	-----	109	-----	-----	
2011 MEAT, FRESH, CHILLED, FROZEN-----	791	-----	-----	4	787	-----	-----	
2031 FISH AND SHELLFISH, PREPARED-----	22,486	36	22,313	-----	117	-----	-----	
2034 VEGETABLES AND PREP, NEC-----	1,227	34	-----	8	1,185	-----	-----	
2039 PREP FRUIT AND VEG JUICE, NEC-----	122	122	-----	-----	-----	-----	-----	
2042 PREPARED ANIMAL FEEDS-----	34	-----	-----	-----	34	-----	-----	
2049 GRAIN MILL PRODUCTS, NEC-----	22	6	-----	-----	16	-----	-----	
2081 ALCOHOLIC BEVERAGES-----	430	-----	-----	-----	830	-----	-----	
2094 GNOCFRIES-----	2,433	-----	-----	4	2,429	-----	-----	
2099 MISCELLANEOUS FOOD PRODUCTS-----	782	-----	-----	-----	82	-----	-----	
2211 BASIC TEXTILE PRODUCTS-----	15	15	-----	-----	-----	-----	-----	
2311 APPAREL-----	47	47	-----	-----	-----	-----	-----	
2412 RAFTED LOGS-----	102,495	-----	-----	-----	-----	21,787	54,082	
2414 TIMBER, POSTS, POLES, PILING-----	1,285	-----	-----	-----	1,218	30	-----	
2416 WOOD CHIPS, STAVES, HOLDINGS-----	1,675	1,675	-----	-----	-----	-----	37	
2421 LUMBER-----	6,654	-----	199	6,425	-----	-----	38	
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,479	-----	-----	1,479	-----	-----	-----	
2491 WOOD MANUFACTURES, NEC-----	1,821	14	1	1,792	1	-----	-----	
2511 FURNITURE AND FIXTURES-----	335	42	108	185	-----	-----	-----	
2631 PAPER AND PAPERBOARD-----	15	-----	-----	-----	15	-----	-----	
2691 PULP AND PAPER PRODUCTS, NEC-----	3,179	4	30	3,134	-----	-----	-----	
2819 BASIC CHEMICALS AND PROD, NEC-----	30	-----	4	-----	26	-----	-----	
2821 PLASTIC MATERIALS-----	17	-----	-----	-----	17	-----	-----	
2841 SOAP-----	5	-----	-----	-----	5	-----	-----	
2871 NITROGENOUS CHEM FERTILIZERS-----	39	-----	-----	-----	39	-----	-----	
2879 FERTILIZER AND MATERIALS, NEC-----	16	-----	-----	-----	16	-----	-----	
2891 MISCELLANEOUS CHEMICAL PROD-----	27	-----	2	25	-----	-----	-----	
2911 GASOLINE-----	77,333	-----	-----	-----	84,756	-----	12,262	
2914 DISTILLATE FUEL OIL-----	229,568	-----	-----	4,997	192,446	516	31,214	
2915 RESIDUAL FUEL OIL-----	41,427	-----	-----	-----	32,774	-----	8,653	
2916 LUBRICATING OILS AND GREASES-----	165	-----	-----	-----	-----	145	-----	

SEATTLE, WASH., DISTRICT

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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	COASTWISE		INTERNAL		
			RECEIPTS	SHIPMENTS	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	2,058	638	7,281	-----	-----	
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,673	47	555	1,071	-----	-----	
3611 ELECTRICAL MACH AND EQUIP-----	198	-----	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	63	-----	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	2,269,792	4,919,930	1978-----	2,824,487	3,239,228	6,063,715
1974-----	2,515,616	1,835,540	4,351,156	1979-----	2,466,941	2,331,705	4,798,646
1975-----	2,536,775	1,829,948	4,366,723	1980-----	2,342,826	2,016,281	4,359,107

* PASSENGERS--7,166.

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		IMPORTS	EXPORTS	COASTWISE	INTERNAL		
				SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL -----	4,359,107	538,774	1,457,601	10,330	1,055,177	425,984	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 PROD, NEC -----	4	4					
2049 GRAIN MILL PRODUCTS, NEC -----	3	3					
2981 ALCOHOLIC BEVERAGES -----	103	103					
2999 MISCELLANEOUS 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 -----	2,016,281				740,142	414,898	861,241
2413 FUEL WOOD, CHARCOAL, WASTES -----	7,773	97			7,676		
2414 TIMBER, POSTS, POLES, PILING -----	586		586		200		
2416 WOOD SHIPS, STAVES, HOLDINGS -----	738,630	99,182			127,508	10,390	
2421 LUMBER -----	65,779	45,842	14,797	4,140			
2431 VENEER, PLYWOOD, WORKED WOOD -----	341		341				
2491 WOOD MANUFACT PLS, NEC -----	2,527	1,920	157				
2911 FURNITURE AND FIXTURES -----	23	23					
2611 PULP -----	135,980	5,283	130,697				
2631 PAPER AND PAPERBOARD -----	1		1				
2711 PRINTED MATTER -----	3		3				
2810 SODIUM HYDROXIDE -----	6,733				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 SHIPMENTS	RECEIPTS	SHIPMENTS	
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	-----	-----	-----	-----	-----
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	-----	-----	-----	138	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-----	2,600	1,035,791	1,038,391
1973-----	58,260	960,034	1,018,294	1978-----	1,925	890,097	891,922
1974-----	7,775	616,697	624,472	1979-----	4,403	1,053,459	1,057,853
1975-----	20,771	526,656	547,427	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 RAY TO AND INCLUDING THE OIL REFINERY WHARVES ON FIDALGO BAY, CONTROLLING DEPTH: MAIN HARBOR ON GUERER 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-----	3,520,803	333,185	3,853,988	602,828	1976-----	7,245,868	250,781	7,496,649	654,734
1972-----	3,171,124	214,889	3,386,013	605,155	1977-----	8,821,585	144,724	8,966,313	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	121,175	9,562,817	1,124,144

SEATTLE, WASH., DISTRICT

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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	46,115	289,072	602,828
1972	9,290	41,384	135,117	39,134	169,928	470,038	48,424	305,045	605,155
1973	3,789	55,187	177,454	18,495	280,637	436,572	22,284	315,824	614,026
1974	•	53,281	174,464	•	315,612	542,735	•	368,873	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	•	396,974	611,954	•	445,466	742,968
1979	•	44,128	126,671	•	452,699	737,647	•	496,827	864,318
1980	•	36,386	100,346	•	377,194	652,602	•	413,580	753,148

• NOT REPORTED.

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL				
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	9,185,812	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-----	185						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	1,596,376	168,219	1,764,595
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	RECEIPTS	SHIPMENTS	
TOTAL-----	2,047,351	292,362	273,752	63,028	224,046	651,813	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	550	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			
2818 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-----	25,068					25,068		
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					428,350		45,000
4112 COMMODITIES, NEC-----	27	1		26				

SEATTLE, WASH., DISTRICT

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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			
HOQUIAM 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-----	116,918		
	2801 GUM AND WOOD CHEMICALS-----	1,182		
	TOTAL-----	130,082	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		
	1451 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 FOLD 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		
	4120 WASTE AND SCRAP, NEC-----	208,165		
	4112 COMMODITIES, NEC-----	135		
	TOTAL-----	18,922,492	12,050,336	

ALASKA DISTRICT

METLAKATLA HARBOR, ALASKA

SECTION INCLUDED: FROM THE BOAT BASIN WEST OF VILLAGE POINT TO AND INCLUDING THE EXISTING 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 MLLA.

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	122,750	224,085	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	238,247	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, HOLDINGS-----	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	-----	-----	-----	-----	-----
3281 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 DEPTHS: NO PROJECT DEPTH FOR MAIN HARBOR; SMALL BOAT BASINS, 10 AND 15 FEET. ALL DEPTHS REFER TO MLLA.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	VESSEL TRAFFIC (TONS)	RAFTED (TONS)	TOTAL (TONS)	PASSENGERS	ADDITIONAL TRAFFIC	
					GENERAL FERRY	
					VEHICLES	PASSENGERS
1971-----	837,647	76,199	1,596,637	47,972	3,427	45,202
1972-----	966,374	1,217,904	2,184,282	47,242	2,417	42,249
1973-----	1,076,473	1,007,827	2,184,293	57,019	11,554	50,219
1974-----	954,675	1,007,692	2,162,374	23,637	48,513	23,637
1975-----	852,767	702,745	1,555,512	42,144	12,201	42,144
1976-----	923,043	637,024	1,559,067	525,131	125,279	425,180
1977-----	1,139,137	626,594	1,765,726	346,773	64,346	346,708
1978-----	1,293,351	679,483	1,972,834	325,444	45,733	325,434
1979-----	1,700,642	503,374	2,204,017	311,174	54,703	311,174
1980-----	1,897,314	671,657	2,568,971	371,917	80,053	371,917

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		IMPORTS	EXPORTS	COASTWISE		INTERNAL	
				RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	2,767,173	496,107	456,404	425,272	47,816	646,243	210,347
0141 FRESH AND FROZEN VEGETABLES-----	193	-----	-----	193	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	12	-----	-----	-----	12	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	217	-----	-----	217	-----	-----	-----

ALASKA DISTRICT

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KETCHIKAN HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	INTERNAL				
				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				
2081 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	40			40				
2311 APPAREL	2			2				
2411 LOGS	176,258	59,614	116,644					
2412 RAFTED LOGS	871,857					749,502	74,231	48,124
2414 TIMBER, POSTS, POLES, PILING	16			16				
2416 WOOD CHIPS, STAVES, MOLDINGS	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 NEWSRINT 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		199	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	741			749	12			
3711 MOTOR VEHICLES, PARTS, EQUIP	2,501	11		2,035	288	5	162	
3731 SHIPS AND BOATS	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 10. INCLUDED: SHORFLINE OF WRANGELL ISLAND FROM THE AIRPLANE LANDING NEAR THE BASE OF POINT SHEKESTI TO POINT HIGHFIELD ON THE NORTH. CONTROLLED DEPTHS: MAIN AND INNER HARBOR 10 FEET. PROJECT DEPTHS: BOTH DOCKING 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	539,784	1,171,639	17,480	3,129	17,480
1974	529,954	491,369	1,021,323	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	3,894	16,814
1977	404,556	225,172	629,728	13,545	3,355	13,545
1978	302,127	244,695	546,822	15,076	3,502	15,076
1979	308,684		308,684	7,701	1,713	7,701
1980	446,795	173,703	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	9,364	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			55		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			
3251 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	8		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	161			106	22	24	9
3731 SHIPS AND R ATS-----	3			3			
3791 MISC TRANSPORTATION EQUIPMENT-----	97			33	24		
3911 MISC MANUFACTURED PRODUCTS-----	67			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 AUTHORIZED CHANNEL WITH EXCEPTION OF THE AREA NEAR COLORADO REEF WHERE A DEPTH OF 21.6 FEET EXISTS. PROJECT DEPTH: 27 FEET THROUGH PETERSBURG BARI 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	534,434	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

ALASKA DISTRICT

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WRANGELL WARROWS, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1986--CONTINUED

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE				INTERNAL			
		RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND	INBOUND	OUTBOUND	UPBOUND	DOWNBOUND
TOTAL-----	1,008,492	10,501	15,830	268,736	47,398	45,798	35,624	517,152	67,501
0122 HAY AND FODDER-----	220			220					
0133 COFFEE-----	2			2					
0141 FRESH AND FROZEN VEGETABLES-----	321	19		65	237				
0161 ANIMALS AND PRODUCTS, NEC-----	449		382	31	36				
0191 MISCELLANEOUS FARM PRODUCTS-----	18	11		7					
0911 FRESH FISH, EXCEPT SHELLFISH-----	3,999	107	492	698	2,052	160	70	40	
0912 SHELLFISH, EXCEPT PREPARED-----	91				91				
1091 NONFERROUS ORES, CONCENT, NEC-----	104			71	33				
1442 SAND, GRAVEL, CRUSHED ROCK-----	64			64					
1491 SALT-----	1,916	227		1,683				6	
1492 SULPHUR, DRY-----	7,101			7,101					
1494 GYPSUM, CRUDE AND PLASTERS-----	64			64					
2011 MEAT, FRESH, CHILLED, FROZEN-----	4							4	
2021 DAIRY PRODUCTS, NEC-----	358			354				4	
2031 FISH AND SHELLFISH, PREPARED-----	27,117		12,950	496	13,426	265		20	
2034 VEGETABLES AND PREP, NEC-----	7							7	
2042 PREPARED ANIMAL FEEDS-----	46			46					
2048 GRAIN MILL PRODUCTS, NEC-----	764	27		737					
2081 ALCOHOLIC BEVERAGES-----	8,422	552		7,845	25				
2091 VEGETABLE OILS, MARG, SHORT-----	20			20					
2094 GROCERIES-----	21,891	2,048		19,862	20			1	
2099 MISCELLANEOUS FOOD PRODUCTS-----	13,091	1,714		13,375				2	
2411 LOGS-----	148,073							83,310	64,763
2412 RAFTED LOGS-----	299,157					20,997	18,338	251,822	
2414 TIMBER, POSTS, POLES, PILING-----	1,282	74		1,188					
2418 WOOD CHIPS, STAVES, MOLDINGS-----	97,386						16,712	80,674	
2421 LUMBER-----	11,613	781	992	9,236	513		10	81	
2431 VENEER, PLYWOOD, WORKED WOOD-----	3,166	100	1	3,065					
2491 WOOD MANUFACTURES, NEC-----	1,411	59		1,297	14			81	
2511 FURNITURE AND FIXTURES-----	2,041	83	21	1,474	462				1
2611 PULP-----	18,937				18,937				
2621 STANDARD NEWSPRINT PAPER-----	1,314			808	506				
2631 PAPER AND PAPERBOARD-----	89	25		64					
2691 PULP AND PAPER PRODUCTS, NEC-----	1,260	85		1,167				8	
2810 SODIUM HYDROXIDE-----	34,820			34,820					
2819 BASIC CHEMICALS AND PROD, NEC-----	11,857	50		11,807					
2821 PLASTIC MATERIALS-----	17			17					
2891 PAINTS-----	1,104	27	191	983	343				
2891 NITROGENOUS CHEM FERTILIZERS-----	39			39					
2891 FERTILIZER AND MATERIALS, NEC-----	232	13		219					
2891 MISCELLANEOUS CHEMICAL PROD-----	12,301	16		11,196	34			1,024	71
2911 GASOLINE-----	26,151	53		4,422	3	2,166		19,184	323
2912 JET FUEL-----	9,980					654		9,295	51
2914 DISTILLATE FUEL OIL-----	89,628			7,196	30	13,149		67,945	1,348
2915 RESIDUAL FUEL OIL-----	51,269			50,909				360	
2916 LUBRICATING OILS AND GREASES-----	6			6					
2918 ASPHALT, TAR, AND BITUMENS-----	2,064			2,064					
2921 LIQUEFIED GASES-----	2,403	320		246		13		1,784	
2991 ASPHALT BUILDING MATERIALS-----	1,392	62		1,329					
2991 PETROLEUM AND COAL PROD, NEC-----	3,330	332	489	2,353	196				
3011 RUBBER AND MISC PLASTIC PROD-----	107	7		94	8				
3241 BUILDING CEMENT-----	1,856	662		1,177	3			14	
3251 STRUCTURAL CLAY PRODUCTS-----	281	15		261	5				
3271 LIME-----	19			19					
3291 MISC NONMETALLIC MINERAL PROD-----	6,127	195	1	5,850				81	
3315 IRON, STEEL SHAPES, EXC SHEET-----	434			434					
3317 IRON AND STEEL PIPE AND TUBE-----	1,506			968	938				
3321 NONFERROUS METALS, NEC-----	16	1		15					
3411 FABRICATED METAL PRODUCTS-----	7,163	627	8	6,349	146	17		18	
3511 MACHINERY, EXCEPT ELECTRICAL-----	6,008	385	181	2,972	921	50	369	742	388
3611 ELECTRICAL MACH AND EQUIP-----	939	40	3	491	4				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	6,136	110	18	5,117	802			40	29
3731 SHIPS AND BOATS-----	794	71		663	64				
3791 MISC TRANSPORTATION EQUIPMENT-----	2,402	25	47	1,083	1,161	32		29	25
3911 MISC MANUFACTURED PRODUCTS-----	97		1	17	79				
4011 IRON AND STEEL SCRAP-----	1,737		4	27	1,706				
4112 COMMODITIES, NEC-----	51,854	1,549	66	45,458	3,415	213	125	576	502
4119 EMPTY CONTAINERS-----	1,462	9	84	125	1,264				
TON-MILES, DOMESTIC,-----	23,567,352.								
TONS, ALL TRAFFIC,-----	1,010,065.								
TON-MILES, ALL TRAFFIC,-----	23,601,958.								

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-----	615,654	382,074	997,728	23,837
1972-----	692,210	551,227	1,243,437	11,147	1977-----	551,405	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	2,633	11,263	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	4,874	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		COASTWISE		DOMESTIC		LOCAL
		IMPORTS	EXPORTS	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 ORS., CONCENT., NEC-----	42	-----	42	-----	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	16,233	16,200	33	-----	-----	-----	-----	-----
1451 CLAY-----	658	658	-----	-----	-----	-----	-----	-----
1491 SALT-----	1,260	-----	-----	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	44,763	-----
2412 RAFTED LOGS-----	361,146	-----	-----	-----	-----	161,146	-----	-----
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	-----	-----	493	201	181	-----	-----
2511 FURNITURE AND FIXTURES-----	554	-----	-----	350	203	1	-----	-----
2611 PULP-----	158,360	-----	139,462	-----	18,898	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	123	-----	-----	22	101	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	78	-----	-----	49	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	-----	-----	159	171	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	20	-----	-----	20	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	11,103	-----	-----	11,063	-----	40	-----	-----
2911 GASOLINE-----	6,185	-----	-----	201	-----	5,934	-----	-----
292 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	-----	-----	-----	83	-----	-----	-----
2918 ASPHALT, TAR, AND BITUMENS-----	90	-----	-----	90	-----	-----	-----	-----
2921 LIQUIFIED GASES-----	579	-----	-----	229	-----	483	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	229	-----	-----	229	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD., NEC-----	1,305	-----	-----	562	443	-----	-----	-----
3011 RUBBER AND MIS. PLASTIC PROD-----	98	30	-----	76	2	-----	-----	-----
3241 BUILDING CEMENT-----	3,368	2,991	-----	328	15	14	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	148	90	-----	58	-----	-----	-----	-----
3291 MIS. NONMETALLIC MINERAL PROD-----	1,016	-----	-----	906	76	34	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	27	27	-----	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	6	-----	-----	6	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	2,283	-----	-----	1,526	557	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,712	43	1	621	495	137	32	75
3611 ELECTRICAL MACH. AND EQUIP-----	155	-----	-----	155	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	3,971	-----	-----	2,765	1,157	47	2	-----

ALASKA DISTRICT

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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	6	-----	27,151	17,564	242	234	-----
4119 EMPTY CONTAINERS-----	221	-----	-----	82	139	-----	-----	-----

SERGIUS AND WHITESTONE NARROWS, ALASKA

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

COMPARATIVE STATEMENT OF TRAFFIC
 (SHORT TONS)

YEAR	VESSEL TRAFFIC	RAFTED	TOTAL	YEAR	VESSEL TRAFFIC	RAFTED	TOTAL
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	467	-----	-----
1492 SULPHUR, DRY-----	7,101	-----	7,101	-----	-----
2021 DAIRY PRODUCTS, NEC-----	358	-----	358	-----	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, HARD, SHORT-----	20	-----	20	-----	-----
2094 GROCERIES-----	7,175	669	6,506	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	3,436	203	3,233	-----	-----
2411 LOGS-----	184,670	-----	184,670	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	-----	181
2511 FURNITURE AND FIXTURES-----	753	197	555	-----	1
2611 PULP-----	18,937	18,898	38	-----	-----
2621 STANDARD REFSPRINT PAPER-----	237	101	136	-----	-----
2631 PAPER AND PAPERBOARD-----	75	26	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 BUILDING 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

SERGIS AND WHITESTONE NARROWS, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE THROUGH		INTERNAL THROUGH	
		NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND
3791 MISC TRANSPORTATION EQUIPMENT-----	642	126	445	-----	71
3911 MISC MANUFACTURED PRODUCTS-----	86	78	8	-----	-----
4011 IRON AND STEEL SCRAP-----	477	388	27	-----	-----
4112 COMMODITIES, NEC-----	35,130	6,378	28,203	302	247
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; 12.9 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	4,159	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	132,903	5,052	132,903
1975-----	1,415,177	-----	1,415,177	151,573	5,573	151,573
1976-----	832,562	-----	832,562	139,851	4,270	139,851
1977-----	1,026,448	-----	1,026,448	77,058	5,498	77,058
1978-----	906,289	-----	906,289	187,637	5,612	187,637
1979-----	800,207	-----	800,207	101,732	3,891	101,732
1980-----	1,085,060	-----	1,085,060	153,792	5,362	153,792

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-----	26,979	-----	26,975	-----
1091 FERROUS ORES, CONCENT. NEC-----	637,132	376,877	260,295	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	20	20	-----	-----
1499 NONFERROUS MINERALS, NEC-----	17,563	-----	17,563	-----
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 EASTENLY 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-----	10,664,972
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

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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-----	800	623	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 INCLUDED: KNIA ARM FROM THE MUNICIPAL TERMINAL ON THE NORTH TO AND INCLUDING TERMINAL FACILITIES ON SWIP CREEK. CONTROLLING DEPTH: 35 FEET OFF THE FACE OF THE CITY DOCK; THE APPROACH CHANNEL NORTH OF FIRE ISLAND, TO POINT MORONZOF, 28.5 FEET. PROJECT DEPTH: 35 FEET. ALL DEPTHS REFER TO MLLW.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC		YEAR	TONS	PASSENGERS	ADDITIONAL TRAFFIC	
			GENERAL FERRY	VEHICLES				GENERAL FERRY	VEHICLES
1971-----	1,782,064	2,840	414	2,785	1976-----	2,932,468	-----	-----	-----
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	SHIPMENTS	
TOTAL-----	1,751,640	261,418	30,756	1,335,075	124,213	178
0107 WHEAT-----	44	-----	-----	44	-----	-----
0112 FLAXSEED-----	43	-----	-----	43	-----	-----
0122 HAY AND FORAGE-----	19	-----	-----	19	-----	-----
0131 FRESH FRUITS AND TREE NUTS-----	7,990	-----	-----	7,990	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	6,837	-----	-----	6,837	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	501	4	-----	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 SALT-----	9,913	-----	-----	9,913	-----	-----
1491 LAY-----	9,875	824	135	8,916	-----	-----
1494 GYPSUM, CEMENT AND PLASTER-----	224	-----	-----	224	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	2,118	-----	-----	2,118	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	15,157	-----	-----	15,157	-----	-----
2012 MEAT AND BIRDS, NEC-----	131	-----	-----	2	129	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	41	-----	-----	41	-----	-----
2021 DAIRY PRODUCTS, NEC-----	14,720	-----	-----	14,720	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	34,947	-----	3,978	-----	30,851	-----
2042 PREPARED ANIMAL FEEDS-----	1,828	-----	-----	1,828	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	361	-----	-----	361	-----	-----
2062 MOLASSES-----	201	-----	-----	201	-----	-----
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		
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	LOCAL
2111 TOBACCO MANUFACTURES-----	146			146		
2211 BASIC TEXTILE PRODUCTS-----	866	5		861		
2311 APPAREL-----	27	6		21		
2413 FUEL WOOD, CHARCOAL, WASTES-----	83			83		
2414 TIMBER, POSTS, POLES, PILING-----	715			715		
2421 LUMBER-----	44,498		4,363	40,110	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			12,754	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		2,058		
2911 GASOLINE-----	336,402	241,744		94,658		
2913 KEROSENE-----	187,376			187,376		
2914 DISTILLATE FUEL OIL-----	17,842			1,053	16,561	178
2916 LUBRICATING OILS AND GREASES-----	745			745	20	
2918 ASPHALT, TAR, AND PITCHES-----	51,336			51,336		
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-----	822		4	818		
3241 BUILDING CEMENT-----	48,337	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	15,427		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		35,572	536	
3511 MACHINERY, EXCEPT ELECTRICAL-----	25,593	4	825	14,886	5,474	
3611 ELECTRICAL MACH AND EQUIP-----	1,344		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 INSTR, TIME, PHOTO, OPT GOODS-----	29			29		
3911 MISC MANUFACTURED PRODUCTS-----	23,058	12		453	22,413	
4011 IRON AND STEEL SCRAP-----	2,862			17	2,862	
4012 NONFERROUS METAL SCRAP-----	26			25	25	
4111 WATER-----	26			25		
4112 COMMODITIES, NEC-----	425,704	152		423,122	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. CONTROLLING DEPTH: ABOUT 25 FEET IN THE CHANNEL AND 12 FEET IN THE BOAT BASIN; 30 FEET IN ST. PAUL HARBOR.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	148,444	7,985	1976-----	384,255	10,392
1972-----	192,963	9,717	1977-----	419,117	7,524
1973-----	236,612	10,875	1978-----	558,235	10,754
1974-----	217,024	11,846	1979-----	932,926	4,734
1975-----	329,639	12,350	1980-----	322,989	11,055

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	32,549	462	4,554	119,554	114,439
0129 FIELD CROPS, NEC-----	22	22			
0131 FRESH FRUITS AND TREE NUTS-----	147			141	6
0141 FRESH AND FROZEN VEGETABLES-----	144			144	

ALASKA DISTRICT

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KODIAK HARBOR, ALASKA--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC COASTWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
0011 FRESH FISH, EXCEPT SHELLFISH	11,428	18	4,166	431	6,813
0012 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	658	6		652	
2211 BASIC TEXTILE PRODUCTS	70	36		17	17
2311 APPAREL	64	64			
2414 TIMBER, POSTS, POLES, PILING	263			263	
2416 WOOD CHIPS, STAVES, MOLDINGS	12	12			
2421 LUMBER	1,988			1,701	287
2431 VENEER, PLYWOOD, 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, TAP, AND PITCHES	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	1,491	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	15		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	163,556	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	234,061	179,936	38,007
0011 FRESH FISH, EXCEPT SHELLFISH	45	45				
0012 SHELLFISH, EXCEPT PREPARED	8,852		7,741	761	350	
1491 SALT	13,078		11,696	992	350	
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	2,141	40	13,737	
2039 PREP FRUIT AND VEG JUICE, NEC	337			337		
2042 PREPARED ANIMAL FEEDS	4		4			

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

ICTULIUK 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-----	742			742		
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-----	40,345			5,647	50,698	4,010
2913 KEROSENE-----	71,821			71,821		
2914 DISTILLATE FUEL OIL-----	232,568			119,491	83,910	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 INSTR, TIME, PHOTO, OPT, 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

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OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TONS 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		
	2701 ALCOHOLIC BEVERAGES	65		
	2704 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	20,595		
	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		
	4711 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		
	1401 SALT	62		
	2731 FISH AND SHELLFISH, PREPARED	737		
	2742 PREPARED ANIMAL FEEDS	23		
	2701 ALCOHOLIC BEVERAGES	316		
	2704 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		
	2417 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	101		
	3711 MOTOR VEHICLES, PARTS, EQUIP	14		
	3731 SHIPS AND BOATS	1		
	3791 MISC TRANSPORTATION EQUIPMENT	1		
	3911 MISC MANUFACTURED PRODUCTS	10		
	4112 COMMODITIES, NEC	2,804		
	TOTAL	30,211		
CRAIG HARBOR, ALASKA	0141 FRESH AND FROZEN VEGETABLES	1		
	0911 FRESH FISH, EXCEPT SHELLFISH	1		
	2731 FISH AND SHELLFISH, PREPARED	1		
	2701 ALCOHOLIC BEVERAGES	1		
	2704 GROCERIES	1		
	2421 LUMBER	1		
	2491 WOOD MANUFACTURES, NEC	1		
	2911 GASOLINE	1		
	2912 JET FUEL	1		
	2914 DISTILLATE FUEL OIL	1		
ELLSWORTH HARBOR, ALASKA	1401 SALT	1		
	2701 ALCOHOLIC BEVERAGES	1		
	2704 GROCERIES	1		
	2799 MISCELLANEOUS FOOD PRODUCTS	1		
	2819 BASIC CHEMICALS AND PROD, NEC	1		
	2851 PAINTS	1		
	2879 FERTILIZER AND MATERIALS, NEC	1		
	2891 MISCELLANEOUS CHEMICAL PROD	1		
	2911 GASOLINE	1		
	2912 JET FUEL	1		

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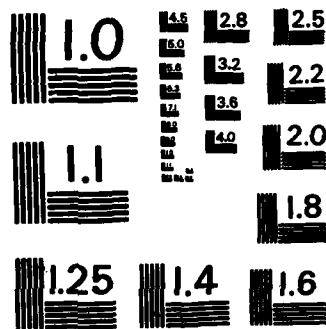
WATERBORNE COMMERCE OF THE UNITED STATES CALENDAR YEAR 2/2
1980 PART 4 WATERW. (U) CORPS OF ENGINEERS FORT BELVOIR
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WATERBORNE COMMERCE OF THE UNITED STATES, 1980

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-----	236	-----	-----
	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-----	10	-----	-----
	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	-----	-----
DOUGLAS HARBOR, ALASKA-----	NO COMMERCE REPORTED			
DRY PASS, ALASKA-----	NO COMMERCE REPORTED			
EGEGIK RIVER, ALASKA-----	1491 SALT-----	103	-----	-----
	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	-----	-----
HOMER, ALASKA-----	0151 LIVE ANIMALS-----	118	-----	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,317	-----	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	708	-----	-----
	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

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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 SMELFISH	1,767		
	0912 SMELFISH, 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 SMELFISH, 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	10,148		
	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	187		
	2891 MISCELLANEOUS CHEMICAL PROD	92		
	2911 GASOLINE	22,173		
	2912 JET FUEL	7,749		
	2914 DISTILLATE FUEL OIL	34,462		
	2916 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		
	3091 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		
	3511 MACHINERY, EXCEPT ELECTRICAL	5,131		
	3611 ELECTRICAL MACH AND EQUIP	326		
	3711 MOTOR VEHICLES, PARTS, EQUIP	3,525		
	3721 AIRCRAFT AND PARTS	1		
	3731 SHIPS AND BOATS	415		
	3791 MISC TRANSPORTATION EQUIPMENT	1,995		
	3911 MISC MANUFACTURED PRODUCTS	10		
	4011 IRON AND STEEL SCRAP	2,340		
	4112 COMMODITIES, NEC	11,316		
	4119 EMPTY CONTAINERS	1,204		
	TOTAL	179,619		180,277
KAKE HARBOR, ALASKA	0911 FRESH FISH, EXCEPT SMELFISH	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	25		
	3291 MISC NONMETALLIC MINERAL PROD	22		
	3411 FABRICATED METAL PRODUCTS	1		
	3511 MACHINERY, EXCEPT ELECTRICAL	104		
	4112 COMMODITIES, NEC	746		
	TOTAL	61,862		4,852
KING COVE, ALASKA	0912 SMELFISH, EXCEPT PREPARED	197		
	1491 SALT	492		
	2011 MEAT, FRESH, CHILLED, FROZEN	75		
	2031 FISH AND SMELFISH, 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
NANNEK 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-----	1,537	-----	-----
	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-----	11,566	-----	-----
	2914 DISTILLATE FUEL OIL-----	16,491	-----	-----
	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

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OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	TOTAL TON-MILES	PASSENGERS
PROJECT--CONTINUED				
OLD HARBOR, ALASKA (CONTINUED)-----				
	2011 GASOLINE-----	46		
	2012 JET FUEL-----	320		
	2014 DISTILLATE FUEL OIL-----	330		
	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-----	1,465		
	0912 SHELLFISH, EXCEPT PREPARED-----	21		
	2031 FISH AND SHELLFISH, PREPARED-----	670		
	2001 ALCOHOLIC BEVERAGES-----	15		
	2094 GROCERIES-----	19		
	2421 LUMBER-----	61		
	2011 GASOLINE-----	146		
	2012 JET FUEL-----	362		
	2014 DISTILLATE FUEL OIL-----	1,044		
	2015 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-----	302		
	0191 MISCELLANEOUS FARM PRODUCTS-----	11		
	0911 FRESH FISH, EXCEPT SHELLFISH-----	2,310		
	1401 SALT-----	227		
	2031 FISH AND SHELLFISH, PREPARED-----	13,259		
	2049 GRAIN MILL PRODUCTS, NEC-----	27		
	2001 ALCOHOLIC BEVERAGES-----	552		
	2094 GROCERIES-----	2,060		
	2099 MISCELLANEOUS FOOD PRODUCTS-----	1,714		
	2412 RAFTED LOGS-----	30,441		
	2414 TIMBER, POSTS, POLES, PILING-----	74		
	2416 WOOD CHIPS, STAVES, HOLDINGS-----	16,712		
	2421 LUMBER-----	1,703		
	2431 VENEER, PLYWOOD, WORKED WOOD-----	101		
	2491 WOOD MANUFACTURES, NEC-----	59		
	2911 FURNITURE AND FIXTURES-----	104		
	2631 PAPER AND PAPERBOARD-----	29		
	2691 PULP AND PAPER PRODUCTS, NEC-----	85		
	2819 BASIC CHEMICALS AND PROD, NEC-----	50		
	2891 PAINTS-----	170		
	2879 FERTILIZER AND MATERIALS, NEC-----	13		
	2891 MISCELLANEOUS CHEMICAL PROD-----	10		
	2011 GASOLINE-----	2,219		
	2012 JET FUEL-----	694		
	2014 DISTILLATE FUEL OIL-----	13,147		
	2921 LIQUEFIED GASES-----	333		
	2951 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-----	120		
	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-----	230		
	2094 GROCERIES-----	46		
	2011 GASOLINE-----	59		
	2012 JET FUEL-----	34		
	2014 DISTILLATE FUEL OIL-----	391		
	4112 COMMODITIES, NEC-----	71		
	TOTAL-----	839		
SELDOVIA HARBOR, ALASKA-----				
	2031 FISH AND SHELLFISH, PREPARED-----	33		
	2011 GASOLINE-----	375		
	2012 JET FUEL-----	345		
	2014 DISTILLATE FUEL OIL-----	3,135		
	TOTAL-----	3,888		4,920
SEWARD HARBOR, ALASKA-----				
	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,063		
	0912 SHELLFISH, EXCEPT PREPARED-----	1,695		
	2031 FISH AND SHELLFISH, PREPARED-----	306		
	2411 LOGS-----	40,978		
	2412 RAFTED LOGS-----	21,474		
	2416 WOOD CHIPS, STAVES, HOLDINGS-----	53,160		
	2011 GASOLINE-----	1,047		
	2012 JET FUEL-----	606		
	2014 DISTILLATE FUEL OIL-----	11,330		
	3317 IRON AND STEEL PIPE AND TUBE-----	5,330		
	3511 MACHINERY, EXCEPT ELECTRICAL-----	700		
	TOTAL-----	137,049		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	-----	-----
	2891 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	-----	-----
	3251 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-----	9,045	-----	-----
	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	-----	-----
	1491 CLAY-----	124	-----	-----
	1493 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	-----	-----
	2891 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	-----	-----
	3911 INSTR, TIME, PHOTO, OPT GOODS-----	10	-----	-----
	3911 MISC MANUFACTURED PRODUCTS-----	1,443	-----	-----
	4029 WASTE AND SCRAP, NEC-----	440	-----	-----
	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-----	10		
	1091 NONFERROUS ORES, CONCENT, NEC-----	222		
	1411 LIMESTONE-----	753		
	1442 SAND, GRAVEL, CRUSHED ROCK-----	416		
	1451 CLAY-----	994		
	1491 SALT-----	42		
	1494 GYPSUM, CRUDE AND PLASTERS-----	4,683		
	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-----	120		
	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-----	2,765		
	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		
	2831 PAINTS-----	697		
	2871 NITROGENOUS CHEM FERTILIZERS-----	1,670		
	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		
	3251 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-----	14,970		
	3611 ELECTRICAL MACH AND EQUIP-----	980		
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	7,666		
	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

97

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
SAN DIEGO HARBOR, CALIF.					INBOUND					OUTBOUND		
37			3				1	1				2
36			1				1	2				4
35		1	7				3	3				3
34		2	9				11	4	1			9
33		4	2				6	8	1			9
32		7					7	9				9
31		1	4				5	8				8
30		2	1				3	7	1			8
29		2	1				3	5	2			7
28		6	1				7	5	3			8
27		2	1				3	4	3			7
26		6	1				7	8	2			10
25		11					11	7				7
24		11	2				13	9	2			11
23		14	3				17	8	1			9
22		21					21	8	2			10
21		26	1				27	11	1			12
20		36	1		1		38	16	2			18
19		39					35	12	3			15
18 AND LESS		889	3	83	62	13	1,021	869	12	70	90	1,094
TOTAL		1,047	41	83	63	13	1,247	1,012	39	70	90	1,224
LONG BEACH HARBOR, CALIF.					INBOUND					OUTBOUND		
96			3				3					3
97			19				19		3			2
96			36				36		2			1
95			7				7		1			3
94			12				12		3			1
93			19				19		1			
92			22				22					
91			14				14					
90			3				3		6			6
49			5				5					
48			6				6		1			1
47			1				1		4			4
46			6				6		3			5
45			7				7	2	11			13
44							17		7			7
43		1	16				15	1	3			4
42		2	8				10	1	4			5
41		2	12				14	6	4			10
40			14				14	4	19			19
39		12	12				24	13	12			25
38		3	15				18	14	16			30
37		10	14				24	9	17			26
36		3	25				28	13	38			43
35		29	21				50	31	37			68
34		35	42				77	74	36			110
33		60	23				91	80	69	1		170
32		77	38				115	116	39			197
31		144	26				170	165	48			285
30		130	31				161	191	42			193
29		161	10				171	120	23			143
28		156	15				171	167	21			188
27		122	13				135	104	11			117
26		130	116				294	181	17			110
25		118	17				135	123	22	1		146
24		110	22				132	124	119			243
23		202	15	1			218	114	18			124
22		107	8				115	86	12	3		101
21		75	14				89	68	8		1	77
20		73	11	1			85	109	53			164
19		67	9	1	4		81	38	2	1		41
18 AND LESS		1,143	31	276	216	12	1,978	1,114	27	931	179	1,862
TOTAL		2,988	753	279	220	12	4,552	2,984	751	939	183	4,435
LOS ANGELES HARBOR, CALIF.					INBOUND					OUTBOUND		
91			19				19		3			3
90			6				6					
49		1	4				5		1			1
48			2				2		2			2
47			2				2		1			1
46			2				2					
45			6				6		6			6
44			7				7		3			3
43			7				7		1			1
42			4				4	5	2			7
41		3	5				8	1	1			2
40			5				5		3			5
39		5	9				14	3	8			8
38			12				13	4	12			16
37		6	14		1		20	5	13			18
36		8	24				32	15	19			34
35		10	31				41	20	27			47
34		10	63				73	30	59			88
33		19	89				70	27	27			94
32		51	95				106	69	51			126
31		78	43				121	81	38			119
30		163	34				217	134	49			196
29		159	38				193	159	24			193

* EXCLUDES DOMESTIC FISHING CRAFT.

LOS ANGELES, CALIF., DISTRICT

TRIPS AND DRAFTS OF VESSELS •

HARBOR OR WATERWAY				DIRECTION			DIRECTION					
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
LOS ANGELES HARBOR, CALIF.--(CONTINUED)												
25	197	20		INBOUND		217	169	49		OUTBOUND		218
26	149	67				212	121	25				146
27	164	36				200	180	10				190
28	142	23				165	129	29				158
29	133	22				155	104	39				143
30	97	16	1			114	74	30	1			113
31 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	4,666	3,299	640	431	236	9	4,775
PORT HUENEME, CALIF.												
37		1		INBOUND		1		1		OUTBOUND		1
38		10				10						10
39		15				15	1					16
40		2				2						2
41		1				2						2
42		1				2	1					3
43						2	2					4
44						2	2					4
45						2	2					4
46						2	2					4
47						2	2					4
48						2	2					4
49						2	2					4
50						2	2					4
51						2	2					4
52						2	2					4
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154						2	2					4
155						2	2					4
156						2	2					4
157						2	2					4
158						2	2					4
159						2	2					4
160						2	2					4
161						2	2					4
162						2	2					4
163						2	2					4
164						2	2					4
165						2	2					4
166						2	2					4
167						2	2					4
168						2	2					4
169						2	2					4
170						2	2					4
171						2	2					4
172						2	2					4
173						2	2					4
174						2	2					4
175						2	2					4
176						2	2					4
177						2	2					4
178						2	2					4
179						2	2					4
180						2	2					4
181						2	2					4
182						2	2					4
183						2	2					4
184						2	2					4
185						2	2					4
186						2	2					4
187						2	2					4
188						2	2					4
189						2	2					4
190						2	2					4
191						2	2					4
192						2	2					4
193						2	2					4
194						2	2					4
195						2	2					4
196						2	2					4
197						2	2					4
198						2	2					4
199						2	2					4
200						2	2					4
201						2	2					4
202						2	2					4
203						2	2					4
204						2	2					4
205						2	2					4
206						2	2					4
207						2	2					4
208						2	2					4
209						2	2					4

SACRAMENTO, CALIF., DISTRICT

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TRIPS AND DRAFTS OF VESSELS •

HARBOR OR WATERWAY	DIRECTION					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	
DRAFT (FEET)											
SACRAMENTO RIVER, CALIF.											
30 -	6	10		UPBOUND		14	75		DOWNBOUND		75
29 -	6	1				7	16				16
28 -	3					3	16				16
27 -	10					10	7				7
26 -	9					10	13				10
25 -	6			4		10	9	5			14
24 -	7	1				8	5	5			6
23 -	10					3	3	1			3
22 -	7					10	3				2
21 -	9					7	1	1			4
20 -	23					9	4				4
19 -	22					23	2				2
18 -	11					22	1				1
17 -	10					11	1		1		2
16 -	3					11	1				2
15 -	2			1		3	1		1		2
14 -						3					1
13 -						1					1
12 -						1					1
11 -						1					1
10 -						1					1
9 -						1					1
8 -						1					1
7 -						1					1
6 AND LESS -						1					1
TOTAL -	144	13	12	25	1	195	190	12	6	21	190
SACRAMENTO RIVER DEEPWATER SHIP CHANNEL, CALIF.											
30 -	6	8		UPBOUND		14	75		DOWNBOUND		75
29 -	6	1				7	16				16
28 -	3					3	16				16
27 -	10					10	7				7
26 -	9					10	13	1			10
25 -	6			4		10	9				9
24 -	7	1				8	5				5
23 -	10					3	3				3
22 -	7					10	3				1
21 -	9					7	1				4
20 -	23					9	4				4
19 -	22					23	2				2
18 -	11					22	1				1
17 -	10					11	1				2
16 -	3					11	1		1		2
15 -	2					3	1				2
14 -				1		3			1		1
13 -						1					1
12 -						1					1
11 -						1					1
10 -						1					1
9 -						1					1
8 -						1					1
7 -						1					1
6 AND LESS -						1					1
TOTAL -	144	10	1	8		143	180	1	1	3	163
SACRAMENTO, CALIF.											
30 -	6	10		INBOUND		14	75		OUTBOUND		75
29 -	6	1				7	16				16
28 -	3					3	16				16
27 -	10					10	7				7
26 -	9					10	13				10
25 -	6			4		10	9				9
24 -	7	1				8	5				5
23 -	10					3	3				3
22 -	7					10	3				1
21 -	9					7	1				4
20 -	23					9	4				4
19 -	22					27	2				2
18 -	11					22	1				2
17 -	10					12	1		1		2
16 -	3					11	1				2
15 -	2					3	1		1		2
14 -				1		3					1
13 -						1			1		1
12 -						1					1
11 -						1					1
10 -						1					1
9 -						1					1
8 -						1					1
7 -						1					1
6 AND LESS -						1					1
TOTAL -	144	13	10	8		175	190	13	6	3	190
SAN JOAQUIN RIVER, CALIF.											
30 -	38	4		UPBOUND		40	49	3	DOWNBOUND		92
29 -	2	6		1		9	9	2			11
28 -	6	3				13	4	4			17
27 -	4	1				9	5	1			14
26 -	2					4	12	2			16
25 -	9					12	1	1			13
24 -	3			3		8	17	3			20
23 -	1					6	5	2			7
22 -	4					4	3				4
21 -	6					6	3	1			10
20 -	11					13	10				11
19 -	19					21	10	1			11
18 -	10			2		16	3		2		6
17 -	10					16	4			1	6
16 -	10					17					6
15 -	10					17					6
14 -	10					17					6
13 -	10					17					6
12 -	10					17					6
11 -	10					17					6
10 -	10					17					6
9 -	10					17					6
8 -	10					17					6
7 -	10					17					6
6 AND LESS -						17					6
TOTAL -	38	4		1		40	49	3			92

• EXCLUDES DOMESTIC FISHING CRAFT.

• EXCLUDES DOMESTIC FISHING CRAFT.

SACRAMENTO, CALIF., DISTRICT

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY				DIRECTION			DIRECTION					
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
SAN JOAQUIN RIVER, CALIF.--(CONTINUED)												
17												
16	11	2				13		2				
15	5					5		1				
14	4		1			5						
13	2					2			1			
12 AND LESS			2			2						
TOTAL	183		98	793	7	1,041	180	1	99	794	8	1,042
	341	26	44	708	7	1,236	332	28	62	799	8	1,229
STOCKTON, CALIF.												
30	14	4				19	40	1				
29	1	4				5		1				
28	6	2	1			9	8	2				
27	4	1				5	9					
26	2	2				4	9	2				
25	9	3				12		1				
24	4	1				5	6	1				
23	3					3	4	1				
22	4					4	2					
21	9					9	2					
20	14		2			16	9	1				
19	12					13	2	2				
18 AND LESS	124		15	3	7	149	94	5	14	8	8	129
TOTAL	207	17	18	7	7	256	197	16	16	8	8	245
OLD RIVER, CALIF.												
19												
18												
17												
16			100			100			2			
15									98	91		189
14										21		21
13										120		120
12												
TOTAL			100	296		396			100	298		398
MIDDLE RIVER, CALIF.												
TOTAL, 11 AND LESS			15	62		77			15	62		77
MOKELUHNE RIVER, CALIF.												
TOTAL, 11 AND LESS			10	35		45			10	35		45
* EXCLUDES DOMESTIC FISHING CRAFT.												

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[illegible]

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			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
REDWOOD CITY HARBOR, CALIF.--(CONTINUED)												
24 - - - - -	1	2				3	2					2
23 - - - - -	1					1		1				1
22 AND LESS - - - - -	14	1	77	136	7	235	6	88		110	7	219
TOTAL - - - - -	25	7	77	136	7	290	17	88		110	7	230
OAKLAND HARBOR, CALIF.												
39 - - - - -	2					2	90					90
37 - - - - -							2					2
36 - - - - -	8					8	8					8
35 - - - - -	19	1				20	37					37
34 - - - - -	99					99	45					45
33 - - - - -	63	1				64	105					105
32 - - - - -	86					86	127	2				129
31 - - - - -	179	1				176	133	1				124
30 - - - - -	197	1				198	133	1				134
29 - - - - -	197	1				198	143					143
28 - - - - -	127	1				128	140	4				144
27 - - - - -	144					144	124					124
26 - - - - -	177	2				179	145	1				146
25 - - - - -	191	2				193	125					125
24 - - - - -	115	1				116	107	2				109
23 - - - - -	75	1				76	53	2				55
22 AND LESS - - - - -	148	9	973	235	153	1,918	136	10	933	228	191	1,478
TOTAL - - - - -	1,703	21	973	235	153	3,085	1,623	23	933	228	191	2,958
RICHMOND HARBOR, CALIF. *												
43 - - - - -		8				8		1				1
41 - - - - -								2				2
40 - - - - -		4				4		1				1
38 - - - - -		4				4		3				3
37 - - - - -		12				12		16				16
36 - - - - -		18				18	1	33				34
35 - - - - -		37				37	1	40				41
34 - - - - -		49				49	1	25				26
33 - - - - -		21				21	1	15				16
32 - - - - -	1	35				36		31				31
31 - - - - -	5	47				52		42				42
30 - - - - -	8	30				38	13	32				45
29 - - - - -	8	18				26	7	25				30
28 - - - - -	12	35				47	12	26				38
27 - - - - -	9	19				28	19	22				37
26 - - - - -	14	31				45	19	21				36
25 - - - - -	16	25				41	16	28				44
24 - - - - -	8	19				27	15	10				43
23 - - - - -	19	23				42	13	20				33
22 AND LESS - - - - -	441	95	1,231	615	263	2,645	438	122	1,140	993	264	2,937
TOTAL - - - - -	541	526	1,231	615	263	3,176	548	933	1,140	993	264	3,058
SAN PAULO BAY AND MARE ISLAND STRAIT, CALIF. *												
45 - - - - -		2				2		4				4
44 - - - - -		1				1						
43 - - - - -		1				1						
42 - - - - -		1				1						
41 - - - - -		9				9						
39 - - - - -		3				3		1				1
38 - - - - -		1				1		5				5
37 - - - - -		9				9		4				5
36 - - - - -		21				21	3	9				12
35 - - - - -	9	46				51	3	16				19
34 - - - - -	10	44				54	1	68				69
33 - - - - -	21	39				60	4	53				57
32 - - - - -	20	74				94	39	47				86
31 - - - - -	20	44		1		65	37	58				93
30 - - - - -	15	34				49	92	48				100
29 - - - - -	16	34				50	34	23				57
28 - - - - -	13	42	1			56	44	49				93
27 - - - - -	19	27				46	21	31				52
26 - - - - -	38	12				42	38	45				83
25 - - - - -	40	20		7		67	46	35				81
24 - - - - -	38	15				53	46	20				66
23 - - - - -	37	20				57	32	23				55
22 AND LESS - - - - -	694	207	359	913	39	2,172	548	196	303	893	41	1,981
TOTAL - - - - -	938	766	360	921	39	2,984	949	733	303	893	41	2,919
CARQUINEZ STRAIT, CALIF. *												
37 - - - - -		17				17		11				11
36 - - - - -		13				13	3	6				9
35 - - - - -	6	31				37	6	22				28
34 - - - - -	10	40				50	3	68				71
33 - - - - -	20	34				54	6	45				51
32 - - - - -	21	65				86	40	35				75
31 - - - - -	19	34		1		54	38	36				74
30 - - - - -	15	32				47	93	21				74
29 - - - - -	16	32				48	32	21				53
28 - - - - -	13	38	1			52	41	34				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							
	DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	
		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		
CARQUINEZ STRAIT, CALIF.--(CONTINUED)							UPBOUND						DOWNBOUND	
27 - - - - -	19	14				33		19	15					34
26 - - - - -	30	12				42		35	33					68
25 - - - - -	40	20			7	67		46	27					73
24 - - - - -	30	16				54		46	14					60
23 - - - - -	37	12				49		33	24					57
22 AND LESS - - - - -	640	137	318	820	37	1,900		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
36 - - - - -		2				2		3	3					6
35 - - - - -								1	3					4
34 - - - - -		1				1		1	3					4
33 - - - - -	6	2				8		4	2					6
32 - - - - -	11	4				15		35	5					40
31 - - - - -	17	6			1	24		35	6					41
30 - - - - -	7	10				17		45	9					50
29 - - - - -	8	8				16		25	3					28
28 - - - - -	9	3				13		29	6					37
27 - - - - -	14	4	1			18		12	1					13
26 - - - - -	11	6				17		25	8					33
25 - - - - -	13	4			7	26		21	10					31
24 - - - - -	12	3				15		22	8					30
23 - - - - -	14	3				17		7	7					14
22 - - - - -	13	6				19		4	1					5
21 - - - - -	18	3				23		13	2					15
20 - - - - -	20	4				22		15	3					18
19 - - - - -	40	1	6			41		6	2	2				10
18 AND LESS - - - - -	66	17	150	813	8	1,054		7	12	146	812	11	980	
TOTAL - - - - -	305	87	157	821	8	1,378		310	94	148	812	11	1,375	
HUMBOLDT HARBOR AND BAY, CALIF.							INBOUND						OUTBOUND	
39 - - - - -								1						1
38 - - - - -		1				1		3						3
37 - - - - -								1						1
36 - - - - -	2					2		2						2
35 - - - - -	4	1				5		6						7
34 - - - - -	4	2				6		6	1					7
33 - - - - -	2	1				3		10	1					19
32 - - - - -	6					6		9						4
31 - - - - -	4	1				5		9	1					10
30 - - - - -	9					9		13	1					10
29 - - - - -	11	2				13		10	1					14
28 - - - - -	13	4				17		10	3					11
27 - - - - -	7	5				12		7	1					13
26 - - - - -	13	2				15		4	1					8
25 - - - - -	11	1				12		7	1					5
24 - - - - -	10	1				11		6	3					8
23 - - - - -	10					10		1	2					9
22 - - - - -	14		110	12	34	170		1	9	121	4	21	152	
TOTAL - - - - -	110	21	110	12	34	303		114	22	121	4	21	202	
BERKELEY, CALIF.							INBOUND						OUTBOUND	
TOTAL, 9 AND LESS - - - - -			3	7		10				3	7		10	
BODEGA BAY, CALIF.							NO VESSEL TRIPS REPORTED							
CRESCENT CITY HARBOR, CALIF.							INBOUND						OUTBOUND	
TOTAL, 10 AND LESS - - - - -			43			43				48			48	
HALT MOON BAY, CALIF.							NO VESSEL TRIPS REPORTED							
MONTREY HARBOR, CALIF.							NO VESSEL TRIPS REPORTED							
NAPA RIVER, CALIF.							UPBOUND						DOWNBOUND	
TOTAL, 12 AND LESS - - - - -			19	74		93				16	86		102	
NOYO RIVER, CALIF.							NO VESSEL TRIPS REPORTED							
Petaluma River, CALIF.							UPBOUND						DOWNBOUND	
TOTAL, 8 AND LESS - - - - -			25	66		91				25	50		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.

* EXCLUDES DOMESTIC FISHING CRAFT.

SAN FRANCISCO, CALIF., DISTRICT

TRIPS AND DRAFTS OF VESSELS •

HARBOR OR WATERWAY				DIRECTION			DIRECTION					
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
OTHER SAN FRANCISCO BAY AREA PORTS, CALIF.												
TOTAL, 45 AND LESS - - - - -	8	417	437	1,056	29	1,944	8	397	435	1,874	29	1,943
* EXCLUDES DOMESTIC FISHING CRAFT.												

PACIFIC OCEAN DIVISION

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TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
DRAFT (FEET)										
HILO HARBOR, HAWAII, HAWAII										
34 -				INBOUND					OUTBOUND	
33 -						3				
32 -		1				6				
31 -						5				
30 -						2				
29 -						1	1			
28 -		1				2				
27 -						1				
26 -						2				
25 -						4				
24 -						1				
23 -						2				
22 -		4				9	2			
21 -		3				8				
20 -		3				7				
19 -						3				
18 AND LESS -	82	3	297	224	30	92	3	308	217	29
TOTAL -	129	10	297	236	30	101	16	311	238	29
MAHAIHAE HARBOR, HAWAII, HAWAII										
34 -				INBOUND					OUTBOUND	
33 -						1				
32 -						3				
31 -						1				
30 -		1				1	1			
29 -						1				
28 -	1					1				
27 -		1				1				
26 -						2				
25 -						1				
24 -		1				1				
23 -						1				
22 -	2					1				
21 -	3					3				
20 -	4					4				
19 -	2					2				
18 AND LESS -	1		167	108	6	2		157	105	6
TOTAL -	14	3	167	108	6	17	3	157	105	6
KAHULUI HARBOR, MAUI, HAWAII										
32 -				INBOUND					OUTBOUND	
31 -	1					11				
30 -	2	1				5				
29 -	5					5	1			
28 -	4					2				
27 -	9	1				3	1			
26 -	2					9				
25 -	6	1				9				
24 -	2					8	1			
23 -	2					3				
22 -	5	1				2				
21 -	1					2				
20 -	1			64		1			66	
19 -	2	1		1		4				
18 AND LESS -	68	6	380	293	40	96	1	401	299	37
TOTAL -	129	22	380	361	40	125	15	401	366	37
BARBERS POINT HARBOR, OAHU, HAWAII										
43 -		55		INBOUND					OUTBOUND	
42 -		4					1			
41 -		9								
40 -		1								
39 -		1								
38 -							3			
37 -		4					1			
36 -							1			
35 -							2			
34 -		1								
33 -							5			
32 -							4			
31 -							29			
30 -							3			
29 -							4			
28 -							8			
27 -		1					5			
26 -							4			
25 -		2					4			
24 -							4			
23 -							1			
22 -										
21 -		2								
20 -		3								
19 -										
18 -				1					1	
17 -										
16 -										
15 -			2							
14 -			37					2		
13 -			2					35		
12 AND LESS -	71	1	123		26	71		120		25
TOTAL -	71	60	164	1	26	71	60	158	1	25

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

• EXCLUDES DOMESTIC FISHING CRAFT.

WALLA WALLA, WASH., DISTRICT

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TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
COLUMBIA RIVER AND TRIBUTARIES ABOVE KENNEDY LOCK AND DAM TO KENNEWICK, WASH.				UPBOUND						DOWNBOUND		
14 - - - - -				47	5	52				142	9	151
13 - - - - -				28	0	28				491	2	493
12 - - - - -				1,646	982	2,628	15		3,200	1,894	1,872	3,766
12 AND LESS - - - - -	11		3,116	1,646	982	5,755	15		3,200	1,894	1,872	5,941
TOTAL - - - - -	11		3,116	1,721	995	5,843	15		3,200	1,897	1,879	6,181
SNAKE RIVER, OREG., WASH., AND IDAHO				UPBOUND						DOWNBOUND		
15 - - - - -				9		9				36		36
14 - - - - -				7		7				58	9	67
13 - - - - -				7		7				435	2	437
12 - - - - -				387	120	507			310	349	281	659
11 - - - - -				912	1	913			350	26	11	387
10 - - - - -				847	9	856			848	929	3	1,372
9 - - - - -				110	42	152			159	30	95	254
8 - - - - -				327	119	446			289	48	19	356
7 - - - - -				20	4	24			16	20		36
6 - - - - -				20	5	25			12	15	1	28
5 - - - - -				78	10	88			70	7	10	87
4 - - - - -	7			78	6	84			201	11		212
3 - - - - -	40		224	860		1,124	24		224	32	6	276
2 - - - - -				439	273	712				86	181	267
1 - - - - -				2		2				2		2
TOTAL - - - - -	47		2,525	1,520	602	4,694	24		2,479	1,822	558	4,683

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
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
COLUMBIA RIVER ENTRANCE, OREG. AND WASH.												
44												
43	1					1	1					1
42		1				1		1				1
41						1						1
40	1					1						1
39	9	1				10	10					12
38	9	6				15	9	1				10
37	19	26				41	33	2				35
36	19	27				42	85					85
35	27	43				70	165	1				166
34	150	19				177	317	3				321
33	32	19				91	199	8		1		207
32	47	34				81	109					109
31	50	27				85	126	7				133
30	52	13				65	88					95
29	99	17				116	104	13				117
28	88	6				94	81	10				91
27	109	8				113	89	24				113
26	103	11		13		127	104	19				123
25	119	14				133	108	29				137
24	111	9				120	92	14				66
23	137	4		2		143	93	19				73
22	171	3		1		176	60	10		1		86
21	169	4	39	93	1	202	63	31	39	2		135
20	176	3	10	5		194	32	15	8			55
19	253	6	467	293	15	994	52	62	498			981
18 AND LESS												
TOTAL	1,828	299	517	327	16	2,979	1,817	286	546	363	11	3,023
COLUMBIA RIVER, MOUTH TO INTERNATIONAL BOUNDARY												
39	2	1				3	1	2				3
38	9	1				10	10					12
37	9	6				19	9	1				10
36	19	26				41	33	2				35
35	19	27				42	85					85
34	27	43				70	165	1				166
33	150	19				177	317	3				321
32	32	19				91	199	8		1		207
31	47	34				81	109					109
30	50	27				85	126	7				133
29	52	13				65	88					95
28	99	17				116	104	13				117
27	88	6				94	81	11				92
26	109	7				112	89	23				112
25	103	11	2	13		129	105	22				129
24	119	15				134	108	30		2		138
23	111	11				122	92	14				66
22	137	4		2		143	93	16				70
21	171	3		1		176	69	16		1		87
20	169	4	38	93	1	201	62	31	47	2		142
19	176	3	12	5		196	31	15	20			64
18	183	3	21	1		148	25	21	27			76
17	72	6	6			84	5	6	8			21
16	27	14	1			42	5	7	23			35
15	11	2	37	100		181	9	53	88		1	193
14	4		123	71	4	202	6	1	149		6	212
13	4		3	144	8	159	4	14	10			607
12	2		726	45	304	1,077	1	1	741		363	1,610
11		1	1,283	3	113	1,400			1,379		55	1,573
10	3		2,163	397	457	2,980		4	2,202		901	4,200
9			4,963	767	195	5,925			3,295		653	4,198
8	1		3,499	426	702	4,628		2	3,021		613	4,333
7			4,707	856	27	5,590			3,112		886	3,1
6	8,891		7,172	277	10	16,358	4,580		5,489		269	19,293
5	341		954	112	30	1,437	3,843		3,303		79	7,278
4	4,750		1,962	158	49	6,859	4,750		1,154		894	6,268
3	141		539	1,373	332	2,381	140		3,522		278	4,110
2	23		48	1,787	1,377	3,235	21	1	22		665	1,832
1	4			56		60	3				97	60
TOTAL	16,099	309	27,829	6,529	3,717	54,471	15,222	286	27,568	6,224	3,731	53,631
COLUMBIA AND LOWER WILLAMETTE RIVERS BELOW VANCOUVER, WASH., AND PORTLAND, OREG.												
39	2	1				3	1	2				3
38	9	1				10	10					12
37	9	16				25	9	3				12
36	15	24				39	33	2				35
35	19	26				41	85	1				86
34	27	41				68	166	2				168
33	160	21				189	196	5				202
32	32	23				95	199	10		1		209
31	47	31				78	112	1				113
30	50	26				84	126	6				132
29	52	15				67	87	10				97
28	99	25				124	105	18				123
27	88	6				94	79	20				99
26	107	10				117	89	24				113
25	103	12	2	13		130	104	28				133
24	120	15				135	108	33		1		141

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					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	
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	1		84
20 -	169	7	38	93	1	264	62	29	47	2	146
19 -	176	4	14	9	199	31	9	20			68
18 AND LESS--	5,088	18	32,433	7,697	4,791	50,199	5,137	43	28,132	6,978	4,428
TOTAL--	6,881	343	32,708	7,771	4,792	52,379	6,933	286	28,228	6,976	4,428
SKIPANON CHANNEL, OREG.				UPBOUND					DOWNBOUND		
9 -			16		16			24	1		25
8 -									3		3
7 -			297		297			234	144		378
6 -			97		97			187	13		180
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	16					5
31 -	5				5	5					8
30 -	6				6	8					8
29 -	7				7	8					2
28 -	12				12	2					4
27 -	8				8	4					2
26 -	5				5	2					7
25 -	7	1			8	7					2
24 -	13				13	2					5
23 -	19				19	5					7
22 -	33			2	35	6			1		8
21 -	69				69	8					44
20 -	58		32		90	14		38			67
19 -	33		12		45	97		10			153
18 AND LESS--	68		4,313	261	278	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			19
9 -			7		7				2		2
8 -			4	2	6						216
7 -			238		238			216			153
6 -			159		159			153			3
5 -			7		7			3			2
4 -				2	2						4
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				INBOUND					OUTBOUND		
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
36 -					3	8		1			8
35 -					6	24					24
34 -		2			4	62					62
33 -		1			6	91					91
32 -					4	99	1				68
31 -	13	3			16	27					27
30 -	11				11	31					31
* EXCLUDES DOMESTIC FISHING CRAFT.											

* 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			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
PORT OF LONGVIEW, WASH.--(CONTINUED)												
20 -	11	2				13	11					11
20 -	10	1				19	20					20
27 -	10					10	13	1				14
26 -	22					22	13	1				14
25 -	15	1	2			18	15	2				17
24 -	19	1				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 -	10					10						
16 -	2					2						
15 -	2					2						
14 -	1			8		10			1			1
13 -	1			2		4						1
12 AND LESS--	15			94		99	9	1	5,494	1,817	456	7,107
TOTAL--	379	13	5,497	1,346	463	7,710	391	20	5,495	1,817	456	7,589
PORT OF KALAMA, WASH.												
37 -							1					1
36 -							5					5
34 -	1					1	11					11
33 -							5					5
32 -		1				1	3					3
31 -							1	1				2
30 -												
29 -		1				1						
28 -	2					2	2					2
26 -		2				2		1				1
25 -	2					3						
24 -	1					4		1				1
23 -	1	2				3						
21 -	2					2						
20 -	2					2						
19 -	1					1						
18 AND LESS--	2			763	244	50	1	1	782	847	52	1,083
TOTAL--	14	10	763	244	50	1,089	29	4	782	847	52	1,114
PORT OF ST. HELENS, OREG.												
14 -			1			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.												
15 -									2			2
12 -									24			24
11 -									1			1
10 -									49			49
9 -				43	21	905						
8 -				124	232	350			123	85		208
7 -				363	93	42			350	42	1	401
6 -				151	24	175			145	30		195
5 -				85	3	620			686	5		689
4 -	86			1,400	2	1,494	94		997	3		1,094
3 -				230	55	240			456	2		458
2 -				0	1	64			256	136		394
1 -	6			162		160	6			191	385	582
TOTAL--	92		2,093	532	540	4,165	100		2,073	951	480	4,213
OREGON SLOUGH (NORTH PORTLAND HARBOR), OREG.												
20 -	131					131	131		2			133
18 -												
17 -												
15 -									1			1
13 -												
11 -												
10 -												
9 -				40		40			40			40
8 -				113	111	19			80	17		109
7 -				93	24	10			73			94
6 -				250	42	11			279	0	4	283
5 -				32	6	0			22	4		26
4 -				19	20	9			39	29	3	74
3 -				41	7	5			20	36	6	70
2 -				22	15	4				10	32	47
1 -	122			27	1	150	122		39	187	51	380
TOTAL--	253		631	294	75	1,251	253		627	272	74	1,226
PORT OF VANCOUVER, WASH.												
24 -	19	2				21	4					4
23 -	3	1				4	5					9
22 -	3					3	4					4

* EXCLUDES DOMESTIC FISHING CRAFT.

PORTLAND, OREG., DISTRICT

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TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
PORT OF VANCOUVER, WASH.--(CONTINUED)												
31	1					1	3					3
30	2					2	3					3
29	4					4	5					5
28	14	1				15	13					13
27	8					8	7	1				8
26	9					9	10					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	398	964	4,331	21		3,142	895	535	4,093
TOTAL	179	9	3,348	398	964	4,490	174	0	3,152	395	535	4,264
COLUMBIA RIVER BETWEEN VANCOUVER, WASH., AND THE DALLES, OREG.												
15	130					130	130	1				214
14			2	47	5	54			22	83	5	107
13				20	8	28				975	2	577
12				174	10	184			218	498	331	1,087
11				410	2	412			453	27	47	527
10				621	129	750			703	717	159	1,579
9				714	276	990			770	473	159	1,402
8				893	66	959			886	930	103	1,927
7				1,098	164	1,262			787	381		1,088
6 AND LESS	432			3,019	249	6,460	427		2,910	315	669	4,321
TOTAL	562		6,936	3,482	1,358	12,338	597	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.												
15				47	5	52				83		83
14				20	8	28				77	5	82
13				15	273	288			264	940	2	556
12				226	1	227			313	453	336	1,047
11				351	1	352			313	27	47	387
10				498	24	522			541	970	12	1,132
9				110	114	224			132	91	143	366
8				324	4	328			357	83	33	473
7				64	9	73			54	54		108
6				32	4	36			30	22	8	60
5				35	96	131			29	9	24	58
4	2			79	72	151			71	15		86
3	6			241	1	247	11		230	34	6	281
2				1	592	593			73	310		383
TOTAL	8		1,998	2,029	938	4,913	11		2,817	2,140	928	5,896
PORT OF PORTLAND, OREG.												
39		1				1	1	2				3
38							7					7
37	3	15				18	4	2				6
36	6	24				30	21					21
35	2	26				28	44	1				45
34	10	30				40	60	2				70
33	24	19				43	69	3				75
32	22	22				44	70	9		1		79
31	28	28				56	74	1				75
30	20	20				40	63	6				89
29	37	26				63	63	11				74
28	38	10				48	60	21				81
27	53	11				64	60	28				75
26	54	9				63	57	23				80
25	78	6				84	66	27				93
24	63	8		13		76	60	31				100
23	60	10				70	27	12				39
22	154	11				165	74	33				52
21	69	5		1	1	75	46	13	1	1		61
20	99	4		9	10	107	20	29	11	2		66
19	51	4		9	1	65	18	9	5			32
18 AND LESS	120	6	14,930	4,974	4,410	24,095	69	42	14,908	5,115	4,373	24,107
TOTAL	996	205	14,949	9,005	4,420	29,295	1,032	281	14,925	5,119	4,373	29,330
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.												
14	11	1		41		52	10	1				11
13				132		132				410		410
12				9		9			11			11
11				216	442	658			253	1,393	72	1,718
10				232	933	1,165			211	353		564
9				1,001	643	1,644			1,109	397	23	1,529
8				343	879	1,222			360	510		870
7				44	33	77			80	63		143
6				432	71	503			703	414		1,117
5				2,035	93	2,128			1,074	449		2,323
4												

* 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
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
WILLAMETTE RIVER ABOVE PORTLAND AND YAMHILL RIVER, OREG.--(CONTINUED)												
3 - - - - -				63	1,135	1,218				28	DOWNBOUND	753
2 - - - - -				79	1,094	1,174				111	442	203
1 - - - - -					49	49					794	177
TOTAL - - - - -	11		4,775	5,561	903	10,850	10		4,741	5,225	555	10,531
COOS BAY, OREG.												
36 - - - - -	1					1	6				OUTBOUND	6
35 - - - - -	3					3	8					8
34 - - - - -	3					3	11					11
33 - - - - -	9					10	14					14
32 - - - - -	10	1				14	39	1				60
31 - - - - -	9	5				14	85	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 - - - - -	20	2				22	6	3				9
23 - - - - -	20	1				21	1	1				2
22 - - - - -	22					22	3	2				5
21 - - - - -	11			1		12		1				1
20 - - - - -	19					19		1				1
19 - - - - -	13					13	2	1				3
18 - - - - -	10					10	1	1			1	3
17 - - - - -	6		1			7			3	1		3
16 - - - - -			31			32			28			29
15 - - - - -	2		19			21	1		17			18
14 - - - - -			114	6	4	126	2		115	6		123
13 - - - - -			7	1		8			6	3		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	14	3,415
COOS AND HILLCOMA RIVERS, OREG.												
6 - - - - -			110			110			90			90
5 - - - - -			809			809			901			901
4 - - - - -			213			213			94			94
3 - - - - -			6			6			6			6
TOTAL - - - - -			1,138			1,138			1,091			1,091
UNBOWA RIVER, OREG.												
19 - - - - -			2			2			2			2
14 - - - - -			225			225			205			205
12 - - - - -				3		3				8	1	9
11 - - - - -			2			2			2			2
10 - - - - -			23	121		144			19	5		24
9 - - - - -			22	1		23			26	15		41
8 - - - - -			1			1			1	108		109
7 - - - - -										143		143
6 AND LESS - - - - -			311	300	1	612			334	146		480
TOTAL - - - - -			566	425	1	1,012			509	425	1	1,015
ALSEA BAY AND RIVER, OREG.				NO VESSEL TRIPS REPORTED								
CHETCO RIVER, OREG.												
TOTAL, 12 AND LESS - - - - -			29	27		56			34	DOWNBOUND	26	60
CHINOOK CHANNEL, WASH.				NO VESSEL TRIPS REPORTED								
CLATSkanie RIVER, OREG.												
TOTAL, 6 AND LESS - - - - -			44	2		46			34	DOWNBOUND	2	36
COLUMBIA RIVER AT BAKERS BAY, WASH.												
TOTAL, 7 AND LESS - - - - -			4			4			2	DOWNBOUND		2
COLUMBIA SLOUGH, OREG.				NO VESSEL TRIPS REPORTED								
COQUILLE RIVER, OREG.												
TOTAL, 12 AND LESS - - - - -			9	3	1	13			13	DOWNBOUND	3	17
COMLITZ RIVER, WASH.												
TOTAL, 10 AND LESS - - - - -			43	52	1	96			49	DOWNBOUND	50	100
DEPOE BAY, OREG.				NO VESSEL TRIPS REPORTED								

• EXCLUDES DOMESTIC FISHING CRAFT.

* EXCLUDES DOMESTIC FISHING CRAFT.

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HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
BLONKWIN SLOUGH, WASH. TOTAL, 6 AND LESS - - - - -			42	UPBOUND	42			42	DOWNBOUND		42	
GRAYS RIVER, WASH.			NO VESSEL TRIPS REPORTED									
LAKE RIVER, WASH. TOTAL, 8 AND LESS - - - - -	324		6	UPBOUND	337	325		6	DOWNBOUND		336	
LEWIS RIVER, WASH. TOTAL, 7 AND LESS - - - - -			120	UPBOUND	102	2		124	DOWNBOUND		100	
PORT ORFORD, OREG.			NO VESSEL TRIPS REPORTED									
ROGUE RIVER, OREG. TOTAL, 9 AND LESS - - - - -	816		1	UPBOUND	816	814		1	DOWNBOUND		816	
SINGLAM RIVER, OREG. TOTAL, 12 AND LESS - - - - -			205	UPBOUND	300			201	DOWNBOUND		206	
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			116	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	
VAGUINA BAY AND HARBOR, OREG. TOTAL, 20 AND LESS - - - - -	4		34	UPBOUND	66			39	DOWNBOUND		60	
VAGUINA RIVER, OREG. TOTAL, 12 AND LESS - - - - -			103	UPBOUND	199			141	DOWNBOUND		195	

* EXCLUDES DOMESTIC FISHING CRAFT.

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
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
DRAFT (FEET)												
GRAYS HARBOR AND CHEHALIS RIVER, WASH.												
34 -	2					2	73					73
33 -	1					1	31					31
32 -	1					1	42					42
31 -	2					2	11					11
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				13						
24 -	8					8	3					3
23 -	13					13	4					4
22 -	21					21	6					6
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 -			4			4			2			2
13 -				1		1				2		2
12 AND LESS -	660		2,095	463		3,218	699		2,067	456		3,182
TOTAL -	886	1	2,099	464		3,450	882	1	2,069	458		3,410
MEAH BAY, WASH.												
15 -			1			1			1			1
14 -			13			13			15			15
13 -									2			2
12 -			1	44		45			1			1
11 -			67		1	68			71			71
10 -	2		30			32			28			28
9 -	1		12		1	14			2			2
8 -											1	1
7 -					5	5		2		44	6	52
6 AND LESS -												
TOTAL -	3		124	44	7	178	2	120	44	7		173
PORT ANGELES HARBOR, WASH.												
37 -	6	21				27	7	11				18
36 -	3	2				5	8	2				10
35 -	6					6	7					7
34 -	2					2	25					25
33 -	3	1				4	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					4
27 -	2	1				3	2					2
26 -	5					5	2					2
25 -	2					2	1	1				2
24 -	2					2	2	2				4
23 -	3	1				3	3				2	5
22 -	7					7	2				2	5
21 -	4	1				5	3	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.												
21 -												
19 -			5			5			6			1
14 -			3			3			8			6
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.												
11 -			3		2	5			5			25
10 -			158	3		161			182	17	3	258
9 -			29	21	2	52			66	22		88
8 -			139	140		279			144	34		178
7 -			17			17			7			7
6 AND LESS -			20	9		29			18	19	2	39
TOTAL -			416	173	4	593			422	168	5	595

• EXCLUDES DOMESTIC FISHING CRAFT.

* EXCLUDES DOMESTIC FISHING CRAFT.

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DAY	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	
WASH.												
	1					1	21					21
	1					1	1					1
	2					2	2					2
	1					1	3					3
	2					2	1					1
	3					3	2					2
	6					6	2					2
	7		778	19	80	884	3		782	19	79	879
	35		778	19	80	912	34		782	19	79	911
ASH.												
	15	9				24	144	3				147
	1					1	34					35
	7	2				9	24	2				26
	8	4				12	44	1				45
	8	17				25	25					25
	16	3				21	33	3				36
	29	5				34	27	1				26
	123	2				125	155	2				157
	57					57	46	3				46
	58	5				63	67	6				73
	99	5				104	66	4				70
	88	2				90	58	5				63
	55	4				59	51	7				56
	46	1			3	70	32	3			2	37
	70	1			1	72	29	5			2	34
	81	3		1	1	86	30	3			1	34
	46	1		1	1	49	21	3			2	26
	57	1	4	8	5	75	13	1	1	18	13	46
	16	4	6	2	7	35	14	1	3		4	27
	6,748	1	4	8	42	6,803	6,749	1	5	11	32	6,798
	6		41	6	32	85	3		51	2	19	75
	3	1	215	11	40	266	2		211	15	92	326
	90	5	546	7	24	581	6	10	541	2	20	587
	7,749	76	8,477	1,017	800	10,389	101	4	8,412	866	744	10,181
						19,135	7,774	76	9,224	914	931	10,911
WASH.												
	18	17				35	37	1				38
	9	6				15	17	2				17
	14	10				24	37	3				40
	16	3				19	40	4				44
	56	14				70	53	1				54

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
	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 SNOWHISH RIVER, WASH.--(CONTINUED)				INBOUND						OUTBOUND		
19 - - - - -	21					21						
18 AND LESS- - - - -	906	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
SNOWHISH CHANNEL, WASH.				NORTHBOUND						SOUTHBOUND		
15 - - - - -									8			8
14 - - - - -			1			1			1			1
13 - - - - -			3			3			7			7
12 - - - - -			14			14			10			10
11 - - - - -			174			104			70	1		71
10 - - - - -			141	6		147			136	14		150
9 - - - - -			5	1		6			8	1		9
8 - - - - -			7	2		9			7	4		11
7 - - - - -			1			1			1			1
6 AND LESS- - - - -			775	219		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	8	2	4			2	8
22 - - - - -	2	5			3	10		2			1	3
21 - - - - -		7				7		1				1
20 - - - - -	2	21	2		2	27		2			3	12
19 - - - - -		3		1	3	7		1			2	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 - - - - -							9	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	3,976	174	22	2,841	720	105	3,862
BLAINE HARBOR, WASH.				INBOUND						OUTBOUND		
TOTAL, 13 AND LESS - - - - -			6	3		9			10	3		13
COLUMBIA RIVER BETWEEN WENATCHEE AND KETTLER 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								
MOQUIAM RIVER, WASH.				UPBOUND						DOWNBOUND		
TOTAL, 23 AND LESS - - - - -		2	2,197	6		2,195		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.												

* EXCLUDES DOMESTIC FISHING CRAFT.

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HARBOR OR WATERWAY	DIRECTION					DIRECTION								
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL		
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	
WATERWAY CONNECTING PORT TOWNSEND BAY AND OAK BAY, WASH. TOTAL, 14 AND LESS - - - - -				179	NORTHBOUND 84	2	269				689	SOUTHBOUND 41	2	732
HILLAPA 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, 8 AND LESS - - - - -				757	UPBOUND		757				768	DOWNBOUND		768
OTHER PURELY SOUND AREA PORTS, WASH. TOTAL, 91 AND LESS - - - - -	121,201	181	4,976	2,633	INBOUND	807	129,000	121,050	173	4,839	2,960	OUTBOUND	726	129,768

* 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	
METLAKATLA HARBOR, ALASKA				INBOUND						OUTBOUND		
23	4					4	18					18
22	1					1	2					2
21	2					2						
20	3					3						3
19	4					4	1					1
18												
17	1			18		14			3	17		20
16			1	22		39	1		15	21		37
15			29	7		36			39	4		39
14					20	20	1		4	2	9	16
13						20			2	47	8	57
12	2			18		33	1		46	48	3	98
11	4			1	2	33	5		109		1	111
10	1		26			473	368		67			435
9	367		101	2	2	5	1			1	1	3
8	1		106			34						
7					4	4						
6				26		27				1	2	3
5				29	1	26	1			3	1	5
4												
3												
2												
TOTAL	392		280	147	29	848	482		277	145	27	851
KETCHIKAN HARBOR, ALASKA				INBOUND						OUTBOUND		
30	7	3				10	13					13
29	2	2				4	5					5
28	13					13	19					19
27	19					19	10					11
26	17					18	32					33
25	9	1				9	6					7
24	15				2	17	13					13
23					6	6						
22	11				9	14	6		2			7
21	10					10	4					4
20	10		11			21	9		1	9		19
19	13		3		1	17	8		7			15
18	31			2		46	20					32
17	13		4	4		21	17		1	11	1	20
16	193	1	4	2		200	194			2		196
15	130	1	28	112		271	128			17	116	261
14	3		134	99		192	103			92	7	195
13	6	1	81	9	1	94	1			63	1	72
12 AND LESS	12,988	1	341	437	99	13,466	12,765	2	413	392	129	13,701
TOTAL	13,083	13	619	617	114	14,446	13,247	17	620	967	131	14,582
WRANGELL HARBOR, ALASKA				INBOUND						OUTBOUND		
27	4		1			5	8					8
26							1					1
25	2					2	2					2
24							2					2
23	2					2						
22	2					2	2					2
21	4					4						
20	9					9	2					2
19	9					9	4					4
18	17					17	16					16
17							1					1
16	216		1			219	166		1			167
15	16		7	47		70	38		13	92		103
14			38	37		67			58	21		79
13			32	1		33			18	2		20
12 AND LESS	49		99	137	49	326	71		64	153	41	329
TOTAL	324		166	222	49	757	313		194	228	41	736
WRANGELL NARROWS, ALASKA				UPBOUND						DOWNBOUND		
27		1				1						1
26								1				
25		1				1						
24												
23												
22												
21												
20	88					88	88					88
19		4				4			1			1
18		1				1						
17												
16	224		4	1		229	223		40	1		228
15	49		42	197		239	39		1	189		189
14			116	48	1	165		2	106	28		136
13			94	9	6	65	2	1	33	7	2	45
12 AND LESS	64		314	181	214	773	94	1	196	120	137	478
TOTAL	416	7	938	392	221	1,566	376	8	379	265	139	1,167
SITKA HARBOR, ALASKA				INBOUND						OUTBOUND		
27	23					23	31					31
26	18					18	10					10
25	9					9	11					11
24	11					11	12					12
23												
22	13					13	13					13
21	8					8	7					7
20	8					8	5					5
19												
18	21					21	16					16

• EXCLUDES DOMESTIC FISHING CRAFT.

* EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
SITKA HARBOR, ALASKA--(CONTINUED)												
				INBOUND						OUTBOUND		
17	3		1	1		5	3		1	1		5
16	133		3			136	132		4			137
15	38		44	79		161	35		33	109		143
14			74	28	1	103			63	22		85
13			95	1	6	102			92	1	2	95
12 AND LESS	14		281	131	99	525	10		269	102	100	466
TOTAL	292		498	240	106	1,136	285		463	251	107	1,196
SERGIUS AND WHITESTONE HARBORS, ALASKA												
				NORTHBOUND						SOUTHBOUND		
16	133		3			136	132		1			133
15	36		48	102		186	35		19	78		132
14			55	22	1	78			78	37		115
13			69	1	1	70			68	1	4	73
12			30	5	44	79			26	1	31	127
11			25	7		41			21	17	3	41
10			37			42			46		13	59
9	1		8		7	16	4		4	2	4	14
8	2		81	3	0	84			97	2	3	102
7				2	7	9	1			3	2	6
6	2				7	9	1			1	1	3
5					2	2					1	1
4					1	1						
3				68	24	92				14	6	20
2				3	2	5				2	2	4
TOTAL	174		392	213	121	800	173		392	227	70	822
SKAGWAY HARBOR, ALASKA												
				INBOUND						OUTBOUND		
31												1
27	17					17	14					14
26	5					5	8					8
25	78	4			7	84	10					10
24	12					12	13					13
23							1					1
22	17			9		26	18			8		26
21				4		4				4		4
20	119			4		123	68			3		91
19	1	2				11				9		9
18	25	1	20		1	47	94		21	1		46
17	14		7		2	23	13		6		1	20
16	230	1				231	231					231
15	1		3	1	1	6	1	3	2	1	1	6
14	2		2		8	12	2		1		9	8
13	1		1	2	1	5			1		1	2
12 AND LESS	7		12	3	6	28	100	4	11	4	17	136
TOTAL	524	8	49	31	26	634	594	7	42	38	25	626
VALDEZ HARBOR, ALASKA												
				INBOUND						OUTBOUND		
75									3			3
74									7			7
73									7			7
72									22			22
71									15			15
70									15			15
69									5			5
68									16			16
67									8			8
66									12			12
65									7			7
64									2			2
63									4			4
61									8			8
60									34			34
59									30			30
58		2				2			50			50
57		1				1			51			51
56									15			15
55		1				1			16			16
54									22			22
53									40			40
52									55			55
51		1				1			50			50
50									14			14
49									12			12
48									1			1
46									1			1
45		3				3			43			43
44									59			59
43		6				6			30			36
42		8				8			40			48
41		14				14			43			43
40		29				29			25			25
39		21				21			4			4
38		14				14			7			7
37		16				16			4			4
36		37			1	37			6			4
35									7			7
34		50				50			1			1

* EXCLUDES DOMESTIC FISHING CRAFT.

* EXCLUDES DOMESTIC FISHING CRAFT.

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

ALASKA DISTRICT

TRIPS AND DRAFTS OF VESSELS *

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
VALDEZ HARBOR, ALASKA--(CONTINUED)												
				INBOUND						OUTBOUND		
33			42									3
32			80									4
31			92									
30			62									4
29			31									
28		4	62									4
27			31				3	1				2
26			29				1	1				1
25			21									
24			10									
23			87			3					1	1
22			72			3					1	1
21			2			1						
20			17	6					4	8		12
19			2	1	1	2		49	1			46
18			3	7		1		6	11			17
17			2			3		1				1
16			4		1			1				1
15		35	5	2	2		35			2		37
14			15	8						1		7
13		119	15	10	1		119		6			133
12 AND LESS			2	7	8				14	11	13	29
TOTAL		198	871	41	15	22	1,107	198	885	45	15	1,118
ANCHORAGE, ALASKA												
				INBOUND						OUTBOUND		
33			8						1			1
34			2						1			1
33		1	5						1			2
32		1	1				1					1
31		1	1									
30		2					2					2
29		20	1				20					3
28		127					127	93	1			94
27		22	2				24	7	1			6
26		9	1				10	9	1			10
25		12					12	22	2			24
24		4	1				5	24	2			26
23		3	1				4	10	1			19
22		2					2	19	3			22
21		1					1	3	2			5
20								3	1		1	6
19		3					3	1	1			2
18		6					6	19	1			20
17		12			1		13	3				3
16		7		3	2		12	11		1		12
15		2		9	7		18	9		5		21
14		9		4	2		19	4				9
13		1		23			24		15			15
12 AND LESS		1		46	19	7	73	4	47	22	4	77
TOTAL		254	23	85	31	7	400	256	19	74	29	383
KODIAK HARBOR, ALASKA												
				INBOUND						OUTBOUND		
30		13	1				14	13				13
29		1					1	3				3
28		9					9	13				13
27		4	1				5	3				3
26		6					6	3				3
25		20					20	9				9
24		26					26	21				21
23		8					8	15	1			16
22		3					3	3				3
21		2					2	3				3
20		1	1				2	2				1
19		2	12				14	2	1			2
18		1	2				3	2				2
17		9					9	3				4
16		14	3	4			21	18	9	2		25
15		72	2	2			76	70	8		1	87
14		1		13	31		46	3		9		20
13				8	2		10	3	1	28		29
12		1		9		1	7			9		9
11		1		4			5					
10		2		22		2	27	2		28		30
9		2			1		3			2		2
8		1			32		33	1		37		38
7		1			2		3	1				1
6								1				1
5						1	1	2			4	8
TOTAL		192	23	98	78	4	347	192	28	80	57	353
ILIALUK HARBOR, ALASKA												
				INBOUND						OUTBOUND		
30		19	9				20	16				16
29		1					1					
28		3					3	3				4
27									1			1
26									2			2
25			1				1					

* EXCLUDES DOMESTIC FISHING CRAFT.

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HARBOR OR WATERWAY	DIRECTION					DIRECTION						
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
ILITLUK HARBOR, ALASKA--(CONTINUED)					INBOUND						OUTBOUND	
24 - - - - -					1	1					2	2
23 - - - - -					2	2					1	1
22 - - - - -	2				2	2	3				1	4
21 - - - - -	9			1	10	9			1		1	11
20 - - - - -	7			2	9	6					1	7
19 - - - - -	5	1			6	4		2			2	8
18 - - - - -	10			7	25	20		5	6			29
17 - - - - -	30				32	32					1	33
16 - - - - -	36			19	55	36	1	34			1	72
15 - - - - -	40			15	109	38		14		29		81
14 - - - - -	40	2		29	80	59		20		2		91
13 - - - - -	40	1		6	58	39		8		14		63
12 AND LESS - - - - -	102			10	21	20	161	6		14	19	184
TOTAL - - - - -	364	10		89	70	26	559	366	10	99	99	561
BETHEL HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 15 AND LESS - - - - -	28	26		165	144	29	303	13	26	161	146	373
CORBOVA HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 16 AND LESS - - - - -	131	10		8	8		157	131	9	10	8	158
CRAIG HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 13 AND LESS - - - - -	31			25	14	12	82	29		24	13	78
BILLINGHAM HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 14 AND LESS - - - - -	12			20	25	1	66	9		29	25	68
DOUGLAS HARBOR, ALASKA					NO VESSEL TRIPS REPORTED							
DRY PASS, ALASKA					NO VESSEL TRIPS REPORTED							
ESSEK RIVER, ALASKA					INBOUND						OUTBOUND	
TOTAL, 15 AND LESS - - - - -	1			4	4		9	1		4	5	10
ELFIN COVE HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 16 AND LESS - - - - -				5		3	6			3	3	6
HOMER, ALASKA					INBOUND						OUTBOUND	
TOTAL, 23 AND LESS - - - - -	117	17		10			144	116	16	10		142
MOONAH HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 16 AND LESS - - - - -	86			33	17	20	162	83		44	17	172
JUNEAU HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 26 AND LESS - - - - -	484	16		146	151	21	816	482	11	145	140	794
KAKE HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 16 AND LESS - - - - -	36			20	15	11	90	37		22	15	85
KING COVE, ALASKA					INBOUND						OUTBOUND	
TOTAL, 17 AND LESS - - - - -	60	12		13	11	1	105	70	10	11	20	111
NAKNEK RIVER, ALASKA					INBOUND						OUTBOUND	
TOTAL, 13 AND LESS - - - - -	10	1		32	30	6	79	10	1	24	45	85
NINILCHIK HARBOR, ALASKA					NO VESSEL TRIPS REPORTED							
NOME HARBOR, ALASKA					INBOUND						OUTBOUND	
TOTAL, 15 AND LESS - - - - -	7	2		198	27	137	371	9	2			

• EXCLUDES DOMESTIC FISHING CRAFT.

TRIPS AND DRAFTS OF VESSELS •

HARBOR OR WATERWAY				DIRECTION			DIRECTION					
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
SELKOWIA HARBOR, ALASKA TOTAL, 39 AND LESS - - - - -	68	6	19	INBOUND 5	1	94	63	9	21	OUTBOUND 5	1	95
SEWARD HARBOR, ALASKA TOTAL, 33 AND LESS - - - - -	116	13	31	INBOUND 2		162	119	9	13	OUTBOUND 3		140
STIKINE RIVER, ALASKA TOTAL, 4 AND LESS - - - - -	7		24	INBOUND 36		67	7		24	OUTBOUND 36		67
OTHER SOUTHEASTERN ALASKA PORTS TOTAL, 33 AND LESS - - - - -	12,642	8	679	INBOUND 276	296	14,061	12,633	6	726	OUTBOUND 285	239	13,663
SOUTHERLY SIDE OF ALASKA PENINSULA TOTAL, 41 AND LESS - - - - -	618	105	178	INBOUND 37	10	1,020	606	105	147	OUTBOUND 98	25	1,053
WHITTIER HARBOR, ALASKA TOTAL, 23 AND LESS - - - - -	114	3	42	INBOUND 516	6	683	114	3	48	OUTBOUND 516	6	687

* EXCLUDES DOMESTIC FISHING CRAFT.

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