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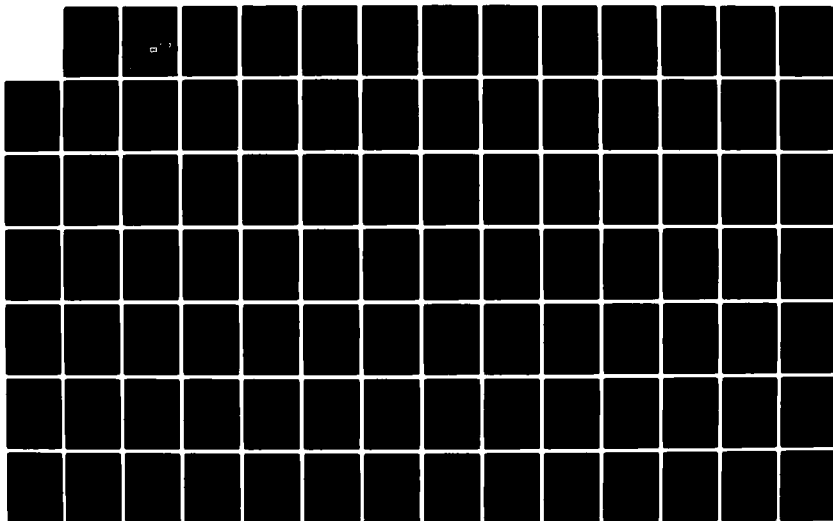
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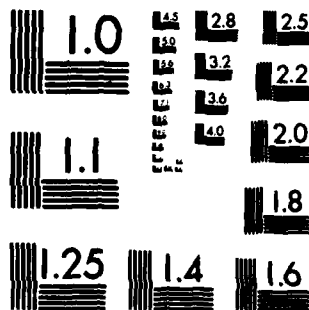
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WATERBORNE COMMERCE
OF THE UNITED STATES

CALENDAR YEAR 1980

PART 3
WATERWAYS AND HARBORS
GREAT LAKES



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WATERBORNE COMMERCE OF THE UNITED STATES

CALENDAR YEAR 1980

PART 3
WATERWAYS AND HARBORS
GREAT LAKES

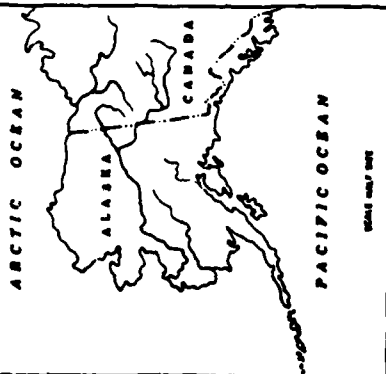
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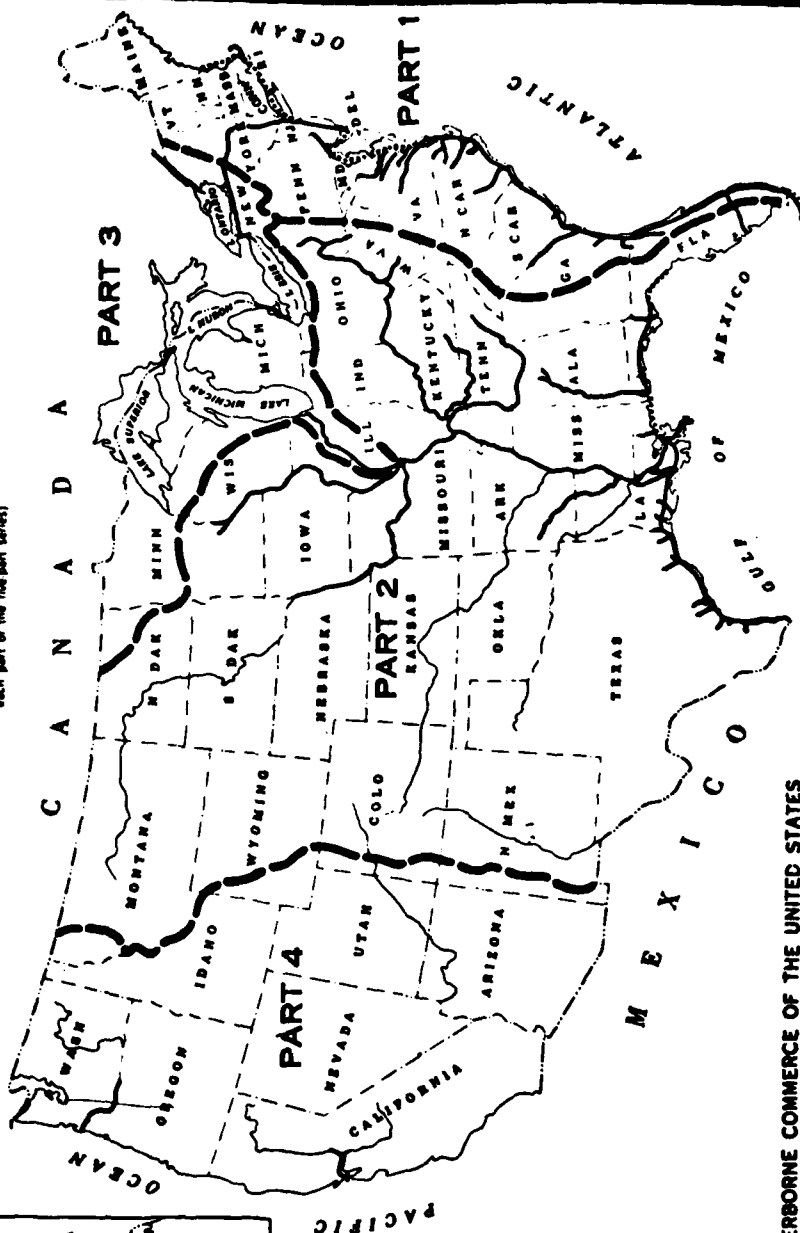
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PART 4



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)

PART 4

PACIFIC OCEAN

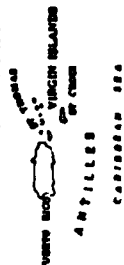


WATERBORNE COMMERCE OF THE UNITED STATES

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

PART 2

ATLANTIC OCEAN



PART 5

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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 cooperation of all Federal agencies engaged in collecting and compiling data on shipping. This classification, the Commodity Classification for Domestic Waterborne Commerce, is used for data on the foreign and domestic commerce presented in these publications, although some minor modifications exist in the foreign data which were necessitated by Bureau of the Census policies and procedures.

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

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

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

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

The 1980 statistics on waterborne exports of domestic and foreign merchandise and non-Department of Defense shipments of Special Category commodities reflect fully compiled data for shipments to Canada individually valued at \$2,000 and over combined with estimated data for shipments valued \$251-\$1,999, based on a 10-percent sample of such shipments. For countries other than Canada, the export statistics reflect fully compiled data for shipments valued \$1,000 and over combined with estimated data for shipments valued \$251-\$999, based on a 50-percent sample of such shipments. Data on export shipments valued under \$251 are excluded from this report.

Import statistics for 1980 exclude data on shipments valued \$250 and under reported on both formal and informal entries. Informal entries generally contain items valued not more than \$250.

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

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

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

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

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

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

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

Passenger arrivals and departures on the various waterways and channels and at ports include passengers engaged in foreign travel. While the Immigration and Naturalization Service, Department of Justice, no longer provides foreign passenger data to the Waterborne Commerce Statistics Center, foreign passengers traveling between Canada and the United States in the Great Lakes and Alaska areas are reported to the Corps of Engineers from other sources available to the Corps. In addition, the New England Division has been able to obtain foreign passenger data for calendar year 1980 in Bar Harbor, Lubec, Eastport and Portland Harbor.

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

SECTION 1 of this publication presents comparative statements of commerce for preceding years and the detailed freight traffic for calendar year 1980 of harbors and waterways in the area covered by this Part of the statistics series. SECTION 2 presents data on the movements of vessels at the harbors and on the waterways included in the first section.

TERMS FOR KIND OF TRAFFIC

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

Pertaining to Ports

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

Coastwise receipts and shipments.-These terms apply to domestic traffic receiving a carriage over the ocean, or the Gulf of Mexico, e.g. New Orleans to Baltimore, New York to Puerto Rico, San Francisco to Hawaii, or Puerto Rico to Hawaii. Traffic between Great Lakes ports and seacoast ports, when having a carriage over the ocean, is also termed "coastwise." The Chesapeake Bay and Puget Sound are internal bodies of water; therefore, traffic confined to these areas is "internal" rather than "coastwise."

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

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

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

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

COMMODITY CLASSIFICATION FOR DOMESTIC WATERBORNE COMMERCE

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

Code No.	Item Name	Code No.	Item Name
Group 01-Farm Products		Group 21-Tobacco Products	
0101	Cotton, raw	2111	Tobacco manufactures
0102	Barley and rye	Group 22-Basic Textiles	
0103	Corn		
0104	Oats	2211	Basic textile products, except textile fibers
0105	Rice	2212	Textile fibers not elsewhere classified
0106	Sorghum Grains	Group 23-Apparel and Other Finished Textile Products Including Knit	
0107	Wheat		
0111	Soybeans	2311	Apparel and other finished textile products, including knit
0112	Flaxseed	Group 24-Lumber and Wood Products Except Furniture	
0119	Oilseeds, not elsewhere classified		
0121	Tobacco, leaf	2411	Logs
0122	Hay and fodder	2412	Rafted logs
0129	Field crops, not elsewhere classified	2413	Fuel wood, charcoal, and wastes
0131	Fresh fruits, including imported bananas and plantains	2414	Timber, posts, poles, piling, and other wood in the rough
0132	Bananas and plantains	2415	Pulpwood, log
0133	Coffee, green and roasted (including instant)	2416	Wood chips, staves, moldings, and excelsior
0134	Cocoa beans	2421	Lumber
0141	Fresh and frozen vegetables	2431	Veneer, plywood, and other worked wood
0151	Live animals (livestock) except zoo animals, cats, dogs, etc.	2491	Wood manufactures, not elsewhere classified
0161	Animals and animal products, not elsewhere classified	Group 25-Furniture and Fixtures	
0191	Miscellaneous farm products		
Group 08-Forest Products		2511	Furniture and fixtures
0841	Crude rubber and allied gums	Group 26-Pulp, Paper and Allied Products	
0861	Forest products, not elsewhere classified		
Group 09-Fresh Fish and Other Marine Products		2611	Pulp
0911	Fresh fish, except shellfish	2621	Standard newsprint paper
0912	Shellfish, except prepared or preserved	2631	Paper and paperboard
0913	Menhaden	2691	Pulp, paper and paperboard products, not elsewhere classified
0931	Marine shells, unmanufactured	Group 27-Printed Matter	
Group 10-Metallic Ores			
1011	Iron ore and concentrates	2711	Printed matter
1021	Copper ore and concentrates	Group 28-Chemicals and Allied Products	
1051	Bauxite and other aluminum ores and concentrates		
1061	Manganese ores and concentrates	2810	Sodium hydroxide (caustic soda)
1091	Nonferrous metal ores and concentrates, not elsewhere classified	2811	Crude products from coal tar, petroleum, and natural gas, except benzene and toluene
Group 11-Coal		2812	Dyes, organic pigment, dyeing and tanning materials
1121	Coal and lignite	2813	Alcohols
Group 13-Crude Petroleum		2816	Radioactive and associated materials, including wastes
1311	Crude petroleum	2817	Benzene and toluene, crude and commercially pure
Group 14-Nonmetallic Minerals, Except Fuels		2818	Sulphuric acid
1411	Limestone flux and calcareous stone	2819	Basic chemicals and basic chemical products, not elsewhere classified
1412	Building stone, unworked	2821	Plastic materials, regenerated cellulose and synthetic resins, including film, sheeting, and laminates
1442	Sand, gravel and crushed rock	2822	Synthetic rubber
1451	Clay, ceramic and refractory materials	2823	Synthetic (man-made) fiber
1471	Phosphate rock	2831	Drugs (biological products, medicinal chemicals, botanical products and pharmaceutical preparations)
1479	Natural fertilizer materials, not elsewhere classified	2841	Soap, detergents, and cleaning preparations; perfumes, cosmetics, and other toilet preparations
1491	Salt	2851	Paints, varnishes, lacquers, enamels, and allied products
1492	Sulphur, dry	2861	Gum and wood chemicals
1493	Sulphur, liquid	2871	Nitrogenous chemical fertilizers, except mixtures
1494	Gypsum, crude and plasters	2872	Potassic chemical fertilizers, except mixtures
1499	Nonmetallic minerals, except fuels, not elsewhere classified	2873	Phosphoric chemical fertilizers, except mixtures
Group 19-Ordnance and Accessories		2876	Insecticides, fungicides, pesticides, and disinfectants
1911	Ordnance and accessories	2879	Fertilizers and fertilizer materials, not elsewhere classified
Group 20-Food and Kindred Products		2891	Miscellaneous chemical products
2011	Meat, fresh, chilled, or frozen	Group 29-Petroleum and Coal Products	
2012	Meat and meat products prepared or preserved, including canned meat products		
2014	Tallow, animal fats and oils	2911	Gasoline, including natural gasoline
2015	Animal by-products, not elsewhere classified	2912	Jet fuel
2021	Dairy products, except dried milk and cream	2913	Kerosene
2022	Dried milk and cream	2914	Distillate fuel oil
2031	Fish and fish products, including shellfish, prepared or preserved	2915	Residual fuel oil
2034	Vegetables and preparations, canned and otherwise prepared and preserved	2916	Lubricating oils and greases
2039	Fruits, and fruit and vegetable juices, canned and otherwise prepared or preserved	2917	Naphtha, mineral spirits, solvents, not elsewhere classified
2041	Wheat flour and semolina	2918	Asphalt, tar, and pitches
2042	Animal feeds	2920	Coke, including petroleum coke
2049	Grain mill products, not elsewhere classified	2921	Liquefied petroleum gases, coal gases, natural gas, and natural gas liquids
2061	Sugar	2951	Asphalt building materials
2062	Molasses	2991	Petroleum and coal products, not elsewhere classified
2081	Alcoholic beverages	Group 30-Rubber and Miscellaneous Plastics Products	
2091	Vegetable oils, all grades; margarine and shortening		
2092	Animal oils and fats, not elsewhere classified, including marine	3011	Rubber and miscellaneous plastics products
2094	Groceries	Group 31-Leather and Leather Products	
2095	Ice		
2099	Miscellaneous food products	3111	Leather and leather 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	Ferrosilloys
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.

TABLE 1 - TON-MILEAGE OF UNITED STATES FREIGHT CARRIED ON THE GREAT LAKES BY AREA, CALENDAR YEAR 1980
(000 OMITTED)

AREA	AREA TOTALS	FOREIGN			DOMESTIC							
		OVERSEAS		CANADIAN		COASTWISE		LAKEWISE		INTERNAL		LOCAL
		RECEIPTS AND SHIPMENTS	THROUGH	RECEIPTS AND SHIPMENTS	THROUGH	RECEIPTS AND SHIPMENTS	THROUGH	RECEIPTS AND SHIPMENTS	THROUGH	RECEIPTS AND SHIPMENTS	THROUGH	RECEIPTS AND SHIPMENTS
LAKE SUPERIOR	25,225,927	1,687,600	-----	3,179,098	-----	-----	-----	20,359,118	-----	-----	-----	31
ST. MARYS RIVER	4,427,957	14	277,213	6,810	529,816	-----	-----	17,009	3,601,094	-----	-----	1
LAKE MICHIGAN INCLUDING THE PORT OF CHICAGO (CHICAGO HARBOR, NORTH BRANCH, SOUTH BRANCH, SANITARY SHIP CANAL, CALUMET-SAG CHANNEL, LAKE CALUMET AND CALLUMET HARBOR AND RIVER)	19,493,761	762,076	-----	2,026,839	1,361	891	-----	12,176,890	-----	454,964	863	68,523
LAKE HURON	20,095,924	6,424	1,569,019	491,340	3,383,333	-----	49	2,714,071	11,864,934	157	-----	2,993
ST. CLAIR RIVER, INCLUDING CHANNELS IN LAKE ST. CLAIR	4,689,147	1,323	392,360	14,349	930,589	793	11	96,633	3,249,089	-----	-----	-----
DETROIT RIVER	2,507,684	20,648	214,134	14,760	552,136	1,153	408	293,368	1,450,996	-----	-----	437
LAKE ERIE, INCLUDING UPPER NIAGARA RIVER	14,598,370	427,047	1,735,916	4,108,715	2,500,906	5,943	16,285	5,756,994	37,871	1,186	-----	8,373
WELLAND CANAL	1,079,193	-----	268,213	647	793,921	-----	3,117	-----	8,700	-----	999	-----
LAKE ONTARIO, INCLUDING LOWER NIAGARA RIVER	4,957,409	504	1,589,408	452,460	2,741,079	-----	18,427	29,288	22,857	-----	7,381	1
ST. LAWRENCE RIVER, BETWEEN INTERNATIONAL BOUNDARY LINE AND LAKE ONTARIO	3,070,824	939	1,113,920	3,239	1,926,088	368	12,642	11,053	-----	2,575	-----	-----
TOTAL	96,836,192	2,906,729	7,159,783	10,258,297	13,354,823	8,708	51,029	41,412,424	20,334,697	456,822	8,559	80,359

TABLE 2 - FREIGHT TONS OF UNITED STATES TRAFFIC CARRIED ON THE GREAT LAKES BY AREA, CALENDAR YEAR 1980
(SHORT TONS)

AREA	AREA TOTALS	FOREIGN			DOMESTIC							
		OVERSEAS		CANADIAN		COASTWISE		LAKEWISE		INTERVAL		LOCAL
		RECEIPTS AND SHIPMENTS	THROUGH	RECEIPTS AND SHIPMENTS	THROUGH	RECEIPTS AND SHIPMENTS	THROUGH	RECEIPTS AND SHIPMENTS	THROUGH	RECEIPTS AND SHIPMENTS	THROUGH	
LAKE SUPERIOR	75,096,287	4,400,212	-----	11,787,076	-----	-----	-----	58,905,328	-----	-----	-----	3,071
ST. MARYS RIVER	74,309,962	307	4,400,212	292,635	11,190,254	-----	-----	1,266,280	97,160,226	-----	-----	48
LAKE MICHIGAN INCLUDING THE PORT OF CHICAGO (CHICAGO HARBOR, NORTH BRANCH, SOUTH BRANCH, SANITARY SHIP CANAL, CALUMET-SAG CHANNEL, LAKE CALUMET AND CALUMET HARBOR AND RIVER)	90,287,772	2,442,701	-----	6,077,129	4,200	32,034	-----	64,253,394	-----	18,964,764	700	3,972,050
LAKE HURON	113,033,071	40,287	6,943,220	3,861,993	13,610,371	-----	200	21,733,806	86,643,085	785	-----	299,324
ST. CLAIR RIVER, INCLUDING CHANNELS IN LAKE ST. CLAIR	89,010,353	24,050	6,883,507	650,295	19,806,912	15,455	200	4,627,969	97,001,565	-----	-----	-----
DETROIT RIVER	92,072,833	945,458	6,907,557	968,186	19,078,358	57,635	16,055	17,070,076	46,791,949	-----	-----	237,557
LAKE ERIE, INCLUDING UPPER NIAGARA RIVER	116,831,912	2,090,789	7,953,015	32,206,128	11,316,289	41,758	73,670	62,069,399	171,362	42,923	-----	916,563
WELLAND CANAL	40,869,391	-----	9,933,800	1,072,204	29,388,861	-----	115,448	-----	322,208	-----	36,888	-----
LAKE ONTARIO, INCLUDING LOWER NIAGARA RIVER	40,459,996	11,917	9,933,800	13,061,036	17,131,742	-----	115,448	179,349	142,859	-----	79,785	66
ST. LAWRENCE RIVER, BETWEEN INTERNATIONAL BOUNDARY LINE AND LAKE ONTARIO	27,858,591	15,643	9,949,717	394,289	17,197,215	7,084	112,871	142,859	-----	48,917	-----	-----
NET UNITED STATES TRAFFIC ON THE GREAT LAKES	183,514,005	9,961,360	-----	50,630,793	-----	612,332	-----	115,124,231	-----	92,249,810	-----	5,429,479

*EXCLUDES TRAFFIC WHICH DID NOT TRAVERSE THE GREAT LAKES.

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

XI

TABLE 1 - NET SUMMARY OF FOREIGN AND DOMESTIC FREIGHT CARRIED ON THE GREAT LAKES, BY TYPE OF TRAFFIC AND COMMODITY
COMPARATIVE STATEMENT OF TRAFFIC

YEAR	SHORT TONS	YEAR	SHORT TONS
1971	208,646,250	1976	205,832,809
1972	213,974,813	1977	185,906,344
1973	231,901,903	1978	221,374,884
1974	206,844,851	1979	224,984,471
1975	193,847,805	1980	183,514,005

FREIGHT TRAFFIC, 1980

(NET TRAFFIC IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			
		IMPORTS		EXPORTS		COASTWISE	LAKEWISE	INTERNAL	LOCAL
		CANADIAN	OVERSEAS	CANADIAN	OVERSEAS				
TOTAL, ALL COMMODITIES	183,514,005	13,414,205	2,101,050	37,216,588	7,860,310	122,332	119,124,231	2,245,810	5,429,479
0101 COTTON, RAW	1,534			1,534					
0102 BARLEY AND RYE	1,096,515	9,803		478,982	488,323		111,407		
0103 CORN	6,522,513			5,111,917	1,406,409				4,187
0104 OATS	88,930			9,740	55,586		3,204		
0105 RICE	28		13	15					
0107 WHEAT	5,515,604			2,167,455	1,901,665		1,446,484		
0111 SOYBEANS	1,818,774			1,169,447	649,327				
0119 OILSEEDS, NEC	1,367,655			199	1,367,456				
0121 TOBACCO, LEAF	28,643	19,742	8,901						
0122 HAY AND FODDER	95						95		
0129 FIELD CROPS, NEC	3,608	1	110	7	31		3,459		
0131 FRESH FRUITS	3,170			4,322			843		
0132 BANANAS AND PLANTAINS	60			60					
0133 COFFEE	8								
0141 FRESH AND FROZEN VEGETABLES	78,383		16	43,389	16,138		18,840		
0145 ANIMALS AND PRODUCTS, NEC	3,979	81	148	522	3,102		125		
0191 MISCELLANEOUS FARM PRODUCTS	5,070	28	24	76	2		4,940		
0841 CRUDE RUBBER AND ALLIED GUMS	3,048	35		3,012	1				
0861 FOREST PRODUCTS, NEC	89	20	28	24			15		
0911 FRESH FISH, EXCEPT SHELLFISH	29,175	7			199		951	85	27,933
0912 SHELLFISH, EXCEPT PREPARED	4				4				
1011 IRON ORE AND CONCENTRATES	75,881,798	7,620,201	147,274	6,317,290			60,374,104		1,422,929
1021 COPPER ORE AND CONCENTRATES	551	131					420		
1031 ALUMINUM ORES, CONCENTRATES	122,104	11	17,866	834	1		1,491	101,901	
1041 MANGANESE ORES, CONCENTRATES	45,095		21,826				1,472	21,797	
1091 NONFERROUS ORES, CONCENT, NEC	93,392	5,620	66,563		15,661			5,546	
1121 COAL AND LIGNITE	38,687,558			16,783,364			21,900,189	4,005	
1411 LIMESTONE	22,190,573	12		2,498,899			19,691,641		
1412 BUILDING STONE, UNWORKED	88				38		50		
1442 SAND, GRAVEL, CRUSHED ROCK	4,331,876	1,181,263	330	34,295	302		452,949	1,376	2,661,361
1451 CLAY	382,968	310	24,062	182,393	138,979		37,224		
1479 NATURAL FERTILIZER MATS, NEC	30						30		
1491 SALT	1,945,637	1,329,088	2	616,567					
1492 SULPHUR, DRY	2				2				
1494 GYPSUM, CRUDE AND PLASTERS	725,771						725,771		
1499 NONMETALLIC MINERALS, NEC	654,593	6,736	18,176	6,496	66		565,050	38,283	19,786
1811 ORDINANCE AND ACCESSORIES	31	2	10		19				
2011 MEAT, FRESH, CHILLED, FROZEN	39,372	179	17	13	39,013		150		
2012 MEAT AND PRODUCTS, NEC	349	3	4	1	1		340		
2014 TALLOW, ANIMAL FATS AND OILS	110,889			232	105,134		600	4,863	
2015 ANIMAL BY-PRODUCTS, NEC	10,410			4,994	2,060		3,356		
2021 DAIRY PRODUCTS, NEC	11,076	10			350		10,716		
2022 DRIED MILK AND CREAM	15,457			17	14,890		1,350		
2031 FISH AND SHELLFISH, PREPARED	9,613	80	44	39			9,450		
2034 VEGETABLES AND PREP, NEC	87,218	34	1,257	1,093	305		84,529		
2039 PREP FRUIT AND VEG JUICE, NEC	27,665	133	31	6,735	856		19,910		
2041 WHEAT FLOUR AND SEMOLINA	59,552			283	30,949		28,320		
2042 ANIMAL FEEDS	118,057	40	440	9,497	101,309		5,493		1,318
2049 GRAIN MILL PRODUCTS, NEC	191,327	194	185	4,145	130,883		55,920		
2061 SUGAR	57,642		55,117				2,525		
2062 MOLASSES	25			25					
2081 ALCOHOLIC BEVERAGES	30,622	3,875	24,224	231	140		2,152		
2091 VEGETABLE OILS, MARG, SHORT	6,625	7	68	1,045	5,405		100		
2094 GROCERIES	274						274		
2095 ICE	58						58		
2099 MISCELLANEOUS FOOD PRODUCTS	37,334	335	1,666	2,439	12,495		20,401		
2111 TOBACCO MANUFACTURES	36				18				
2211 BASIC TEXTILE PRODUCTS	38,190	484	34,251	939	406		199		
2212 TEXTILE FIBERS, NEC	1,994	492	1,121	134			247		
2311 APPAREL	2,021	34	26	352	1,689				
2411 LOGS	64,357			722	46,233		17,402		
2413 FUEL WOOD, CHARCOAL, WASTES	727	18	317	392					
2414 TIMBER, POSTS, POLES, PILING	8,091			4,446			3,645		
2415 PULPMOOD, LOG	31,116						31,116		
2416 WOOD CHIPS, STAVES, MOLDINGS	3,486	1,661		1,380			445		
2421 LUMBER	72,517	1,277	107	9,330	3,408		53,047	5,348	
2431 VENEER, PLYWOOD, WORKED WOOD	96,264	6,988	79	347	6		88,844		
2491 WOOD MANUFACTURES, NEC	11,064	30	396	2,776	1,535		6,327		
2511 FURNITURE AND FIXTURES	3,054	446	390	1,280	261		677		
2611 PULP	121,886	99,443	4,903	1,224	897		19,019		
2621 STANDARD NEWSPRINT PAPER	46,244						46,244		
2631 PAPER AND PAPERBOARD	590,816	218,085	34,956	2,440	6,719		325,904	2,712	
2691 PULP AND PAPER PRODUCTS, NEC	91,749	43	13	1,255	327		90,111		
2711 PRINTED MATTER	3,831	245	109	4,149	1,148				
2810 SODIUM HYDROXIDE	37,367						34,996	1,200	1,171
2811 CRUDE TAR, OIL, GAS PRODUCTS	42,320	17,824	18				18,115		6,363
2812 DYES, PIGMENTS, TANNING MATS	19								
2813 ALCOHOLS	4,747			100			4,647		
2817 BENZENE AND TOLUENE	68,821						37,486	29,938	1,397
2819 BASIC CHEMICALS AND PROD, NEC	652,794	269,382	7,489	175,470	11,743		373,671	1,640	17,159
2821 PLASTIC MATERIALS	40,764	489	328	18,935	2,950		18,062		

WATERBORNE COMMERCE OF THE UNITED STATES, 1986

TABLE 3 - NET SUMMARY OF FOREIGN AND DOMESTIC FREIGHT CARRIED ON THE GREAT LAKES, BY TYPE OF TRAFFIC AND COMMODITY (CONTINUED)
 FREIGHT TRAFFIC, 1986 (CONTINUED)
 (NET TRAFFIC IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			
		IMPORTS		EXPORTS		COASTWISE	LAKEWISE	INTERNAL	LOCAL
		CANADIAN	OVERSEAS	CANADIAN	OVERSEAS				
2822 SYNTHETIC RUBBER-----	7,622			6,881	421		320		
2823 SYNTHETIC (MAN-MADE) FIBERS-----	61			61					
2831 DRUGS-----	967	93	268	304	302				
2841 SOAP-----	15,518	114	200	12,337	2,650		217		
2851 PAINTS-----	8,632	4,844	1,665	1,742	379				
2861 GUM AND WOOD CHEMICALS-----	2,959			2,959	20				
2871 NITROGENOUS CHEM FERTILIZERS-----	365,506		114,620	4,551			62,288	184,647	
2872 POTASSIC CHEM FERTILIZERS-----	29,384			373			28,911		
2873 PHOSPHATIC CHEM FERTILIZERS-----	700,500	616,893		36,179			33,900	13,528	
2876 INSECTICIDES, DISINFECTANTS-----	1,312	41	85	1,053	13		120		
2879 FERTILIZER AND MATERIALS, NEC-----	3,056	187		209			2,660		
2891 MISCELLANEOUS CHEMICAL PROD-----	208,500	34,251	5,220	20,945	3,074		145,010		
2911 GASOLINE-----	1,207,540			20,797	25	7,884	1,122,432	28,791	45,481
2912 JET FUEL-----	183,318						183,318		
2913 KEROSENE-----	8,554				34		5,499	3,021	
2914 DISTILLATE FUEL OIL-----	1,243,458	14,253					905,726	23,752	299,727
2915 RESIDUAL FUEL OIL-----	3,446,001	937,915				68,084	1,588,896	69,176	781,930
2916 LUBRICATING OILS AND GREASES-----	172,797	29	20	63,889	245		2,363	34,066	25,021
2917 NAPHTHA, PETROLEUM SOLVENTS-----	247,511						180,389	60,353	6,769
2918 ASPHALT, TAR, AND BITUMENS-----	344,601			9,109	111		319,838	5,090	10,453
2920 COKE, PETROLEUM COKE-----	4,009,239		17,535	1,206,133	238,529		144,045	338,262	64,735
2921 LIQUEFIED GASES-----	1,612			1,387	60		165		
2951 ASPHALT BUILDING MATERIALS-----	129						120		
2991 PETROLEUM AND COAL PROD, NEC-----	3,081		33	9	11		320	2,698	
3011 RUBBER AND MISC PLASTIC PROD-----	9,505	532	481	7,022	850		620		
3111 LEATHER AND LEATHER PRODUCTS-----	3,357	653	497	177	218		1,812		
3211 GLASS AND GLASS PRODUCTS-----	8,578	1,214	2,994	3,843	529				
3241 BUILDING CEMENT-----	3,689,309	745,082	6,622	27,456	26		2,910,123		
3291 STRUCTURAL CLAY PRODUCTS-----	24,497	1,275	1,428	1,827	218		12,938	6,811	
3271 LIME-----	10,231			51				10,180	
3281 CUT STONE AND STONE PRODUCTS-----	3,659	881	2,345	1	132				
3291 MISC NONMETALLIC MINERAL PROD-----	14,301	652	319	641	444		12,245		
3311 PIG IRON-----	32,613						16,684	15,929	
3312 SLAG-----	396,692						342,095	54,597	
3314 IRON AND STEEL PRIMARY FORMS-----	237,245	3,473	18,402	29,053	66,741		50,053	67,343	
3315 IRON, STEEL SHAPES, ETC SHEET-----	1,370,444	26,341	1,110,005	977	8,454		50,985	171,823	1,859
3316 IRON AND STEEL PLATES, SHEETS-----	695,951	1,512	5,951	13,343	163,345		24,245	484,755	2,800
3317 IRON AND STEEL PIPE AND TUBE-----	53,351	1,428	15,504	1,614	1,322		22,772	10,711	
3318 FERROALLOYS-----	332,437	113,111	154,954				2,937	60,682	1,353
3319 IRON AND STEEL PRODUCTS, NEC-----	258,501	7,016	8,017	3,382	735		25,595	213,756	
3321 NONFERROUS METALS, NEC-----	5,969	725	3,566	402	166		1,110		
3322 COPPER ALLOYS, UNWORKED-----	13,127	997	647	1,105	61		10,350		
3323 LEAD AND ZINC, UNWORKED-----	40,696	1,035	37,357	73	2,231				
3324 ALUMINUM AND ALLOYS, UNWORKED-----	17,917	8,774	1,311	874	843		6,115		
3411 FABRICATED METAL PRODUCTS-----	42,816	3,867	8,609	6,022	3,348		3,450	17,928	
3511 MACHINERY, EXCEPT ELECTRICAL-----	118,838	25,066	29,757	15,758	30,119		14,025	4,113	
3611 ELECTRICAL MACH AND EQUIP-----	22,154	3,795	3,167	6,929	8,887		196		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	84,408	19,659	6,122	21,919	9,552		27,156		
3721 AIRCRAFT AND PARTS-----	39		2	25	12				
3731 SHIPS AND BOATS-----	636	38	2	13	78		475		
3791 MISC TRANSPORTATION EQUIPMENT-----	12,255	409	7,212	1,146	2,028		920		500
3811 INSTR, TIME, PHOTO, OPT GOODS-----	2,077	836	78	443	380		270		
3911 MISC MANUFACTURED PRODUCTS-----	85,700	921	983	1,554	499		82,143		
4011 IRON AND STEEL SCRAP-----	989,855	17,049	5,942	2,755	745,496		26,054	146,712	25,247
4012 NONFERROUS METAL SCRAP-----	63,858	5,843	50,357	4,649	2,629		380		
4022 TEXTILE WASTE, SCRAP, SWEEP-----	1,865			35			1,830		
4024 PAPER WASTE AND SCRAP-----	6,925	215		3,533	81		3,096		
4029 WASTE AND SCRAP, NEC-----	120						120		
4112 COMMODITIES, NEC-----	32,846	2,800	3,873	703	134		25,333		
9999 DEPARTMENT OF DEFENSE AND SCI-----	163			49	114				

* SALT INCLUDED IN NONMETALLIC MINERALS, NEC. TO AVOID DISCLOSURE OF INDIVIDUAL COMPANY OPERATIONS.

Section 1
FREIGHT TRAFFIC

1/2

ST. PAUL, MINN., DISTRICT

(GREAT LAKES PORTION)

3

LAKE SUPERIOR AREA

THE HARBORS (AGATE BAY), MINN.

SECTION INCLUDED: ENTIRE HARBOR. CONTROLLING DEPTH: 28 FEET EXCEPT FOR A 26 FOOT AREA ALONG THE EAST PROJECT LINE. PROJECT DEPTH: 28 FEET IN INNER BASIN AND 30 FEET NEAR ENTRANCE. NAVIGATION SEASON: MARCH 3 TO SHIPPED ALL WINTER LONG.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	4,909,816	1976-----	6,264,128
1972-----	6,777,639	1977-----	8,049,083
1973-----	8,629,673	1978-----	10,517,863
1974-----	9,788,565	1979-----	11,932,719
1975-----	9,605,595	1980-----	11,157,604

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE SHIPMENTS	LOCAL
TOTAL-----	11,157,604	11,157,598	14
0911 FRESH FISH, EXCEPT SHELLFISH-----	14	14	14
1011 IRON ORE AND CONCENTRATES-----	11,157,590	11,157,590	

DULUTH-SUPERIOR HARBOR, MINN. AND WIS.

SECTION INCLUDED: SUPERIOR BAY AND ITS TRIBUTARIES, ST. LOUIS BAY AND ST. LOUIS RIVER, AND ALLOUEZ BAY. CONTROLLING DEPTH: 32 FEET IN LAKE APPROACHES, DIMINISHING TO A MINIMUM OF 20 FEET IN CERTAIN INNER CHANNELS; THERE ARE NUMEROUS 1-2 FOOT SHOALS SCATTERED IN PORTIONS OF THE DULUTH AND SUPERIOR HARBOR BASINS. PROJECT DEPTH: 32 FEET IN LAKE APPROACHES; 27 FEET IN DULUTH AND SUPERIOR HARBOR BASINS. SUPERIOR FRONT CHANNEL, AND IN DRE-CHANNEL ROUTES THROUGH NORTH AND SOUTH CHANNELS TO D. H. & T. R. R. ONE DOCK; 27 FEET IN HOWARDS BAY AND ALLOUEZ BAY; 23 FEET IN REMAINING PORTION OF SOUTH, UPPER, AND MINNESOTA CHANNELS TO HALLET DOCK NO. 61 AND 20 FEET FROM THENCE TO NORTHERLY END OF CLOUGH ISLAND. NAVIGATION SEASON: APRIL 3 TO JANUARY 11, 1979.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	37,090,852	135,780	1976-----	32,654,931	136,422
1972-----	37,895,954	147,029	1977-----	33,419,210	204,314
1973-----	48,158,190	142,232	1978-----	45,041,364	231,028
1974-----	40,344,702	121,020	1979-----	47,725,975	199,630
1975-----	33,607,024	130,080	1980-----	41,434,568	233,690

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		LOCAL
		OVERSEAS		CANADIAN		LAKEWANE		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	41,434,568	13,968	4,386,244	330,260	5,192,794	1,626,062	29,804,820	420
0102 BARLEY AND RYE-----	1,096,035		488,323	9,803	478,982		110,927	
0103 CORN-----	1,125,988		490,072		635,116			
0104 OATS-----	65,736		53,939		8,793		3,084	
0107 WHEAT-----	5,045,224		1,866,265		1,776,853		1,462,106	
0111 SOYBEANS-----	38,012		38,012					
0119 OILSEEDS, NEC-----	1,367,434		1,367,434					
0141 FRESH AND FROZEN VEGETABLES-----	242		242					
0911 FRESH FISH, EXCEPT SHELLFISH-----	424			4				420
1011 IRON ORE AND CONCENTRATES-----	26,310,493				2,126,805		24,184,408	
1121 COAL AND LIGNITE-----	4,395,084					384,703	4,010,381	
1411 LIMESTONE-----	652,169					652,169		
1412 BUILDING STONE, UNWORKED-----	38		38					
1442 SAND, GRAVEL, CRUSHED ROCK-----	12,795			370	12,425			
1451 CLAY-----	101,435				101,435			
1499 NONMETALLIC MINERALS, NEC-----	106,472			106,472				
2022 DRIED MILK AND CREAM-----	1,187		1,187					
2041 WHEAT FLOUR AND SEMOLINA-----	1,433		1,433					
2042 PREPARED ANIMAL FEEDS-----	36,674		36,674					
2049 GRAIN MILL PRODUCTS, NEC-----	16,997		16,997					
2211 BASIC TEXTILE PRODUCTS-----	13,486	13,486						
2411 LOGS-----	2,070		2,070					
2421 LUMBER-----	1,265			1,265				
2431 VENEER, PLYWOOD, WORKED WOOD-----	1							
2611 PULP-----	84,109			84,109				
2631 PAPER AND PAPERBOARD-----	128,115			128,115				
2819 BASIC CHEMICALS AND PROD, NEC-----	4,222					4,222		
2872 POTASSIC CHEM FERTILIZERS-----	11,211						11,211	
2873 PHOSPHATIC CHEM FERTILIZERS-----	33,685				33,685			
2911 GASOLINE-----	95,251					49,399	45,852	
2914 DISTILLATE FUEL OIL-----	111,329					84,845	26,484	
2915 RESIDUAL FUEL OIL-----	17,224					14,897	2,327	
3011 RUBBER AND MISC PLASTIC PROD-----	1			1				
3241 BUILDING CEMENT-----	935,367				19,980	515,867		
3411 FABRICATED METAL PRODUCTS-----	1	1						

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

DULUTH-SUPERIOR HARBOR, MINN.; AND MIS.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		
		OVERSEAS		CANADIAN		LAKEWATER		LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
3911 MACHINERY, EXCEPT ELECTRICAL-----	41	28	2	11	-----	-----	-----	
3411 ELECTRICAL MACH AND EQUIP-----	496	493	3	-----	-----	-----	-----	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1	-----	1	-----	-----	-----	-----	
3731 SHIPS AND BOATS-----	1	-----	1	-----	-----	-----	-----	
4011 IRON AND STEEL SCRAP-----	21,926	-----	21,926	-----	-----	-----	-----	
4112 COMMODITIES, NEC-----	134	-----	25	109	-----	-----	-----	

ASHLAND HARBOR, WIS.

SECTION INCLUDED: ENTIRE HARBOR. CONTROLLING AND PROJECT DEPTHS: 27 FEET IN ABOUT WESTERLY HALF OF EAST BASIN AND APPROACH THERETO, 25 FEET IN REMAINDER OF EAST BASIN, AND 21 AND 28 FEET IN THE CHANNEL IN WESTERN PORTION OF THE HARBOR. CONTROLLING DEPTH: 20 FEET ALONG THE SOUTHERN PORTION OF THE 21 FOOT PROJECT DEPTH AREA. NAVIGATION SEASON: MAY 13 TO NOVEMBER 26, 1979.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	355,299	1976-----	191,330
1972-----	280,100	1977-----	166,599
1973-----	369,332	1978-----	219,516
1974-----	378,335	1979-----	320,132
1975-----	333,955	1980-----	289,949

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWATER	LOCAL
		RECEIPTS	
TOTAL-----	289,949	289,949	41
0911 FRESH FISH, EXCEPT SHELLFISH-----	41	-----	41
1121 COAL AND LIGNITE-----	239,431	239,431	-----
1411 LIMESTONE-----	50,477	50,477	-----

ST. PAUL, MINN., DISTRICT (GREAT LAKES PORTION)

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OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	PASSENGERS
PROJECT			
BAYFIELD HARBOR, WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	549	
	1442 SAND, GRAVEL, CRUSHED ROCK	4,008	
	2011 GASOLINE	294	
	2014 DISTILLATE FUEL OIL	392	
	2018 ASPHALT, TAR, AND BITUMENS	142	
	2021 LIQUEFIED GASES	79	
	3721 MOTOR VEHICLES, PARTS, EQUIP	16	
	4112 COMMODITIES, NEC	3,002	
	TOTAL	9,411	190,471
BEAVER BAY HARBOR, MINN.	0011 FRESH FISH, EXCEPT SHELLFISH	261	
CORNUCOPIA HARBOR, WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	99	
GRAND MARAIS HARBOR, MINN.	0011 FRESH FISH, EXCEPT SHELLFISH	458	
KNIFE RIVER HARBOR, MINN.	0011 FRESH FISH, EXCEPT SHELLFISH	3	
LA POINTE HARBOR, WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	9	
	2011 GASOLINE	294	
	2014 DISTILLATE FUEL OIL	392	
	2018 ASPHALT, TAR, AND BITUMENS	142	
	2021 LIQUEFIED GASES	79	
	4112 COMMODITIES, NEC	3,002	
	TOTAL	3,999	169,963
LUTSEN HARBOR, MINN.	0011 FRESH FISH, EXCEPT SHELLFISH	3	
PORT WING HARBOR, WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	92	
WARROAD HARBOR, MINN.	0011 FRESH FISH, EXCEPT SHELLFISH	867	
NONPROJECT			
SILVER BAY, MINN.	0011 FRESH FISH, EXCEPT SHELLFISH	12	
	1011 IRON ORE AND CONCENTRATES	4,071,444	
	TOTAL	4,071,456	
TACONITE HARBOR, MINN.	1011 IRON ORE AND CONCENTRATES	6,796,964	
	1121 COAL AND LIGNITE	228,629	
	2019 RESIDUAL FUEL OIL	2,367	
	TOTAL	7,027,960	

CHICAGO, ILL., DISTRICT

GREEN BAY HARBOR, WIS.

SECTION INCLUDED: OUTER CHANNEL, CHANNEL THROUGH THE CITY OF GREEN BAY AND UPPER RIVER CHANNEL TO CITY OF DE PERE; CONTROLLING AND PROJECT DEPTHS: 24 FEET IN OUTER CHANNEL TO GRASSY ISLAND; 24 FEET IN THE ENTRANCE CHANNEL AND RIVER CHANNEL TO A POINT 1,900 FEET UPSTREAM FROM THE C. & N. W. R. R. BRIDGE; 24 FEET IN THE TURNING BASIN AT THE MOUTH OF THE EAST RIVER; 20 FEET IN THE TURNING BASIN ABOVE THE C. & N. W. R. R. BRIDGE; 16 FEET IN THE UPPER RIVER CHANNEL AND TURNING BASIN AT THE CITY OF DE PERE.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	2,763,287	1976-----	2,348,301
1972-----	2,823,604	1977-----	2,476,718
1973-----	2,723,596	1978-----	2,457,924
1974-----	2,531,487	1979-----	2,839,326
1975-----	2,608,177	1980-----	2,299,001

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		CANADIAN		DOMESTIC	
		OVERSEAS		IMPORTS	RECEIPTS	LOCAL	
		IMPORTS	EXPORTS				
TOTAL-----	2,299,001	4,567	49,946	117,498	2,126,702	336	
0011 FRESH FISH, EXCEPT SHELLFISH-----	336					336	
1121 COAL AND LIGNITE-----	1,444,893				1,444,893		
1411 LIMESTONE-----	238,913				238,913		
1499 NONMETALLIC MINERALS, NEC-----	88,995			88,995			
2014 TALLOW, ANIMAL FATS AND OILS-----	21,809		21,809				
2021 DAIRY PRODUCTS, NEC-----	110		110				
2022 DRIED MILK AND CREAM-----	6,826		6,826				
2041 WHEAT FLOUR AND SEMOLINA-----	4,343		4,343				
2042 PREPARED ANIMAL FEEDS-----	127		127				
2049 GRAIN MILL PRODUCTS, NEC-----	12,511		12,511				
2099 MISCELLANEOUS FOOD PRODUCTS-----	302		302				
2611 PULP-----	17,867	4,485			13,382		
2631 PAPER AND PAPERBOARD-----	2,234		2,234				
2819 BASIC CHEMICALS AND PROD, NEC-----	15,133			15,133			
2911 GASOLINE-----	17,409					17,409	
2914 DISTILLATE FUEL OIL-----	55,261					55,261	
2918 ASPHALT, TAR, AND BITUMENS-----	30,076					30,076	
2920 COKE, PETROLEUM COKE-----	11,268					11,268	
3241 BUILDING CEMENT-----	328,682					328,682	
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,788	82	1,646				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	38		38				

KEWAUNEE HARBOR, WIS.

SECTION INCLUDED: OUTER HARBOR, INNER BASIN AND NORTH BASIN, CONTROLLING AND PROJECT DEPTHS: 20 FEET;

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	1,258,120	19,137	1976-----	928,760	22,662
1972-----	1,205,791	14,745	1977-----	876,895	58,436
1973-----	1,384,863	18,380	1978-----	956,015	44,140
1974-----	1,281,178	24,824	1979-----	1,022,964	32,639
1975-----	1,084,288	27,173	1980-----	1,126,754	39,565

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE		INTERNAL	LOCAL
		RECEIPTS	SHIPMENTS		
TOTAL-----	1,120,754	553,588	566,464	700	2
0104 OATS-----	200	200			
0107 WHEAT-----	200	200			
0122 HAY AND FODDER-----	95	47			
0129 FIELD CROPS, NEC-----	2,001	2,001			
0141 FRESH AND FROZEN VEGETABLES-----	18,720	6,845	12,175		
0161 ANIMALS AND PRODUCTS, NEC-----	125		125		
0191 MISCELLANEOUS FARM PRODUCTS-----	178	125	43		
0911 FRESH FISH, EXCEPT SHELLFISH-----	2				2
1021 COPPER ORE AND CONCENTRATES-----	420		420		
1121 COAL AND LIGNITE-----	2,738	1,968	770		
1412 BUILDING STONE, UNWORKED-----	50		50		
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,248		2,248		
1451 CLAY-----	22,777	9,980	16,797		
1479 NATURAL FERTILIZER MATS, NEC-----	30	15	15		
1499 NONMETALLIC MINERALS, NEC-----	77,725	76,970	1,155		
2011 MEAT, FRESH, CHILLED, FROZEN-----	150		150		
2012 MEAT AND PRODUCTS, NEC-----	340		340		
2014 TALLOW, ANIMAL FATS AND OILS-----	660		660		

CHICAGO, ILL., DISTRICT

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KENAUNEE HARBOR, WIS.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	LAKEWIDE		INTERNAL	LOCAL
		RECEIPTS	SHIPMENTS	SHIPMENTS	
2015 ANIMAL BY-PRODUCTS, NEC	2,954	1,731	1,223		
2021 DAIRY PRODUCTS, NEC	10,716	1,697	9,619		
2022 DRIED MILK AND CREAM	720	90	630		
2031 FISH AND SHELLFISH, PREPARED	4,320		4,320		
2034 VEGETABLES AND PREP, NEC	60,009	13,300	46,685		
2039 PREP FRUIT AND VEG JUICE, NEC	13,925	2,483	11,120		
2041 WHEAT FLOUR AND SEMOLINA	20,145	2,050	29,295		
2042 PREPARED ANIMAL FEEDS	2,553	230	2,323		
2049 GRAIN MILL PRODUCTS, NEC	9,515	2,205	7,310		
2061 SUGAR	2,525	195	2,330		
2061 ALCOHOLIC BEVERAGES	645	465	180		
2099 MISCELLANEOUS FOOD PRODUCTS	19,713	5,139	10,574		
2211 BASIC TEXTILE PRODUCTS	199		199		
2212 TEXTILE FIBERS, NEC	247		247		
2414 TIMBER, POSTS, POLES, PILING	1,105	45	1,060		
2415 PULPMOOD, LOG	31,114	10,526	12,598		
2416 WOOD CHIPS, STAVES, HOLDINGS	420	195	225		
2421 LUMBER	49,432	11,033	37,599		
2431 VENEER, PLYWOOD, WORKED WOOD	73,965	10,003	63,002		
2491 WOOD MANUFACTURES, NEC	9,062	910	4,552		
2511 FURNITURE AND FIXTURES	300	207	281		
2611 PULP	1,410	400	820		
2611 STANDARD NEWSPRINT PAPER	36,504	10,904	25,600		
2611 PAPER AND PAPERBOARD	277,904	144,737	133,167		
2691 PULP AND PAPER PRODUCTS, NEC	19,004	2,160	17,000		
2810 SODIUM HYDROXIDE	10,544	870	9,674		
2811 CRUDE TAR, OIL, GAS PRODUCTS	00	00			
2819 BASIC CHEMICALS AND PROD, NEC	240	240			
2821 PLASTIC MATERIALS	1,200	755	525		
2822 SYNTHETIC RUBBER	00	00			
2871 NITROGENOUS CHEM FERTILIZERS	1,000	1,700	100		
2872 POTASSIC CHEM FERTILIZERS	6,400	600	5,800		
2873 PHOSPHATIC CHEM FERTILIZERS	29,400	5,700	19,700		
2879 FERTILIZER AND MATERIALS, NEC	2,305	1,645	660		
2891 MISCELLANEOUS CHEMICAL PROD	90,551	76,503	13,948		
2910 ASPHALT, TAR, AND BITUMENS	300	300			
2991 ASPHALT BUILDING MATERIALS	120	120			
2991 PETROLEUM AND COAL PROD, NEC	320	320			
3011 RUBBER AND MISC PLASTIC PROD	500	375	125		
3111 LEATHER AND LEATHER PRODUCTS	630	30	600		
3241 BUILDING CEMENT	6,650	5,100	1,550		
3291 STRUCTURAL CLAY PRODUCTS	9,950	3,010	6,140		
3291 CUT STONE AND STONE PRODUCTS	250	140	110		
3291 MISC NONMETALLIC MINERAL PROD	9,140	150	9,010		
3311 PIG IRON	1,460	1,160	300		
3312 SLAG	00		00		
3312 IRON AND STEEL PRIMARY FORMS	24,110	17,970	6,540		
3315 IRON, STEEL SHAPES, EXC SHEET	33,185	29,155	8,030		
3316 IRON AND STEEL PLATES, SHEETS	120	120			
3317 IRON AND STEEL PIPE AND TUBE	13,580	13,580			
3319 IRON AND STEEL PRODUCTS, NEC	7,405	7,045	440		
3321 NONFERROUS METALS, NEC	1,005		1,005		
3322 COPPER ALLOYS, UNWORKED	840	360	480		
3324 ALUMINUM AND ALLOYS, UNWORKED	6,005	1,310	4,695		
3411 FABRICATED METAL PRODUCTS	2,059	1,305	854	700	
3511 MACHINERY, EXCEPT ELECTRICAL	766	686	80		
3611 ELECTRICAL MACH AND EQUIP	146	76	70		
3711 MOTOR VEHICLES, PARTS, EQUIP	9,171	5,644	3,527		
3791 MISC TRANSPORTATION EQUIPMENT	850	690	160		
3911 MISC MANUFACTURED PRODUCTS	70,369	55,050	15,311		
4011 IRON AND STEEL SCRAP	165	135	30		
4012 NONFERROUS METAL SCRAP	330	330			
4022 TEXTILE WASTE, SCRAP, SWEEP	1,770	785	985		
4024 PAPER WASTE AND SCRAP	1,865	1,215	650		
4029 WASTE AND SCRAP, NEC	120	120			

NAVITONOC HARBOR, WIS.

SECTION INCLUDED: OUTER HARBOR AND LOWER 2 MILES OF RIVER; CONTROLLING AND PROJECT DEPTHS: 21 FEET IN THE LAKE APPROACH CHANNEL, THE OUTER HARBOR, AND IN THE RIVER CHANNEL TO THE THIRD RAILWAY BRIDGE;

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	1,932,495	105,734	1976	744,428	77,930
1972	1,818,313	105,208	1977	739,003	68,673
1973	1,292,056	92,241	1978	698,517	34,320
1974	869,439	88,922	1979	740,356	65,109
1975	653,503	65,519	1980	744,427	69,995

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

MANITOWOC HARBOR, WIS.--CONTINUED

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN OVERSEAS		DOMESTIC LAKEWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	744,427	62	2,709	475,489	266,167
0100 FIELD CROPS, NEC-----	1,458			40	1,418
0131 FRESH FRUITS AND TREE NUTS-----	80			80	
0141 FRESH AND FROZEN VEGETABLES-----	120				120
0191 MISCELLANEOUS FARM PRODUCTS-----	4,770			547	4,223
0801 FOREST PRODUCTS, NEC-----	15				15
1101 COAL AND LIGNITE-----	56,000			55,036	970
1402 SAND, GRAVEL, CRUSHED ROCK-----	8,500			85	8,435
1491 CLAY-----	14,447			1,460	12,987
1499 NONMETALLIC MINERALS, NEC-----	37,108			36,208	900
2013 ANIMAL BY-PRODUCTS, NEC-----	400			200	200
2022 DRIED MILK AND CREAM-----	630				630
2031 FISH AND SHELLFISH, PREPARED-----	9,130				9,130
2034 VEGETABLES AND PREP. NEC-----	24,464			5,285	19,179
2039 PREP FRUIT AND VEG JUICE, NEC-----	6,385			1,140	5,245
2041 WHEAT FLOUR AND SEMOLINA-----	175				175
2042 PREPARED ANIMAL FEEDS-----	400			400	
2049 GRAIN MILL PRODUCTS, NEC-----	22,220			70	22,150
2081 ALCOHOLIC BEVERAGES-----	1,507				1,507
2091 VEGETABLE OILS, MARG, SHORT-----	100			100	
2099 MISCELLANEOUS FOOD PRODUCTS-----	4,120			1,450	2,670
2414 TIMBER, POSTS, POLES, PILING-----	2,210			40	2,170
2416 WOOD CHIPS, STAVES, HOLDINGS-----	25				25
2421 LUMBER-----	3,115			685	2,430
2431 VENEER, PLYWOOD, WORKED WOOD-----	14,879			750	14,129
2491 WOOD MANUFACTURES, NEC-----	1,265			250	1,015
2511 FURNITURE AND FIXTURES-----	15				15
2611 PULP-----	6,960			1,170	5,790
2621 STANDARD NEWSPRINT PAPER-----	500			130	370
2631 PAPER AND PAPERBOARD-----	46,544			9,451	37,093
2691 PULP AND PAPER PRODUCTS, NEC-----	26,290			24,000	2,290
2810 SODIUM HYDROXIDE-----	24,450				24,450
2821 PLASTIC MATERIALS-----	16,782			1,791	14,991
2822 SYNTHETIC RUBBER-----	240				240
2841 SOAP-----	217				217
2872 POTASSIC CHEM FERTILIZERS-----	11,300				11,300
2873 PHOSPHATIC CHEM FERTILIZERS-----	8,500			5,900	2,600
2876 INSECTICIDES, DISINFECTANTS-----	120				120
2879 FERTILIZER AND MATERIALS, NEC-----	315			180	135
2891 MISCELLANEOUS CHEMICAL PROD-----	46,955			21,254	25,701
2910 ASPHALT, TAR, AND PITCHES-----	495			210	285
3241 BUILDING CEMENT-----	265,341			265,341	
3291 STRUCTURAL CLAY PRODUCTS-----	2,980			1,240	1,740
3291 CUT STONE AND STONE PRODUCTS-----	55				55
3291 MISC NONMETALLIC MINERAL PROD-----	2,985			235	2,750
3311 PIG IRON-----	750			630	120
3314 IRON AND STEEL PRIMARY FORMS-----	17,890			13,210	4,680
3319 IRON, STEEL SHAPES, EXC SHEET-----	12,900			7,410	5,490
3316 IRON AND STEEL PLATES, SHEETS-----	410			310	100
3317 IRON AND STEEL PIPE AND TUBE-----	8,342			8,342	
3319 IRON AND STEEL PRODUCTS, NEC-----	910			910	
3321 NONFERROUS METALS, NEC-----	105				90
3322 COPPER ALLOYS, UNWORKED-----	9,510			2,520	6,990
3324 ALUMINUM AND ALLOYS, UNWORKED-----	110				110
3411 FABRICATED METAL PRODUCTS-----	500				500
3511 MACHINERY, EXCEPT ELECTRICAL-----	13,575		2,673	2,540	8,362
3611 ELECTRICAL MACH AND EQUIP-----	50			50	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	221		36	135	50
3731 SHIPS AND BOATS-----	295			200	95
3791 MISC TRANSPORTATION EQUIPMENT-----	70				70
3811 INSTR, TIME, PHOTO, OPT GOODS-----	270				270
3911 MISC MANUFACTURED PRODUCTS-----	3,987			1,658	2,329
4011 IRON AND STEEL SCRAP-----	2,615			1,635	980
4022 TEXTILE WASTE, SCRAP, SHEEP-----	60				60
4024 PAPER WASTE AND SCRAP-----	1,231			1,196	35
4112 COMMODITIES, NEC-----	62	62			

PORT WASHINGTON HARBOR, WIS.

SECTION INCLUDED: OUTER HARBOR AND INTERIOR BASINS. CONTROLLING AND PROJECT DEPTHS: 21 FEET IN THE ENTRANCE CHANNEL AND OUTER TURNING BASIN; 18 FEET IN INNER BASINS.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	903,773	1976-----	1,066,083
1972-----	717,312	1977-----	688,887
1973-----	869,734	1978-----	877,701
1974-----	676,362	1979-----	788,665
1975-----	876,913	1980-----	873,574

CHICAGO, ILL., DISTRICT

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PORT WASHINGTON HARBOR, WIS.--CONTINUED

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LANESIDE		LOCAL
		RECEIPTS	SHIPMENTS	
TOTAL-----	873,874	873,858	1,186	36
0911 FRESH FISH, EXCEPT SHELLFISH-----	36	-----	-----	36
1121 COAL AND LIGNITE-----	779,619	779,619	-----	-----
2911 GASOLINE-----	89,994	84,774	1,186	-----
2914 DISTILLATE FUEL OIL-----	7,969	7,969	-----	-----

MILWAUKEE HARBOR, WIS.

SECTION INCLUDED: LAKE APPROACH CHANNEL, OUTER HARBOR, MILWAUKEE RIVER TO BUFFALO STREET, LOWER 2 MILES OF MENOMONEE RIVER, LOWER 2 MILES OF KINNICKINNICK RIVER AND SOUTH MENOMONEE AND BURMAN CANALS, CONTROLLING AND PROJECT DEPTHS: 30 FEET IN LAKE APPROACH CHANNEL, 20 FEET IN THE ENTRANCE CHANNEL AND THE SOUTH OUTER HARBOR, 21 FEET IN THE NORTH OUTER HARBOR, 27 FEET IN THE KINNICKINNICK RIVER TO THE CHICAGO AND NORTH WESTERN RAILWAY BRIDGE AT MILE 1.0, THENCE 21 FEET TO SOUTH KINNICKINNICK AVENUE BRIDGE; 27 FEET IN MILWAUKEE RIVER TO THE CHICAGO AND NORTH WESTERN RAILWAY BRIDGE AT MILE 0.21, THENCE 21 FEET TO EAST BUFFALO STREET BRIDGE; 21 FEET IN MENOMONEE RIVER AND SOUTH MENOMONEE AND BURMAN CANALS.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	5,660,299	166,562	1976-----	3,946,787	115,442
1972-----	5,373,630	134,899	1977-----	3,946,382	116,455
1973-----	5,639,324	144,142	1978-----	4,497,949	113,381
1974-----	4,263,862	192,931	1979-----	4,679,888	101,686
1975-----	3,908,683	106,260	1980-----	4,679,566	97,681

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			LOCAL
		OVERSEAS		CANADIAN		LANESIDE		INTERNAL	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	SHIPMENTS	
TOTAL-----	4,079,906	69,900	905,189	228,525	1,107,598	2,124,498	48,342	2,945	929
0102 BARLEY AND RYE-----	480	-----	-----	-----	-----	-----	480	-----	-----
0103 CORN-----	1,289,080	-----	181,294	-----	1,103,806	-----	-----	-----	-----
0104 OATS-----	1,984	-----	1,481	-----	583	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	1,912	1,593	-----	319	-----	-----	-----	-----	-----
0129 FIELD CROPS, NEC-----	3	-----	5	-----	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	330	-----	50	-----	280	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	116	-----	85	-----	31	-----	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	2	-----	2	-----	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	1	-----	1	-----	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	36	-----	20	-----	-----	-----	-----	-----	529
1121 COAL AND LIGNITE-----	1,029,692	-----	-----	-----	-----	1,024,276	5,416	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	66,295	-----	-----	-----	-----	66,295	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	280,915	330	-----	165,629	-----	115,286	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	4,942	-----	4,937	-----	5	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	11,525	-----	11,332	-----	193	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	758	-----	637	-----	121	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	240	-----	240	-----	-----	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	6,068	-----	6,068	-----	-----	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	21	21	-----	-----	-----	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	1,137	941	191	-----	49	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	208	-----	208	-----	-----	-----	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	7,572	-----	7,572	-----	-----	-----	-----	-----	-----
2042 PREPARED ANIMAL FEEDS-----	5,474	369	2,311	-----	524	-----	2,270	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	82,876	-----	98,691	-----	-----	-----	24,186	-----	-----
2081 ALCOHOLIC BEVERAGES-----	3,856	3,841	-----	15	-----	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	3,617	-----	3,617	-----	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	9,493	176	8,475	-----	842	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	14,291	14,103	167	-----	21	-----	-----	-----	-----
2311 APPAREL-----	1,372	1	1,364	-----	7	-----	-----	-----	-----
2411 LOGS-----	18,070	-----	18,070	-----	-----	-----	-----	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	266	266	-----	18	-----	-----	-----	-----	-----
2421 LUMBER-----	774	-----	276	-----	-----	-----	388	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	6	-----	6	-----	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	236	-----	235	-----	1	-----	-----	-----	-----
2911 FURNITURE AND FIXTURES-----	86	86	91	-----	-----	-----	-----	-----	-----
2611 PULP-----	7,318	3	686	-----	-----	6,649	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	9,238	-----	-----	-----	-----	9,238	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	36,952	29,963	3,617	1,994	11	778	687	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	4,038	-----	93	-----	31	3,914	-----	-----	-----
2711 PRINTED MATTER-----	79	-----	69	-----	10	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	275	76	177	26	-----	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	926	-----	984	-----	22	-----	-----	-----	-----
2831 DRUGS-----	42	-----	42	-----	-----	-----	-----	-----	-----
2841 SOAP-----	265	115	146	-----	4	-----	-----	-----	-----
2851 PAINTS-----	389	389	26	-----	54	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	17,189	-----	-----	-----	-----	17,189	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	87	85	2	-----	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	11,141	3,476	44	117	-----	7,984	-----	-----	-----
2911 GASOLINE-----	262,683	-----	-----	-----	-----	262,683	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	118,217	-----	-----	-----	-----	118,217	-----	-----	-----
2919 RESIDUAL FUEL OIL-----	24,889	-----	-----	-----	-----	24,889	-----	-----	-----

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

MILWAUKEE HARBOR, WIS.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			
		OVERSEAS		CANADIAN		LAKEWISSE		INTERNAL	LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	SHIPMENTS	
2916 LUBRICATING OILS AND GREASES----	86	-----	86	-----	-----	-----	-----	-----	-----
3921 RUBBER AND MISC PLASTIC PROD----	332	47	111	-----	52	128	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS----	1,032	434	268	22	96	1,102	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS----	1	1	-----	-----	-----	-----	-----	-----	-----
3241 BUILDING CEMENT-----	472,677	-----	-----	47,846	-----	429,831	-----	-----	-----
3291 STRUCTURAL CLAY PRODUCTS----	21	21	-----	-----	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS----	673	541	132	-----	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD----	22	5	17	-----	-----	-----	-----	-----	-----
3312 SLAG-----	11,100	-----	-----	-----	-----	11,100	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS----	9,437	1,368	-----	16	-----	8,053	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET----	4,846	2,413	133	1,920	-----	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS----	1,299	-----	897	-----	-----	398	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE----	310	206	104	-----	-----	-----	-----	-----	-----
3318 FERROALLOYS-----	13,685	4,430	-----	11,059	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC----	210	91	149	-----	18	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	18	18	-----	-----	-----	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	147	147	-----	-----	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED----	179	179	-----	-----	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS----	915	250	377	-----	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL----	21,026	3,324	11,946	787	103	138	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	4,669	108	4,043	40	478	1,368	-----	2,949	-----
3711 MOTOR VEHICLES, PARTS, EQUIP----	20,601	271	2,393	-----	24	17,713	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	10	2	8	-----	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	48	1	47	-----	-----	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT----	13	-----	13	-----	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS----	133	2	104	-----	27	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS----	7,988	297	25	-----	-----	3,025	3,881	-----	-----
4011 IRON AND STEEL SCRAP-----	175,656	-----	171,435	-----	2,796	1,425	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	235	-----	235	-----	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	206	146	60	-----	-----	-----	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI----	42	-----	42	-----	-----	-----	-----	-----	-----

WAUKEGAN HARBOR, ILL.

SECTION INCLUDED: ARTIFICIAL HARBOR BASIN OF ABOUT 13.5 ACRES AND ENTRANCE CHANNEL FROM LAKE MICHIGAN APPROXIMATELY 2,000 FEET IN LENGTH. CONTROLLING AND PROJECT DEPTHS: 22 FEET IN ENTRANCE CHANNEL; 18 FEET BETWEEN PIERS AND INNER BASIN; 8 FEET IN ANCHORAGE AREA OF APPROXIMATELY 6 ACRES.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	588,866	1976-----	451,497
1972-----	436,710	1977-----	477,157
1973-----	590,436	1978-----	478,733
1974-----	474,335	1979-----	544,281
1975-----	341,781	1980-----	286,363

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISSE	LOCAL
		RECEIPTS	
TOTAL-----	286,363	286,343	20
0011 FRESH FISH, EXCEPT SHELLFISH----	20	-----	20
1494 GYPSUM, CRUDE AND PLASTERS----	124,619	124,619	-----
3241 BUILDING CEMENT-----	181,724	181,724	-----

CHICAGO HARBOR, ILL. (INCLUDED IN PORT OF CHICAGO)

SECTION INCLUDED: PROTECTED AREA ON LAKEFRONT FROM CAK STREET TO ROOSEVELT ROAD AND CHICAGO RIVER ENTRANCE TO RUSH STREET. CONTROLLING AND PROJECT DEPTHS: 29 FEET IN THE LAKE APPROACH CHANNEL, 28 FEET IN THE CHANNEL AND MANEUVER AREA TO THE EAST END OF NAVY PIER EXTENDED, THEN 21 FEET IN THE APPROACH TO THE LOCK AND IN THE CHICAGO RIVER ENTRANCE TO RUSH STREET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	656,455	404,220	1976-----	338,497	318,814
1972-----	548,305	440,600	1977-----	931,993	381,962
1973-----	483,945	366,160	1978-----	932,738	328,134
1974-----	317,398	359,331	1979-----	956,347	375,754
1975-----	322,899	346,822	1980-----	932,319	309,744

CHICAGO, ILL., DISTRICT

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CHICAGO HARBOR, ILL. (INCLUDED IN PORT OF CHICAGO)--CONTINUED

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN CANADIAN		DOMESTIC	
		IMPORTS	EXPORTS	RECEIPTS	LOCAL
TOTAL-----	532,315	275,488	184,795	147,184	4,968
1011 IRON ORE AND CONCENTRATES-----	2,575	2,575			
1499 NONMETALLIC MINERALS, NEC-----	121,205	121,205			
2001 SUGAR-----	144,422			144,422	
2631 PAPER AND PAPERBOARD-----	38,607	38,607			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	987	987			
2819 BASIC CHEMICALS AND PROD, NEC-----	40,313	40,313			
2871 NITROGENOUS CHEM FERTILIZERS-----	4,200		4,200		
2873 PHOSPHATIC CHEM FERTILIZERS-----	55,143	55,143			
2891 MISCELLANEOUS CHEMICAL PROD-----	9,838	9,838			
2915 RESIDUAL FUEL OIL-----	4,968				4,968
2920 COKE, PETROLEUM COKE-----	100,595		100,595		
3310 FERROALLOYS-----	6,800	6,800			
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,682			2,682	
TOTAL TON-MILES, 1,247,350.					

CHICAGO RIVER (MAIN AND NORTH BRANCH), ILL.
(INCLUDED IN PORT OF CHICAGO)

SECTION INCLUDED: MAIN RIVER FROM RUSH STREET TO JUNCTION OF NORTH AND SOUTH BRANCH; NORTH BRANCH TO NORTH AVENUE. CONTROLLING AND PROJECT DEPTHS: 21 FEET FROM RUSH STREET IN THE MAIN RIVER TO NORTH AVENUE IN THE NORTH BRANCH, INCLUDING THE NORTH BRANCH CANAL AND THE TURNING BASIN.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	3,671,793	1974-----	2,235,844
1972-----	3,968,587	1975-----	2,455,313
1973-----	3,480,644	1976-----	2,749,261
1974-----	2,538,927	1979-----	2,798,123
1975-----	2,660,434	1980-----	2,625,987

• PASSENGERS--46,900.

FREIGHT TRAFFIC, 1980

COASTWISE AND LAKEWISE

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC			
		COASTWISE THROUGH DOWNSOUND	RECEIPTS	SHIPMENTS	LAKEWISE THROUGH DOWNSOUND
TOTAL-----	701,190	200	135,797	1,261	46,688
2813 ALCOHOLS-----	1,326				1,326
2819 BASIC CHEMICALS AND PROD, NEC-----	176,369				176,369
2911 GASOLINE-----	3,744				3,744
2914 DISTILLATE FUEL OIL-----	41,561				24,363
2915 RESIDUAL FUEL OIL-----	327,210				17,167
2918 ASPHALT, TAR, AND PITCHES-----	13,702				13,702
3241 BUILDING CEMENT-----	135,797		135,797		
3511 MACHINERY, EXCEPT ELECTRICAL-----	200	200			
4011 IRON AND STEEL SCRAP-----	1,261			1,261	
TON-MILES, COASTWISE AND LAKEWISE, 703,712.					

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
					UPDOWN	DOWNSOUND
TOTAL-----	1,924,717	437,088	269,184	1,055,347	168,182	7,876
0911 FRESH FISH, EXCEPT SHELLFISH-----	48					48
1121 COAL AND LIGNITE-----	2,750	2,750				
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,248,742	222,758		1,026,984		
1499 NONMETALLIC MINERALS, NEC-----	149,846	106,576	21,987	16,483		
2014 TALLOW, ANIMAL FATS AND OILS-----	29,658		29,658			
2001 SUGAR-----	147,929	2,059	1,820		144,422	
2631 PAPER AND PAPERBOARD-----	16,763		16,763			
2810 SODIUM HYDROXIDE-----	16,048	16,048				
2819 BASIC CHEMICALS AND PROD, NEC-----	33,762	33,762				
2871 NITROGENOUS CHEM FERTILIZERS-----	12,998				12,998	
2915 RESIDUAL FUEL OIL-----	4,968					4,968
3314 IRON AND STEEL PRIMARY FORMS-----	1,744	1,744				
3315 IRON, STEEL SHAPES, EXC SHEET-----	20,616					
3316 IRON AND STEEL PLATES, SHEETS-----	11,338	9,057	1,821			1,260
3317 IRON AND STEEL PIPE AND TUBE-----	3,561	3,561				
3319 IRON AND STEEL PRODUCTS, NEC-----	12,981	12,981				
3411 FABRICATED METAL PRODUCTS-----	3,811	3,811				

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

CHICAGO RIVER (MAIN AND NORTH BRANCH), ILL.
(INCLUDED IN PORT OF CHICAGO)--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
					UPBOUND	DOWNBOUND
3911 MACHINERY, EXCEPT ELECTRICAL	3,482					800
4011 IRON AND STEEL SCRAP	207,924	1,297	194,787	11,880	2,682	
TON-MILES, INTERNAL,	3,292,849.					
TONS, ALL TRAFFIC,	2,825,907.					
TON-MILES, ALL TRAFFIC,	3,955,761.					

CHICAGO RIVER, SOUTH BRANCH, ILL. (INCLUDED IN PORT OF
CHICAGO, ALSO INCLUDED IN STATISTICS FOR ILLINOIS WATERWAY)

SECTION INCLUDED: DAMEN AVENUE TO LAKE STREET, CONTROLLING AND PROJECT DEPTHS: 9 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	5,046,929	1976	2,897,111
1972	4,937,336	1977	3,099,585
1973	4,636,427	1978	3,030,229
1974	3,661,106	1979	3,328,459
1975	3,420,145	1980*	3,510,705

* PASSENGERS--1,290.

FREIGHT TRAFFIC, 1980

COASTWISE AND LAKEWISE

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC			
		COASTWISE	LAKEWISE		
		THROUGH DOWNBOUND	SHIPMENTS	THROUGH UPBOUND	DOWNBOUND
TOTAL	566,793	200	1,400	46,600	518,593
2813 ALCOHOLS	1,326			1,326	
2819 BASIC CHEMICALS AND PROD, NEC	176,389				176,389
2911 GASOLINE	3,744			3,744	
2914 DISTILLATE FUEL OIL	41,561			24,363	17,198
2915 RESIDUAL FUEL OIL	327,210			17,167	310,043
2918 ASPHALT, TAR, AND BITUMENS	13,702				13,702
3911 MACHINERY, EXCEPT ELECTRICAL	200	200			
4011 IRON AND STEEL SCRAP	2,661		1,400		1,261
TON-MILES, COASTWISE AND LAKEWISE,	2,828,365.				

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
					UPBOUND	DOWNBOUND
TOTAL	2,943,912	899,903	87,416	31,930	1,639,057	285,612
0103 CORN	1,574		1,574			
0911 FRESH FISH, EXCEPT SHELLFISH	48			48		
1221 COAL AND LIGNITE	818,680	815,930			2,750	
1442 SAND, GRAVEL, CRUSHED ROCK	1,281,624			31,882	1,248,922	820
1499 NONMETALLIC MINERALS, NEC	192,052	47,006			122,359	22,687
2014 TALLOW, ANIMAL FATS AND OILS	29,656					29,656
2042 PREPARED ANIMAL FEEDS	1,571		1,571			
2049 GRAIN MILL PRODUCTS, NEC	3,095		3,095			
2061 SUGAR	147,309				146,481	1,028
2421 LUMBER	14,525	14,525				
2431 VENEER, PLYWOOD, WORKED WOOD	5,859	5,859				
2631 PAPER AND PAPERBOARD	16,703					16,703
2810 SODIUM HYDROXIDE	16,046				16,046	
2819 BASIC CHEMICALS AND PROD, NEC	33,792				33,792	
2821 PLASTIC MATERIALS	2,866	2,866				
2871 NITROGENOUS CHEM FERTILIZERS	12,998				12,998	
2915 RESIDUAL FUEL OIL	4,968					4,968
3314 IRON AND STEEL PRIMARY FORMS	1,744				1,744	
3319 IRON, STEEL SHAPES, EXC SHEET	25,136	4,520			20,616	
3316 IRON AND STEEL PLATES, SHEETS	14,996	2,858	800		9,057	2,281
3317 IRON AND STEEL PIPE AND TUBE	4,910	1,349			3,561	
3319 IRON AND STEEL PRODUCTS, NEC	15,752	2,771			12,981	
3411 FABRICATED METAL PRODUCTS	4,230	419			3,811	
3911 MACHINERY, EXCEPT ELECTRICAL	3,882	400			2,682	800
4011 IRON AND STEEL SCRAP	289,694	1,400	88,378		1,257	286,667
TON-MILES, INTERNAL,	10,642,752.					
TONS, ALL TRAFFIC,	3,510,705.					
TON-MILES, ALL TRAFFIC,	13,471,097.					

CHICAGO, ILL., DISTRICT

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CHICAGO SANITARY AND SHIP CANAL, ILL. (INCLUDED IN PORT OF CHICAGO, ALSO INCLUDED IN STATISTICS FOR ILLINOIS WATERWAY)

SECTION INCLUDED: CHICAGO SANITARY AND SHIP CANAL (CHICAGO DRAINAGE CANAL), DAMEN AVENUE, CHICAGO TO LOCKPORT, ILL. CONTROLLING AND PROJECT DEPTHS: 9 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	24,722,954	1976	23,629,761
1972	25,570,393	1977	21,826,537
1973	25,603,691	1978	19,942,488
1974	27,525,065	1979	20,813,114
1975	26,567,542	1980	22,687,576

* PASSENGERS--1,300.

FREIGHT TRAFFIC, 1980

COASTWISE AND LAKEWISE

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC					
		COASTWISE		THROUGH	LAKEWISE		THROUGH
		RECEIPTS	SHIPMENTS	UPBOUND	RECEIPTS	SHIPMENTS	DOWNBOUND
TOTAL	1,294,583	200	22,800	9,034	1,118,181	132,544	11,824
1471 PHOSPHATE ROCK	6,378			6,378			
1479 NATURAL FERTILIZER MATS, NEC	22,800		22,800				
2813 ALCOHOLS	4,647					4,647	
2819 BASIC CHEMICALS AND PROD, NEC	294,024				294,024		
2871 NITROGENOUS CHEM FERTILIZERS	22,282					22,282	
2879 FERTILIZER AND MATERIALS, NEC	2,656			2,656			
2911 GASOLINE	8,794				5,010	3,744	
2913 KEROSENE	2,133					2,133	
2914 DISTILLATE FUEL OIL	158,462				101,453	57,009	
2915 RESIDUAL FUEL OIL	699,133				665,919	24,051	9,163
2917 NAPHTHA, PETROLEUM SOLVENTS	18,037				9,117	12,918	
2918 ASPHALT, TAR, AND PITCHES	43,737				43,737		
3318 FERROALLOYS	1,519				1,519		
3511 MACHINERY, EXCEPT ELECTRICAL	200	200					
4011 IRON AND STEEL SCRAP	9,821				1,400	5,768	2,661
TON-MILES, COASTWISE AND LAKEWISE,	14,005,161.						

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
					UPBOUND	DOWNBOUND
TOTAL	21,392,993	7,673,505	4,542,172	2,475,649	3,663,111	3,038,556
0103 CORN	367,847		295,688	4,187		67,972
0107 WHEAT	49,879		8,654		19,191	31,064
0111 SOYBEANS	136,147		118,466			17,681
0119 OILSEEDS, NEC	1,259					1,259
1051 ALUMINUM ORES, CONCENTRATES	101,901				101,901	
1051 MANGANESE ORES, CONCENTRATES	23,880				23,880	
1051 NONFERROUS ORES, CONCENT, NEC	19,969	1,055			18,891	
1121 COAL AND LIGNITE	4,949,899	4,010,467	3,315		924,938	11,179
1411 LIMESTONE	8,114				8,114	
1442 SAND, GRAVEL, CRUSHED ROCK	3,566,755	924,556	784,573	1,585,980	269,666	
1492 SULPHUR, DRY	1,350		1,350			
1499 NONMETALLIC MINERALS, NEC	619,877	234,157	19,280	19,786	322,417	24,237
2014 TALLOW, ANIMAL FATS AND OILS	161,866				1,429	160,439
2042 PREPARED ANIMAL FEEDS	432,048		136,380	1,310		294,350
2049 GRAIN MILL PRODUCTS, NEC	64,064		9,590			54,474
2061 SUGAR	209,398	61,889			146,481	1,028
2062 MOLASSES	39,202				39,202	
2091 VEGETABLE OILS, MARG, SHORT	18,760		1,422		4,141	13,197
2421 LUMBER	22,807	300			22,507	
2431 VENEER, PLYWOOD, WORKED WOOD	5,859				5,859	
2611 PULP	14,410	3,930			10,480	
2631 PAPER AND PAPERBOARD	21,832				9,129	16,703
2810 SODIUM HYDROXIDE	293,981	232,073		1,171	60,737	
2811 CRUDE TAR, OIL, GAS PRODUCTS	51,108	1,362	42,791	2,894	1,311	2,750
2813 ALCOHOLS	260,812	251,695	267		8,650	
2817 BENZENE AND TOLUENE	133,450	21,174	61,845	1,397	19,596	29,938
2819 BASIC CHEMICALS AND PROD, NEC	809,486	380,338	76,636	17,159	330,114	5,239
2821 PLASTIC MATERIALS	2,869				2,869	
2871 NITROGENOUS CHEM FERTILIZERS	294,087	67,937			218,154	7,996
2873 PHOSPHATIC CHEM FERTILIZERS	33,175				33,175	
2879 FERTILIZER AND MATERIALS, NEC	8,020	4,820			3,200	
2891 MISCELLANEOUS CHEMICAL PROD	18,608	2,886	15,722			
2911 GASOLINE	183,648	2,356	121,799	38,193	21,300	
2912 JET FUEL	45,912	10,500	35,412			
2914 DISTILLATE FUEL OIL	347,098	41,963	27,472	268,769	2,634	6,260
2915 RESIDUAL FUEL OIL	1,422,369	286,350	565,896	427,800	11,913	130,350
2916 LUBRICATING OILS AND GRASSES	304,164	245,079		25,021	1,571	32,405
2917 NAPHTHA, PETROLEUM SOLVENTS	665,912	325,629	180,840	6,769	57,705	86,769
2918 ASPHALT, TAR, AND PITCHES	121,316	76,656	30,253	7,817		6,590
2920 COKE, PETROLEUM COKE	763,164	1,400	136,192	64,735	419,357	141,480
2991 PETROLEUM AND COAL PROD, NEC	26,495	23,797			2,698	
3241 BUILDING CEMENT	428,336	428,336				
3291 STRUCTURAL CLAY PRODUCTS	8,260				8,260	

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

CHICAGO SANITARY AND SHIP CANAL, ILL. (INCLUDED IN PORT OF CHICAGO, ALSO INCLUDED IN STATISTICS FOR ILLINOIS WATERWAY)--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
					UPBOUND	DOWNBOUND
3271 LIME-----	159,576	1,436			158,140	
3311 PIG IRON-----	17,600				9,442	8,158
3312 SLAG-----	66,789					66,789
3314 IRON AND STEEL PRIMARY FORMS-----	125,390	3,791	8,355		16,836	98,408
3315 IRON, STEEL SHAPES, EXC SHEET-----	326,978	9,727	8,800	800	54,582	255,069
3316 IRON AND STEEL PLATES, SHEETS-----	636,873	5,932	7,944		58,495	572,502
3317 IRON AND STEEL PIPE AND TUBE-----	51,994	1,123			38,646	14,222
3318 FERROALLOYS-----	170,755			1,353	184,870	4,522
3319 IRON AND STEEL PRODUCTS, NEC-----	298,563	6,329			24,249	267,965
3323 LEAD AND ZINC, UNWORKED-----	4,705	1,319			1,978	1,408
3324 ALUMINUM AND ALLOYS, UNWORKED-----	731				731	
3411 FABRICATED METAL PRODUCTS-----	32,048	1,293	1,661			23,384
3511 MACHINERY, EXCEPT ELECTRICAL-----	9,597				3,082	6,515
3731 SHIPS AND BOATS-----	46		46			
3791 MISC TRANSPORTATION EQUIPMENT-----	500			500		
4011 IRON AND STEEL SCRAP-----	653,598	1,250	61,246		15,533	575,569
4020 WASTE AND SCRAP, NEC-----	1,774,577		1,774,577			
4112 COMMODITIES, NEC-----	600					600
4119 EMPTY CONTAINERS-----	760	600			160	
TON-MILES, INTERNAL, 340,464,186.						
TONS, ALL TRAFFIC, 22,687,576.						
TON-MILES, ALL TRAFFIC, 354,469,347.						

CALUMET-SAG CHANNEL, ILL. (INCLUDED IN PORT OF CHICAGO; ALSO INCLUDED IN STATISTICS FOR ILLINOIS WATERWAY)

SECTION INCLUDED: CALUMET-SAG CHANNEL FROM ITS JUNCTION WITH CHICAGO SANITARY AND SHIP CANAL TO BLUE ISLAND, LITTLE CALUMET AND CALUMET RIVERS TO TURNING BASIN NO. 5. CONTROLLING AND PROJECT DEPTHS: 9 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	6,492,610	7,018	1976-----	6,466,901	1,650
1972-----	5,882,220	29,360	1977-----	6,343,439	1,620
1973-----	6,111,949	1,955	1978-----	6,834,231	1,200
1974-----	6,983,482	1,200	1979-----	5,830,427	1,290
1975-----	7,126,396	1,110	1980-----	6,842,097	1,300

FREIGHT TRAFFIC, 1980

COASTWISE AND LAKEWISE

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC			
		COASTWISE		LAKEWISE	
		RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND
TOTAL-----	775,579	9,034	5,372	87,768	610,012
1471 PHOSPHATE ROCK-----	6,378	6,378			
2813 ALCOHOLS-----	3,321			3,321	
2819 BASIC CHEMICALS AND PROD, NEC-----	117,635				117,635
2871 NITROGENOUS CHEM FERTILIZERS-----	22,282			22,282	
2879 FERTILIZER AND MATERIALS, NEC-----	2,656	2,656			
2911 GASOLINE-----	7,532		2,522		5,010
2912 JET FUEL-----	8,501		8,501		
2913 KEROSENE-----	2,133			2,133	
2914 DISTILLATE FUEL OIL-----	144,697		27,798	32,646	84,255
2915 RESIDUAL FUEL OIL-----	381,086			16,047	365,039
2916 LUBRICATING OILS AND GREASES-----	2,363		2,363		
2917 NAPHTHA, PETROLEUM SOLVENTS-----	35,620		17,583	12,918	5,119
2918 ASPHALT, TAR, AND PITCHES-----	30,035				30,035
3318 FERROALLOYS-----	1,519				1,519
4011 IRON AND STEEL SCRAP-----	9,821			8,421	1,400
TON-MILES, COASTWISE AND LAKEWISE, 17,649,258.					

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
					UPBOUND	DOWNBOUND
TOTAL-----	5,266,518	347,736	197,921	297,970	1,930,470	2,492,831
0103 CORN-----	70,585				4,187	66,398
0137 WHEAT-----	41,225				10,161	31,064
0111 SOYBEANS-----	17,681					17,681
0119 OILSEEDS, NEC-----	1,259					1,259
1031 ALUMINUM ORES, CONCENTRATES-----	101,901				101,901	

CHICAGO, ILL., DISTRICT

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CALUMET-SAG CHANNEL, ILL. (INCLUDED IN PORT OF CHICAGO;
ALSO INCLUDED IN STATISTICS FOR ILLINOIS WATERWAY)--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
					UPBOUND	DOWNBOUND
1061 MANGANESE ORES, CONCENTRATES-----	23,880				23,880	
1091 NONFERROUS ORES, CONCENT. NEC-----	18,801	9,371			9,371	
1121 COAL AND LIGNITE-----	117,437				186,250	11,179
1411 Limestone-----	8,144				8,114	
1442 SAND, GRAVEL, CRUSHED ROCK-----	139,506	49,512		92,620	1,376	
1499 NONMETALLIC MINERALS, NEC-----	171,005	13,879			194,960	2,250
2014 TALLOW, ANIMAL FATS AND OILS-----	132,216	1,429	74,666		56,115	
2042 PREPARED ANIMAL FEEDS-----	294,007				1,318	292,779
2049 GRAIN MILL PRODUCTS, NEC-----	51,379					51,379
2062 MOLASSES-----	39,202	29,463			9,739	
2091 VEGETABLE OILS, MARG, SHORT-----	17,330				4,141	13,197
2421 LUMBER-----	7,982				7,982	
2611 PULP-----	10,480				10,480	
2631 PAPER AND PAPERBOARD-----	5,129				5,129	
2810 SODIUM HYDROXIDE-----	45,862				44,691	1,171
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	4,061				1,311	2,750
2813 ALCOHOLS-----	8,890	1,867			6,983	
2817 BENZENE AND TOLUENE-----	49,534	1,347			18,249	29,936
2819 BASIC CHEMICALS AND PROD, NEC-----	307,463	163,933	3,909	9,902	132,309	1,640
2871 NITROGENOUS CHEM FERTILIZERS-----	213,152				205,156	7,996
2873 PHOSPHATIC CHEM FERTILIZERS-----	33,179				33,179	
2879 FERTILIZER AND MATERIALS, NEC-----	3,200	3,200				
2911 GASOLINE-----	59,403	21,300		38,193		
2914 DISTILLATE FUEL OIL-----	32,438		1,256		2,654	7,284
2915 RESIDUAL FUEL OIL-----	32,943	11,913	93,833	127,976	29,988	50,833
2916 LUBRICATING OILS AND GREASES-----	45,881			11,819	1,571	32,495
2917 NAPHTHA, PETROLEUM SOLVENTS-----	144,474	1,962	2,865		59,743	83,904
2918 ASPHALT, TAR, AND PITCHES-----	6,500		1,500			5,000
2920 COKE, PETROLEUM COKE-----	625,572	1,128			482,964	141,480
2991 PETROLEUM AND COAL PROD, NEC-----	2,698				2,698	
3251 STRUCTURAL CLAY PRODUCTS-----	8,260	1,449			6,811	
3271 LIME-----	158,140				158,140	
3311 PIG IRON-----	17,600				9,442	8,158
3312 SLAG-----	66,789					66,789
3314 IRON AND STEEL PRIMARY FORMS-----	113,508	4,096	1,875		10,996	96,533
3315 IRON, STEEL SHAPES, EXC SHEET-----	285,315	6,214	3,381		23,232	252,488
3316 IRON AND STEEL PLATES, SHEETS-----	808,001	4,083	9,261		34,497	560,160
3317 IRON AND STEEL PIPE AND TUBE-----	47,963	25,434			8,302	14,227
3318 FERROALLOYS-----	170,759				164,890	5,869
3319 IRON AND STEEL PRODUCTS, NEC-----	276,482		4,992		8,517	263,373
3323 LEAD AND ZINC, UNWORKED-----	3,386				1,978	1,408
3324 ALUMINUM AND ALLOYS, UNWORKED-----	731				731	
3411 FABRICATED METAL PRODUCTS-----	24,864				1,480	23,384
3511 MACHINERY, EXCEPT ELECTRICAL-----	5,715		83			5,632
4011 IRON AND STEEL SCRAP-----	313,288		1,408		24,756	287,132
4112 COMMODITIES, NEC-----	600					600
4119 EMPTY CONTAINERS-----	160	160				
TON-MILES, INTERNAL.	119,429,839.					
TONS, ALL TRAFFIC.	6,042,097.					
TON-MILES, ALL TRAFFIC.	137,079,097.					

LAKE CALUMET, ILL. (INCLUDED IN PORT OF CHICAGO)

SECTION INCLUDED: ENTRANCE CHANNEL FROM THE CALUMET RIVER TO A HARBOR AREA AT SOUTH END OF LAKE WITH A CHANNEL EXTENDING NORTHWARD FOR A DISTANCE OF 3,000 FEET AND A WIDTH OF 1,000 FEET. CONTROLLING AND PROJECT DEPTHS: 27 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	2,443,236		1976-----	1,752,289	1,600
1972-----	2,085,342	28,000	1977-----	1,354,761	3,240
1973-----	2,281,365		1978-----	1,814,313	
1974-----	1,912,743	1,200	1979-----	2,312,113	
1975-----	1,547,498	1,200	1980-----	1,314,538	

FREIGHT TRAFFIC, 1980

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
TOTAL-----	315,398	86,849	132,043	27,975	68,231
0103 CORN-----	40,312		16,414		23,898
0104 OATS-----	304		141		163
0105 RICE-----	13	13			
0107 WHEAT-----	66		66		
0111 SOYBEANS-----	13,095				13,095
0121 TOBACCO, LEAF-----	3,133	2,734		399	
0129 FIELD CROPS, NEC-----	99	99			
0141 FRESH AND FROZEN VEGETABLES-----	2	2			

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

LAKE CALUMNEY, ILL. (INCLUDED IN PORT OF CHICAGO)--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
0161 ANIMALS AND PRODUCTS, NEC	37		37		
0191 MISCELLANEOUS FARM PRODUCTS	14	14			
0861 FOREST PRODUCTS, NEC	15	15			
1091 ALUMINUM ORES, CONCENTRATES	1		1		
1442 SAND, GRAVEL, CRUSHED ROCK	232		61		171
1451 CLAY	8,171	68	8,103		
1492 SULPHUR, DRY	2				
1499 NONMETALLIC MINERALS, NEC	13,525	87	66	13,372	
1911 ORDNANCE AND ACCESSORIES	27	8	19		
2014 TALLOW, ANIMAL FATS AND OILS	31,874		31,874		
2015 ANIMAL BY-PRODUCTS, NEC	312		236		76
2031 FISH AND SHELLFISH, PREPARED	4	4			
2034 VEGETABLES AND PREP, NEC	155	69	43		43
2039 PREP FRUIT AND VEG JUICE, NEC	29	1		28	
2041 WHEAT FLOUR AND SEMOLINA	9,331		9,048		283
2042 PREPARED ANIMAL FEEDS	395	62	293		40
2049 GRAIN MILL PRODUCTS, NEC	17,929	15	16,922	42	950
2081 ALCOHOLIC BEVERAGES	4,090	3,847	106	121	16
2091 VEGETABLE OILS, MARG, SHORT	1,803		1,694		109
2099 MISCELLANEOUS FOOD PRODUCTS	1,588	334	838	16	400
2211 BASIC TEXTILE PRODUCTS	270	29	192		49
2212 TEXTILE FIBERS, NEC	1,066	1,066			
2311 APPAREL	21	19	2		
2411 LOGS	1,343		1,343		
2431 VENEER, PLYWOOD, WORKED WOOD	21	21			
2491 WOOD MANUFACTURES, NEC	134	4	106		24
2511 FURNITURE AND FIXTURES	127	92	22	11	2
2611 PULP	15	15			
2631 PAPER AND PAPERBOARD	406	2	347	10	47
2691 PULP AND PAPER PRODUCTS, NEC	101	2	73		26
2711 PRINTED MATTER	1,082	23	980		79
2811 CRUDE TAR, OIL, GAS PRODUCTS	3,419			3,419	
2819 BASIC CHEMICALS AND PROD, NEC	10,433	23	577	9,668	165
2821 PLASTIC MATERIALS	216	18	158		40
2822 SYNTHETIC RUBBER	67				67
2831 DRUGS	197	90	49	51	7
2841 SOAP	164		37		131
2851 PAINTS	232	176	19	22	15
2861 GUM AND WOOD CHEMICALS	32		16		16
2876 INSECTICIDES, DISINFECTANTS	48				48
2879 FERTILIZER AND MATERIALS, NEC	65			65	
2891 MISCELLANEOUS CHEMICAL PROD	1,686	468	817		401
2911 GASOLINE	7		7		
2916 LUBRICATING OILS AND GREASES	6,243	16	86		6,141
2920 COKE, PETROLEUM COKE	20,125				20,125
2991 PETROLEUM AND COAL PROD, NEC	10		10		
3011 RUBBER AND MISC PLASTIC PROD	193	47	68	21	57
3111 LEATHER AND LEATHER PRODUCTS	15	15			
3211 GLASS AND GLASS PRODUCTS	278	95	177	2	4
3251 STRUCTURAL CLAY PRODUCTS	431	431			
3281 CUT STONE AND STONE PRODUCTS	842	842			
3291 MISC NONMETALLIC MINERAL PROD	129	60	60		9
3314 IRON AND STEEL PRIMARY FORMS	263	263			
3315 IRON, STEEL SHAPES, EXC SHEET	60,581	59,947	404	230	
3316 IRON AND STEEL PLATES, SHEETS	34,579	230	34,349		
3317 IRON AND STEEL PIPE AND TUBE	5,309	5,264	33	1	11
3319 IRON AND STEEL PRODUCTS, NEC	527	422	64		41
3321 NONFERROUS METALS, NEC	66		36		30
3322 COPPER ALLOYS, UNWORKED	200	132	47	2	19
3323 LEAD AND ZINC, UNWORKED	5,560	5,543		17	
3324 ALUMINUM AND ALLOYS, UNWORKED	111	2	1		108
3411 FABRICATED METAL PRODUCTS	1,681	344	856	89	392
3511 MACHINERY, EXCEPT ELECTRICAL	4,539	2,107	2,012	70	350
3611 ELECTRICAL MACH AND EQUIP	1,160	292	648	4	216
3711 MOTOR VEHICLES, PARTS, EQUIP	1,424	360	931		133
3731 SHIPS AND BOATS	1				
3791 MISC TRANSPORTATION EQUIPMENT	460	62	103	245	50
3811 INSTR, TIME, PHOTO, OPT GOODS	87	7	63		17
3911 MISC MANUFACTURED PRODUCTS	458	144	190	5	119
4011 IRON AND STEEL SCRAP	1,176		1,176		
4012 NONFERROUS METAL SCRAP	889		847		42
4112 COMMODITIES, NEC	283	207	5	65	6
9999 DEPARTMENT OF DEFENSE AND SCI	72		72		
TON-MILES, FOREIGN,		315,398.			

DOMESTIC
(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE		INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL	999,140	265,420	62,098	471,961	194,163	5,498
0103 CORN	1,949				1,949	
0111 SOYBEANS	1,469				1,469	
1121 COAL AND LIGNITE	1,400			1,400		
1411 LIMESTONE	23,410	22,000		1,410		
1499 NONMETALLIC MINERALS, NEC	29,523	24,115		1,408		

CHICAGO, ILL., DISTRICT

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LAKE CALUMET, ILL. (INCLUDED IN PORT OF CHICAGO)--CONTINUED

FREIGHT TRAFFIC, 1988--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	LAKEWIDE		INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
2044 TALLOW, ANIMAL FATS AND OILS----	51,292				51,292	
2042 PREPARED ANIMAL FEEDS-----	10,348				10,348	
2049 GRAIN MILL PRODUCTS, NEC-----	2,377				2,377	
2062 MOLASSES-----	1,476			1,476		
2091 VEGETABLE OILS, MARG, SHORT-----	2,751			2,751		
2421 LUMBER-----	2,634			2,634		
2611 PULP-----	10,480			10,480		
2631 PAPER AND PAPERBOARD-----	2,417			2,417		
2810 SODIUM HYDROXIDE-----	44,642			43,491		1,151
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	4,041			1,311	2,750	
2813 ALCOHOLS-----	6,983			6,983		
2817 BENZENE AND TOLUENE-----	35,266	17,037		18,249		
2819 BASIC CHEMICALS AND PROD, NEC-----	192,214	7,852	33,698	130,764		
2873 PHOSPHATIC CHEM FERTILIZERS-----	3,010			3,010		
2917 NAPHTHA, PETROLEUM SOLVENTS-----	219,843	140,969		49,107	34,107	
2920 COKE, PETROLEUM COKE-----	17,170			4,911	12,259	
3271 LIME-----	146,539			146,539		
3312 SLAG-----	25,696	8,961	8,908		8,235	
3314 IRON AND STEEL PRIMARY FORMS-----	6,761			6,761		
3315 IRON, STEEL SHAPES, EXC SHEET-----	23,486	1,300		15,523	6,663	
3316 IRON AND STEEL PLATES, SHEETS-----	50,525	21,547		8,105	18,073	2,800
3317 IRON AND STEEL PIPE AND TUBE-----	3,130			3,130		
3318 FERROALLOYS-----	5,029			5,029		
3319 IRON AND STEEL PRODUCTS, NEC-----	26,371	17,200		7,630	1,541	
3323 LEAD AND ZINC, UNWORKED-----	1,408				1,408	
3411 FABRICATED METAL PRODUCTS-----	1,088			78	938	
4011 IRON AND STEEL SCRAP-----	48,492	4,839		1,364	40,722	1,927
TON-MILES, DOMESTIC, 796,251.						
TONS, ALL TRAFFIC, 1,314,538.						
TON-MILES, ALL TRAFFIC, 1,111,649.						

CALUMET HARBOR AND RIVER, ILL. AND IND.
(INCLUDED IN PORT OF CHICAGO)

SECTION INCLUDED: CALUMET HARBOR AND RIVER TO TURNING BASIN NO. 5, CONTROLLING AND PROJECT DEPTHS; 20 FEET IN APPROACH CHANNEL, 20 FEET IN HARBOR, 27 FEET IN RIVER ENTRANCE CHANNEL TO E. J. & E. R.R. BRIDGE, AND 27 FEET IN RIVER TO AND INCLUDING BASIN NO. 5.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	27,113,970	1976-----	22,010,017
1972-----	25,431,158	1977-----	19,738,037
1973-----	26,677,117	1978-----	29,242,282
1974-----	24,589,869	1979-----	24,014,032
1975-----	22,032,026	1980-----	18,419,499

* PASSENGERS--1,300.

FREIGHT TRAFFIC, 1980

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS				CANADIAN			
		IMPORTS	EXPORTS	THROUGH		IMPORTS	EXPORTS	THROUGH	
				EASTBOUND	WESTBOUND			EASTBOUND	WESTBOUND
TOTAL-----	3,972,384	575,401	704,120	132,943	86,249	968,619	1,408,846	81,389	14,817
0103 CORN-----	738,812		152,889	16,414			545,611	23,898	
0104 OATS-----	405		101	141				143	
0105 RICE-----	13				13				
0107 WHEAT-----	66			66					
0111 SOYBEANS-----	133,889		113,994				7,200	13,095	
0121 TOBACCO, LEAF-----	6,759	3,221			2,734	405			399
0129 FIELD CROPS, NEC-----	110	19			99				
0141 FRESH AND FROZEN VEGETABLES-----	16	14							
0161 ANIMALS AND PRODUCTS, NEC-----	131	94		37	2				
0191 MISCELLANEOUS FARM PRODUCTS-----	17	3			14				
0861 FOREST PRODUCTS, NEC-----	22	7			15				
1011 IRON ORE AND CONCENTRATES-----	574,968	85,077				489,691			
1051 ALUMINUM ORES, CONCENTRATES-----	0	8		1					
1121 COAL AND LIGNITE-----	7,435						7,435		
1442 SAND, GRAVEL, CRUSHED ROCK-----	457		225	81				171	
1451 CLAY-----	206,842	137	130,643	8,103	68		67,891		
1492 SULPHUR, DRY-----	2		2						
1499 NONMETALLIC MINERALS, NEC-----	326,769	1	66	87		313,243		13,198	214
1911 ORDNANCE AND ACCESSORIES-----	29	2		19	8				
2012 MEAT AND PRODUCTS, NEC-----	3	3							
2014 TALLOW, ANIMAL FATS AND OILS-----	43,887		11,993	31,874					
2019 ANIMAL BY-PRODUCTS, NEC-----	314		2	236				76	
2031 FISH AND SHELLFISH, PREPARED-----	12	8			4				
2034 VEGETABLES AND PREP, NEC-----	410	141	93	43	69	1		43	
2039 PREP FRUIT AND VEG JUICE, NEC-----	54	25			1				28
2041 WHEAT FLOUR AND SEMOLINA-----	19,153		5,822	9,048				283	

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

CALUMET HARBOR AND RIVER, ILL. AND IND.
(INCLUDED IN PORT OF CHICAGO)--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS				CANADIAN			
		IMPORTS	EXPORTS	THROUGH		IMPORTS	EXPORTS	THROUGH	
				EASTBOUND	WESTBOUND			EASTBOUND	WESTBOUND
2042 PREPARED ANIMAL FEEDS-----	6,839	9	5,595	293	62	---	40	48	---
2049 GRAIN MILL PRODUCTS, NEC-----	10,365	102	297	16,922	15	9	28	998	42
2081 ALCOHOLIC BEVERAGES-----	12,910	8,573	---	100	3,847	247	---	16	121
2091 VEGETABLE OILS, MARG, SHORT-----	1,961	49	91	1,094	---	---	10	109	---
2099 MISCELLANEOUS FOOD PRODUCTS-----	3,068	781	597	838	334	49	53	408	16
2211 BASIC TEXTILE PRODUCTS-----	385	44	28	192	29	43	3	49	---
2212 TEXTILE FIBERS, NEC-----	1,066	---	---	---	1,066	---	---	---	---
2311 APPAREL-----	26	5	---	2	19	---	---	---	---
2411 LOGS-----	2,216	---	873	1,343	---	---	---	---	---
2431 VENEER, PLYWOOD, WORKED WOOD-----	21	---	---	---	21	---	---	---	---
2491 WOOD MANUFACTURES, NEC-----	1,185	384	687	106	4	---	---	24	---
2511 FURNITURE AND FIXTURES-----	178	30	21	22	92	---	---	2	11
2611 PULP-----	15	---	---	---	15	---	---	---	---
2631 PAPER AND PAPERBOARD-----	753	69	251	347	2	8	19	47	10
2691 PULP AND PAPER PRODUCTS, NEC-----	148	10	27	73	2	---	9	24	---
2711 PRINTED MATTER-----	1,186	42	60	980	23	---	---	79	---
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	10,944	---	---	---	---	7,548	---	---	3,419
2819 BASIC CHEMICALS AND PROD. NEC-----	84,828	4,901	945	577	23	66,826	23	145	9,668
2821 PLASTIC MATERIALS-----	946	293	74	158	18	---	3	48	---
2822 SYNTHETIC RUBBER-----	67	---	---	---	---	---	---	67	---
2831 DRUGS-----	305	96	12	49	90	---	---	7	54
2841 SOAP-----	277	30	67	33	---	---	8	131	---
2891 PAINTS-----	995	703	46	19	176	---	14	15	22
2891 GUM AND WOOD CHEMICALS-----	36	---	4	16	---	---	---	16	---
2873 PHOSPHATIC CHEM FERTILIZERS-----	58,651	---	---	---	---	58,651	---	---	---
2876 INSECTICIDES, DISINFECTANTS-----	48	---	---	---	---	---	---	48	---
2879 FERTILIZER AND MATERIALS, NEC-----	65	---	---	---	---	---	---	---	65
2891 MISCELLANEOUS CHEMICAL PROD-----	24,870	712	1,012	817	468	21,331	129	401	---
2911 GASOLINE-----	25	---	18	7	---	---	---	---	---
2916 LUBRICATING OILS AND GREASES-----	16,173	3	1	86	16	9,924	---	6,141	---
2920 COKE, PETROLEUM COKE-----	1,002,144	17,535	210,165	---	---	754,319	---	20,125	---
2921 LIQUEFIED GASES-----	60	---	---	---	---	---	---	---	---
2991 PETROLEUM AND COAL PROD, NEC-----	30	20	---	10	---	---	---	---	---
3011 RUBBER AND MISC PLASTIC PROD-----	447	197	96	68	47	---	1	97	21
3111 LEATHER AND LEATHER PRODUCTS-----	24	9	---	---	15	---	---	---	---
3211 GLASS AND GLASS PRODUCTS-----	517	220	18	177	95	---	---	4	2
3291 STRUCTURAL CLAY PRODUCTS-----	587	156	---	---	431	---	---	---	---
3291 CUT STONE AND STONE PRODUCTS-----	873	---	---	---	842	---	---	---	---
3291 MISC NONMETALLIC MINERAL PROD-----	293	148	---	60	60	14	---	9	---
3314 IRON AND STEEL PRIMARY FORMS-----	22,473	7,660	---	---	263	---	14,950	---	---
3319 IRON, STEEL SHAPES, EXC SHEET-----	439,350	377,794	265	404	59,947	710	---	---	230
3316 IRON AND STEEL PLATES, SHEETS-----	100,341	1,246	64,516	34,349	230	---	---	---	---
3317 IRON AND STEEL PIPE AND TUBE-----	7,999	2,228	41	33	5,264	19	2	11	1
3318 FERROALLOYS-----	33,500	28,076	---	---	5,424	---	---	---	---
3319 IRON AND STEEL PRODUCTS, NEC-----	6,342	4,509	---	64	422	---	1,306	41	---
3321 NONFERROUS METALS, NEC-----	1,142	989	87	36	---	---	---	38	---
3322 COPPER ALLOYS, UNWORKED-----	419	217	2	47	132	---	---	19	2
3323 LEAD AND ZINC, UNWORKED-----	10,617	4,639	---	---	5,943	418	---	---	17
3324 ALUMINUM AND ALLOYS, UNWORKED-----	4,579	634	6	1	2	3,020	---	188	---
3411 FABRICATED METAL PRODUCTS-----	6,234	4,165	349	856	344	19	20	392	89
3511 MACHINERY, EXCEPT ELECTRICAL-----	13,430	7,622	1,112	2,012	2,107	48	89	350	76
3611 ELECTRICAL MACH AND EQUIP-----	1,898	391	325	648	292	6	14	216	4
3711 MOTOR VEHICLES, PARTS, EQUIP-----	3,433	1,449	518	931	360	40	2	133	---
3731 SHIPS AND BOATS-----	1	---	---	---	1	---	---	---	---
3791 MISC TRANSPORTATION EQUIPMENT-----	7,749	7,150	32	103	62	103	4	98	245
3811 INSTR, TIME, PHOTO, OPT GOODS-----	132	17	28	63	7	---	---	17	---
3911 MISC MANUFACTURED PRODUCTS-----	1,051	417	152	190	144	---	24	119	3
4011 IRON AND STEEL SCRAP-----	1,176	---	---	1,176	---	---	---	---	---
4012 NONFERROUS METAL SCRAP-----	1,327	---	337	847	---	---	101	42	---
4112 COMMODITIES, NEC-----	605	302	2	5	207	18	---	6	65
9999 DEPARTMENT OF DEFENSE AND SCI-----	72	---	---	72	---	---	---	---	---
TON-MILES, FOREIGN,	5,949,374.	---	---	---	---	---	---	---	---

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE		INTERNAL		LOCAL	THROUGH	
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS		EASTBOUND	WESTBOUND
TOTAL-----	12,443,115	5,196,261	2,389,962	597,062	878,805	145,243	982,405	2,333,377
0103 CORN-----	68,636	-----	-----	-----	64,449	4,187	-----	-----
0107 WHEAT-----	41,225	-----	-----	10,161	31,064	-----	-----	-----
0111 SOYBEANS-----	16,212	-----	-----	-----	16,212	-----	-----	-----
0119 OILSEEDS, NEC-----	1,259	-----	-----	-----	1,259	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	3,833,891	3,833,891	-----	-----	-----	-----	-----	-----
1031 ALUMINUM ORES, CONCENTRATES-----	103,392	1,491	-----	-----	-----	-----	101,901	-----
1061 MANGANESE ORES, CONCENTRATES-----	25,352	1,472	-----	2,083	-----	-----	21,797	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	9,520	-----	-----	3,974	-----	-----	5,546	-----
1121 COAL AND LIGNITE-----	2,391,568	-----	2,275,331	100,853	11,179	-----	4,085	-----
1411 LIMESTONE-----	1,312,652	1,283,948	-----	6,704	-----	-----	-----	22,880
1421 SAND, GRAVEL, CRUSHED ROCK-----	1,376	-----	-----	-----	-----	-----	1,376	-----
1499 NONMETALLIC MINERALS, NEC-----	181,671	1,754	-----	116,669	850	-----	36,883	25,515
2014 YALLOW, ANIMAL FATS AND OILS-----	4,863	-----	-----	-----	-----	-----	-----	4,863
2042 PREPARED ANIMAL FEEDS-----	283,749	-----	-----	-----	282,431	1,318	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	49,002	-----	-----	-----	49,002	-----	-----	-----
2062 MOLASSES-----	8,263	-----	-----	8,263	-----	-----	-----	-----

CHICAGO, ILL., DISTRICT

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CALUMET HARBOR AND RIVER, ILL. AND IND.
(INCLUDED IN PORT OF CHICAGO)--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE		INTERNAL		LOCAL	THROUGH	
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS		BASEBOARDS	DECKBOARDS
2091 VEGETABLE OILS, MARG, SHORT	14,387			1,399	13,197			
2421 LUMBER	5,348						5,348	
2631 PAPER AND PAPERBOARD	2,712						2,712	
2810 SODIUM HYDROXIDE	1,200						1,200	
2811 CRUDE TAR, OIL, GAS PRODUCTS	7,689	7,689						
2813 ALCOHOLS	3,321						3,321	
2817 BENZENE AND TOLUENE	46,975							46,975
2819 BASIC CHEMICALS AND PROD, NEC	182,350			1,625			53,508	127,127
2871 NITROGENOUS CHEM FERTILIZERS	256,270		20,836	38,583	3,688		188,935	4,396
2873 PHOSPHATIC CHEM FERTILIZERS	30,165			16,637			13,528	
2911 GASOLINE	11,324		3,792					7,532
2912 JET FUEL	8,501							8,501
2913 KEROSENE	2,133						2,133	
2914 DISTILLATE FUEL OIL	162,008		5,663			4,638	39,286	117,059
2915 RESIDUAL FUEL OIL	511,974	90,124				52,608	4,884	482,256
2916 LUBRICATING OILS AND GREASES	36,489						3,934	32,495
2917 NAPHTHA, PETROLEUM SOLVENTS	239,247	2,785					23,594	212,988
2918 ASPHALT, TAR, AND BITUMENS	35,125							35,125
2920 COKE, PETROLEUM COKE	699,163	10,081	81,688	171,138	33,139	64,735	247,400	96,682
2991 PETROLEUM AND COAL PROD, NEC	2,698						2,698	
3291 STRUCTURAL CLAY PRODUCTS	6,811						6,811	
3271 LIME	11,601			1,421			10,180	
3311 PIG IRON	17,600			1,671			7,771	8,158
3312 SLAG	76,015				3,987		8,588	63,558
3314 IRON AND STEEL PRIMARY FORMS	100,768				33,425		4,235	63,108
3315 IRON, STEEL SHAPES, EXC SHEET	255,693			2,921	77,998	1,659	4,788	168,335
3316 IRON AND STEEL PLATES, SHEETS	594,596	1,770		7,266	77,718	2,800	19,166	485,514
3317 IRON AND STEEL PIPE AND TUBE	19,399			1,893	6,795		3,279	7,432
3318 FERROALLOYS	168,643	1,418		99,779	4,512	1,353	68,082	1,919
3319 IRON AND STEEL PRODUCTS, NEC	279,919				48,963		887	238,069
3323 LEAD AND ZINC, UNWORKED	1,978			1,978				
3324 ALUMINUM AND ALLOYS, UNWORKED	731			731				
3411 FABRICATED METAL PRODUCTS	24,428		972	1,402	4,934			17,520
3511 MACHINERY, EXCEPT ELECTRICAL	5,632				2,319			3,313
4011 IRON AND STEEL SCRAP	286,835		2,500		111,210	11,753	19,933	141,439
4112 COMMODITIES, NEC	600				600			
TON-MILES, DOMESTIC	57,399,205							
TONS, ALL TRAFFIC	10,415,499							
TON-MILES, ALL TRAFFIC	62,948,579							

PORT OF CHICAGO, ILL.

SECTION INCLUDED: CHICAGO HARBOR, CHICAGO RIVER, MAIN AND NORTH BRANCH, CHICAGO RIVER, SOUTH BRANCH, CHICAGO SANITARY AND SHIP CANAL, CALUMET-SAG CHANNEL AND LAKE CALUMET, ILL., CALUMET HARBOR AND RIVER, ILL. AND IND. CONTROLLING AND PROJECT DEPTHS: SEE CHICAGO HARBOR, CHICAGO RIVER, MAIN AND NORTH BRANCH, CHICAGO RIVER, SOUTH BRANCH, CHICAGO SANITARY AND SHIP CANAL, CALUMET-SAG CHANNEL AND LAKE CALUMET, ILL., CALUMET HARBOR AND RIVER, ILL. AND IND.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	47,430,340	484,228	1976	48,574,524	319,648
1972	46,838,259	488,400	1977	38,136,148	381,582
1973	47,381,242	368,140	1978	39,698,722	327,582
1974	45,885,379	380,811	1979	38,698,988	373,754
1975	42,589,058	347,032	1980	32,993,244	365,744

FREIGHT TRAFFIC, 1980

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
TOTAL	4,352,627	661,650	837,063	1,272,082	1,981,832
0103 CORN	738,812		169,303		569,509
0104 OATS	489		242		163
0105 RICE	13	13			
0107 WHEAT	86		86		
0111 SOYBEANS	133,889		113,594		20,295
0121 TOBACCO, LEAF	6,759	5,958		804	
0129 FIELD CROPS, NEC	110	110			
0141 FRESH AND FROZEN VEGETABLES	16	16			
0161 ANIMALS AND PRODUCTS, NEC	131	94	37		
0191 MISCELLANEOUS FARM PRODUCTS	17	17			
0801 FOREST PRODUCTS, NEC	22	22			
1011 IRON ORE AND CONCENTRATES	577,543	89,877		488,466	
1051 ALUMINUM ORES, CONCENTRATES	9	8			
1121 COAL AND LIGNITE	7,435				7,435
1402 SAND, GRAVEL, CRUSHED ROCK	457		286		171
1451 CLAY	206,842	205	138,746		67,891

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

PORT OF CHICAGO, ILL.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
1492 SULPHUR, DRY-----	2	2	2		
1499 NONMETALLIC MINERALS, NEC-----	447,974	88	66	447,620	
1911 ORDNANCE AND ACCESSORIES-----	29	10	19		
2012 MEAT AND PRODUCTS, NEC-----	3	3			
2014 TALLOW, ANIMAL FATS AND OILS-----	43,867		43,867		
2015 ANIMAL BY-PRODUCTS, NEC-----	314		238		76
2031 FISH AND SHELLFISH, PREPARED-----	12	12			
2034 VEGETABLES AND PREP, NEC-----	410	230	136	1	43
2039 PREP FRUIT AND VEG JUICE, NEC-----	54	26		28	
2041 WHEAT FLOUR AND SEMOLINA-----	15,153		14,878		283
2042 PREPARED ANIMAL FEEDS-----	6,039	71	5,888		80
2049 GRAIN MILL PRODUCTS, NEC-----	18,385	117	17,219	51	978
2081 ALCOHOLIC BEVERAGES-----	12,910	12,428	104	388	16
2091 VEGETABLE OILS, WARD, SHORT-----	1,981	49	1,785		127
2099 MISCELLANEOUS FOOD PRODUCTS-----	3,068	1,115	1,435	65	453
2211 BASIC TEXTILE PRODUCTS-----	388	73	220	43	52
2212 TEXTILE FIBERS, NEC-----	1,066	1,066			
2311 APPAREL-----	26	24	2		
2411 LOGS-----	2,216		2,216		
2431 VENEER, PLYWOOD, WORKED WOOD-----	21	21			
2491 WOOD MANUFACTURES, NEC-----	1,185	388	773		24
2511 FURNITURE AND FIXTURES-----	178	122	43	11	2
2611 PULP-----	15	15			
2631 PAPER AND PAPERBOARD-----	39,360	71	598	38,625	66
2691 PULP AND PAPER PRODUCTS, NEC-----	148	12	100	1	35
2711 PRINTED MATTER-----	1,186	65	1,040		81
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	11,951			11,951	
2819 BASIC CHEMICALS AND PROD, NEC-----	125,141	6,924	1,522	116,507	188
2821 PLASTIC MATERIALS-----	546	271	232		43
2822 SYNTHETIC RUBBER-----	67				67
2831 DRUGS-----	305	184	61	51	7
2841 SOAP-----	277	38	100		139
2851 PAINTS-----	995	879	65	22	29
2861 GUM AND WOOD CHEMICALS-----	36		20		16
2871 NITROGENOUS CHEM FERTILIZERS-----	4,200				4,200
2873 PHOSPHATIC CHEM FERTILIZERS-----	113,814			113,814	
2876 INSECTICIDES, DISINFECTANTS-----	48				48
2879 FERTILIZER AND MATERIALS, NEC-----	65			65	
2891 MISCELLANEOUS CHEMICAL PROD-----	34,708	1,180	1,829	31,109	530
2911 GASOLINE-----	25		25		
2914 LUBRICATING OILS AND GREASES-----	16,173	19	87		16,067
2920 COKE, PETROLEUM COKE-----	1,102,699	17,939	210,165		874,999
2921 LIQUEFIED GASES-----	60				
2991 PETROLEUM AND COAL PROD, NEC-----	30	20	18		
3011 RUBBER AND MISC PLASTIC PROD-----	447	244	124	21	58
3111 LEATHER AND LEATHER PRODUCTS-----	24	24			
3211 GLASS AND GLASS PRODUCTS-----	517	315	196	2	4
3251 STRUCTURAL CLAY PRODUCTS-----	587	987			
3281 CUT STONE AND STONE PRODUCTS-----	873	873			
3291 MISC NONMETALLIC MINERAL PROD-----	293	208	60	16	9
3314 IRON AND STEEL PRIMARY FORMS-----	22,473	7,923			14,550
3315 IRON, STEEL SHAPES, EXC SHEET-----	439,350	437,741	669	940	
3316 IRON AND STEEL PLATES, SHEETS-----	100,341	1,476	98,865		
3317 IRON AND STEEL PIPE AND TUBE-----	7,599	7,492	74	20	13
3318 FERROALLOYS-----	40,300	28,876		12,224	
3319 IRON AND STEEL PRODUCTS, NEC-----	6,342	4,931	64		1,347
3321 NONFERROUS METALS, NEC-----	1,142	989	123		30
3322 COPPER ALLOYS, UNWORKED-----	419	349	49		19
3323 LEAD AND ZINC, UNWORKED-----	10,817	10,182		2	
3324 ALUMINUM AND ALLOYS, UNWORKED-----	4,579	4,536	7	435	
3411 FABRICATED METAL PRODUCTS-----	6,234	4,309	1,205	3,628	188
3511 MACHINERY, EXCEPT ELECTRICAL-----	13,430	9,729	3,124	138	412
3611 ELECTRICAL MACH AND EQUIP-----	1,898	683	973	18	232
3711 MOTOR VEHICLES, PARTS, EQUIP-----	3,433	1,809	1,449	40	135
3731 SHIPS AND BOATS-----	1	1			
3791 MISC TRANSPORTATION EQUIPMENT-----	7,749	7,212	135	348	54
3811 INSTR, TIME, PHOTO, OPT GOODS-----	132	24	91		17
3911 MISC MANUFACTURED PRODUCTS-----	1,051	561	342	5	143
4011 IRON AND STEEL SCRAP-----	1,176		1,176		
4012 NONFERROUS METAL SCRAP-----	1,327		1,184		143
4112 COMMODITIES, NEC-----	605	509	7	83	6
9999 DEPARTMENT OF DEFENSE AND SCI-----	72		72		

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		LAKEWISE		INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	28,640,617	9,234	22,800	6,772,061	2,589,628	10,574,279	6,169,245	2,587,370
0103 CORN-----	367,847						363,660	4,187
0107 WHEAT-----	49,879					10,181	39,718	
0111 SOYBEANS-----	136,147						136,147	
0119 OILSEEDS, NEC-----	1,259						1,259	
0911 FRESH FISH, EXCEPT SHELLFISH-----	48							48
1011 IRON ORE AND CONCENTRATES-----	3,833,891			3,833,891				
1051 ALUMINUM ORES, CONCENTRATES-----	1,491			1,491				
1061 MANGANESE ORES, CONCENTRATES-----	3,555			1,472		2,083		

CHICAGO, ILL., DISTRICT

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PORT OF CHICAGO, ILL.--CONTINUED

FREIGHT TRAFFIC, 1968--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		LAKEWISE		INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
1091 NONFERROUS ORES, CONCENT, NEC-----	14,488	-----	-----	-----	-----	14,488	-----	-----
1121 COAL AND LIGNITE-----	7,221,225	-----	-----	2,275,331	-----	4,945,894	14,494	-----
1411 LIMESTONE-----	1,354,002	-----	-----	1,305,940	-----	48,062	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	3,865,379	-----	-----	-----	-----	1,192,824	784,573	1,968,082
1471 PHOSPHATE ROCK-----	6,378	-----	6,378	-----	-----	-----	-----	-----
1479 NATURAL FERTILIZER MATS, NEC-----	22,800	-----	22,800	-----	-----	-----	-----	-----
1492 SULPHUR, DRY-----	1,350	-----	-----	-----	-----	-----	1,350	-----
1499 NONMETALLIC MINERALS, NEC-----	607,443	-----	-----	25,069	-----	582,374	42,117	19,784
2014 YALLOW, ANIMAL FATS AND OILS-----	157,005	-----	-----	-----	-----	1,489	155,516	-----
2042 PREPARED ANIMAL FEEDS-----	422,040	-----	-----	-----	-----	-----	422,040	-----
2049 GRAIN MILL PRODUCTS, NEC-----	64,044	-----	-----	-----	-----	-----	64,044	-----
2041 SUGAR-----	209,308	-----	-----	-----	-----	209,308	-----	-----
2042 MOLASSES-----	39,202	-----	-----	-----	-----	39,202	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	10,740	-----	-----	-----	-----	4,141	14,660	-----
2421 LUMBER-----	17,459	-----	-----	-----	-----	17,459	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	5,859	-----	-----	-----	-----	5,859	-----	-----
2611 PULP-----	14,410	-----	-----	-----	-----	14,410	-----	-----
2631 PAPER AND PAPERBOARD-----	19,120	-----	-----	-----	-----	2,417	16,703	-----
2810 SODIUM HYDROXIDE-----	202,781	-----	-----	-----	-----	201,610	-----	1,171
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	58,793	-----	-----	7,685	-----	2,673	45,541	2,864
2813 ALCOHOLS-----	265,459	-----	-----	-----	4,647	260,545	267	-----
2817 BENZENE AND TOLUENE-----	120,549	-----	-----	17,037	-----	40,770	61,345	1,397
2819 BASIC CHEMICALS AND PROD, NEC-----	1,163,320	-----	-----	301,876	53,598	718,492	80,239	1,159
2821 PLASTIC MATERIALS-----	2,864	-----	-----	-----	-----	2,864	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	153,150	-----	-----	-----	43,110	108,440	3,600	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	19,647	-----	-----	-----	-----	19,647	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	10,676	2,636	-----	-----	-----	8,040	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	10,600	-----	-----	-----	-----	2,806	19,782	-----
2911 GASOLINE-----	108,714	-----	-----	7,532	7,534	23,454	121,799	38,193
2912 JET FUEL-----	54,413	-----	-----	8,501	-----	10,500	39,412	-----
2913 KEROSENE-----	2,133	-----	-----	-----	2,133	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	535,191	-----	-----	129,249	62,852	41,963	28,726	273,399
2915 RESIDUAL FUEL OIL-----	2,134,992	-----	-----	716,045	24,851	298,263	458,929	437,704
2916 LUBRICATING OILS AND GREASES-----	272,443	-----	-----	-----	2,363	249,079	-----	25,021
2917 NAPHTHA, PETROLEUM SOLVENTS-----	764,453	-----	-----	165,976	12,918	572,698	224,092	6,749
2918 ASPHALT, TAR, AND BITUMENS-----	159,943	-----	-----	43,737	-----	74,654	31,753	7,817
2920 COKE, PETROLEUM COKE-----	516,791	-----	-----	10,001	81,688	178,577	141,590	64,735
2991 PETROLEUM AND COAL PROD, NEC-----	23,797	-----	-----	-----	-----	23,797	-----	-----
3241 BUILDING CEMENT-----	944,133	-----	-----	135,797	-----	420,336	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	1,449	-----	-----	-----	-----	1,449	-----	-----
3271 LIME-----	149,396	-----	-----	-----	-----	149,396	-----	-----
3311 PIG IRON-----	1,671	-----	-----	-----	-----	1,671	-----	-----
3312 SLAG-----	29,653	-----	8,961	8,961	-----	-----	12,192	-----
3314 IRON AND STEEL PRIMARY FORMS-----	58,047	-----	-----	-----	-----	10,392	41,655	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	157,514	-----	-----	1,308	-----	59,521	94,834	1,859
3316 IRON AND STEEL PLATES, SHEETS-----	178,235	-----	-----	23,317	-----	37,301	114,817	2,800
3317 IRON AND STEEL PIPE AND TUBE-----	43,285	-----	-----	-----	-----	36,490	6,795	-----
3318 FERROALLOYS-----	113,610	-----	-----	2,937	-----	104,800	4,512	1,353
3319 IRON AND STEEL PRODUCTS, NEC-----	102,007	-----	-----	17,200	-----	29,711	55,094	-----
3323 LEAD AND ZINC UNWORKED-----	47,008	-----	-----	-----	-----	3,297	1,400	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	731	-----	-----	-----	-----	731	-----	-----
3411 FABRICATED METAL PRODUCTS-----	15,100	-----	-----	-----	572	7,003	7,525	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	5,644	280	-----	-----	-----	3,082	2,482	-----
3731 SHIPS AND BOATS-----	46	-----	-----	-----	-----	-----	46	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	500	-----	-----	-----	-----	-----	-----	500
4011 IRON AND STEEL SCRAP-----	525,446	-----	-----	6,239	10,921	5,271	489,735	13,280
4029 WASTE AND SCRAP, NEC-----	1,774,577	-----	-----	-----	-----	-----	1,774,577	-----
4112 COMMODITIES, NEC-----	600	-----	-----	-----	-----	-----	600	-----
4119 EMPTY CONTAINERS-----	760	-----	-----	-----	-----	760	-----	-----
TONS, ALL TRAFFIC,-----	32,993,244	-----	-----	-----	-----	-----	-----	-----

SUMMARY OF TRAFFIC, CHICAGO AREA, 1968

(SHORT TONS)

LOCALITY	TOTAL	FOREIGN				DOMESTIC						LOCAL
		OVERSEAS		CANADIAN		COASTWISE		LAKEWISE		INTERNAL		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RE-CEIPTS	SHIP-MENTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
BUFFINGTON HARBOR, IND.---	1,339,698	-----	-----	39,311	106,027	-----	-----	1,075,679	1,491	107,020	8,378	-----
GARY HARBOR, IND.---	6,870,639	-----	-----	330,892	1,401	-----	-----	6,231,502	48,989	40,026	217,750	1
INDIANA HARBOR IND.---	10,898,932	24,313	-----	1,101,372	25,834	-----	-----	10,412,721	2,782,692	379,244	725,354	1,447,408
PORT OF CHICAGO---	32,993,244	661,650	837,063	1,272,082	1,981,832	9,234	22,800	6,772,061	2,589,688	10,374,279	6,145,245	2,587,370
TOTAL, UNADJUSTED	58,102,513	685,963	837,063	2,743,657	1,719,894	9,234	22,800	24,492,253	5,422,780	11,101,369	7,116,729	3,954,771
TOTAL, NET-----	56,957,653	685,963	837,063	2,743,657	1,719,894	9,234	22,800	23,347,393	4,297,920	11,101,369	7,116,729	5,899,631

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

ILLINOIS RIVER, ILL. (INCLUDED IN THE
ILLINOIS WATERWAY CONSOLIDATED)

SECTION INCLUDED: MOUTH OF ILLINOIS RIVER, GRAFTON, ILLINOIS, TO LOCKPORT, ILLINOIS, 291.0 MILES. CONTROLLING AND PROJECT DEPTHS: 9 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	33,669,954	1976-----	43,065,859
1972-----	39,183,957	1977-----	40,836,496
1973-----	40,122,307	1978-----	37,251,137
1974-----	41,229,726	1979-----	39,150,290
1975-----	43,599,825	1980-----	41,703,337

• PASSENGERS--64,312.

FREIGHT TRAFFIC, 1980

COASTWISE

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC COASTWISE			
		RECEIPTS	SHIPMENTS	UPBOUND	THROUGH DOWNBOUND
TOTAL-----	86,572	53,435	1,303	9,034	22,800
0103 CORN-----	1,303		1,303		
1471 PHOSPHATE ROCK-----	56,380	50,802		6,378	
1479 NATURAL FERTILIZER MATS, NEC-----	22,800				22,800
2679 FERTILIZER AND MATERIALS, NEC-----	5,379	2,723		2,656	
3651 ELECTRICAL MACH AND EQUIP-----	710	710			
TON-MILES, COASTWISE, 24,389,001.					

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	UPBOUND	INBOUND UPBOUND	OUTBOUND UPBOUND	THROUGH UPBOUND	DOWNBOUND	INBOUND DOWNBOUND	OUTBOUND DOWNBOUND	THROUGH DOWNBOUND
TOTAL-----	41,616,765	72,901	4,025,046	6,154,224	5,102,392	1,335,131	2,791,785	19,278,223	4,777,063
0103 CORN-----	12,391,861	3,519	6,031			4,286	2,881	12,014,365	368,779
0106 SORGHUM GRAINS-----	2,955						2,955		
0107 WHEAT-----	350,869			10,161				380,990	39,718
0111 SOYBEANS-----	2,768,698	1,300	3,912					2,627,339	136,147
0119 OILSEEDS, NEC-----	1,259								1,259
0211 FRESH FISH, EXCEPT SHELLFISH-----	1,303	33							
1051 ALUMINUM ORES, CONCENTRATES-----	101,901			101,901					
1061 MANGANESE ORES, CONCENTRATES-----	25,297		1,417	23,880					
1091 NONFERROUS ORES, CONCENT, NEC-----	25,210		4,179	19,946				1,885	
1121 COAL AND LIGNITE-----	5,804,849		252,930	4,766,850	168,555	588,613		21,487	14,494
1311 CRUDE PETROLEUM-----	36,501							36,501	
1411 LIMESTONE-----	6,114			8,114					
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,014,968		5,870	1,142,705	51,497	4,283	786,573	24,040	
1471 PHOSPHATE ROCK-----	568,175		568,175						
1492 SULPHUR, DRY-----	1,350								1,350
1493 SULPHUR, LIQUID-----	5,140							5,140	
1499 NONMETALLIC MINERALS, NEC-----	855,551		255,460	556,574		41,267			2,250
2014 TALLOW, ANIMAL FATS AND OILS-----	161,868			1,429					160,439
2041 WHEAT FLOUR AND SEMOLINA-----	1,350							1,350	
2042 PREPARED ANIMAL FEEDS-----	924,929		800					493,399	430,730
2049 GRAIN MILL PRODUCTS, NEC-----	453,331							389,267	64,064
2061 SUGAR-----	209,398				208,370				1,028
2062 MOLASSES-----	57,686		18,484	5,989					
2091 VEGETABLE OILS, MARG, SHORT-----	82,861		32,093	4,141				32,088	14,619
2411 LUMBER-----	23,500							23,500	
2421 VENEER, PLYWOOD, WORKED WOOD-----	22,807			22,807					
2611 PULP-----	5,859			5,859					
2631 PAPER AND PAPERBOARD-----	14,410			14,410					
2631 PAPER AND PAPERBOARD-----	21,632			5,129					16,703
2810 SODIUM HYDROXIDE-----	292,810			292,810					
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	57,765		7,682	2,673			5,306	2,469	40,235
2813 ALCOHOLS-----	309,095		4,586	7,962	252,583	41,842		2,735	267
2817 BENZENE AND TOLUENE-----	132,053			40,770			1,360		89,923
2818 SULPHURIC ACID-----	101,430	57,994	40,200			609		2,627	
2819 BASIC CHEMICALS AND PROD, NEC-----	1,721,084	2,304	908,388	11,862	698,590	6,583	6,450	11,480	75,425
2821 PLASTIC MATERIALS-----	2,866				2,866				
2871 NITROGENOUS CHEM FERTILIZERS-----	649,722	7,749	324,580	56,481	229,610	12,727		6,970	7,996
2873 PHOSPHATIC CHEM FERTILIZERS-----	82,133		48,958	1,600	31,575				
2879 FERTILIZER AND MATERIALS, NEC-----	334,113		322,208		8,020	1,378		2,915	
2891 MISCELLANEOUS CHEMICAL PROD-----	18,608				2,866				15,722
2911 GASOLINE-----	1,181,590		396,782		23,656	456,756	26,073	182,677	95,726
2912 JET FUEL-----	73,235		25,688		10,500	1,635			35,412
2914 DISTILLATE FUEL OIL-----	755,626		312,037	18,990	29,607	161,329	6,731	283,931	27,001
2915 RESIDUAL FUEL OIL-----	1,329,553		284,360	72,328	229,943		21,987	136,664	674,259
2916 LUBRICATING OILS AND GREASES-----	339,576				246,850			69,431	32,495
2917 NAPHTHA, PETROLEUM SOLVENTS-----	670,431		11,788		383,334				275,869
2918 ASPHALT, TAR, AND BITUMENS-----	239,556		123,680		76,556			2,457	36,843
2920 COKE, PETROLEUM COKE-----	1,167,717		14,846	56,977	363,880	58,674	3,991	483,768	273,681
2991 PETROLEUM AND COAL PROD, NEC-----	26,495				26,495				
3241 BUILDING CEMENT-----	477,328		48,992		428,336				
3291 STRUCTURAL CLAY PRODUCTS-----	8,260				8,260				
3271 LIME-----	169,519				159,576	9,943			
3311 PIG IRON-----	17,600				9,442		1,115		7,043

CHICAGO, ILL., DISTRICT

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ILLINOIS RIVER, ILL. (INCLUDED IN THE
ILLINOIS WATERWAY CONSOLIDATED)--CONTINUED

FREIGHT TRAFFIC, 1988--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	UPBOUND	INBOUND UPBOUND	OUTBOUND UPBOUND	THROUGH UPBOUND	DOWNBOUND	INBOUND DOWNBOUND	OUTBOUND DOWNBOUND	THROUGH DOWNBOUND
3312 SLAG-----	66,789						1,289		66,500
3314 IRON AND STEEL PRIMARY FORMS-----	236,193		6,605		20,627	328		183,798	184,763
3315 IRON, STEEL SHAPES, EXC SHEET-----	376,414		19,282		64,309	868	19,697	33,171	246,812
3316 IRON AND STEEL PLATES, SHEETS-----	696,364		9,396		56,427		17,490	91,899	562,096
3317 IRON AND STEEL PIPE AND TUBE-----	57,937		3,961		39,748		800		13,427
3318 FERROALLOYS-----	171,675		2,875		164,800				4,612
3319 IRON AND STEEL PRODUCTS, NEC-----	331,685		1,024	1,070	29,526	1,000	11,546	81,694	256,425
3323 LEAD AND ZINC, UNWORKED-----	6,793				3,297				1,466
3324 ALUMINUM AND ALLOYS, UNWORKED-----	731				731				
3411 FABRICATED METAL PRODUCTS-----	47,608		14,262		7,003	1,096	6,978		18,647
3911 MACHINERY, EXCEPT ELECTRICAL-----	42,898		566		3,062		1,600	28,199	4,915
3611 ELECTRICAL MACH AND EQUIP-----	850		850						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	623							623	
3731 SHIPS AND BOATS-----	46								46
4011 IRON AND STEEL SCRAP-----	663,688		22,921	1,257	15,526		94,243	10,649	530,692
4029 WASTE AND SCRAP, NEC-----	1,797,362						1,739,174	22,785	35,403
4112 COMMODITIES, NEC-----	600								600
4119 EMPTY CONTAINERS-----	980		220		760				
TON-MILES, INTERNAL, 6,269,296,899.									
TONS, ALL TRAFFIC, 41,763,337.									
TON-MILES, ALL TRAFFIC, 6,293,689,900.									

ILLINOIS WATERWAY, ILL. (CONSOLIDATED REPORT
FOR ENTIRE WATERWAY)

SECTION INCLUDED: ILLINOIS RIVER, GRAFTON, ILL. TO LOCKPORT, ILL.; CHICAGO SANITARY AND SHIP CANAL (CHICAGO DRAINAGE CANAL), LOCKPORT, ILL. TO DAMEN AVE. IN CHICAGO; CHICAGO RIVER (SOUTH BRANCH), DAMEN AVENUE TO LAKE STREET; CALUMET-SAG CHANNEL, FROM ITS JUNCTION WITH THE CHICAGO SANITARY AND SHIP CANAL TO BLUE ISLAND; AND THE LITTLE CALUMET RIVER AND CALUMET RIVER TO TURNING BASIN NO. 5. CONTROLLING DEPTH: SEE REPORTS FOR ILLINOIS RIVER, CHICAGO SANITARY AND SHIP CANAL; CALUMET-SAG CHANNEL; AND CHICAGO RIVER, SOUTH BRANCH. PROJECT DEPTH: 9 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	38,324,867	7,818	1976-----	46,652,608	111,820
1972-----	43,970,391	29,704	1977-----	44,916,298	110,960
1973-----	44,510,478	137,239	1978-----	41,609,086	87,630
1974-----	45,301,607	112,268	1979-----	39,339,385	66,490
1975-----	47,242,397	165,860	1980-----	45,926,948	65,612

FREIGHT TRAFFIC, 1980

COASTWISE AND LAKEWISE

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC				
		COASTWISE		LAKEWISE		THROUGH DOWNBOUND
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,406,086	62,669	24,103	1,174,503	136,387	10,424
0103 CORN-----	1,303		1,303			
1471 PHOSPHATE ROCK-----	56,380	56,380				
1479 NATURAL FERTILIZER MATS, NEC-----	22,000		22,000			
2813 ALCOHOLS-----	4,647				4,647	
2819 BASIC CHEMICALS AND PROD, NEC-----	294,024			294,024		
2871 NITROGENOUS CHEM FERTILIZERS-----	22,282				22,282	
2879 FERTILIZER AND MATERIALS, NEC-----	5,379		5,379			
2911 GASOLINE-----	11,276			7,532	3,744	
2912 JET FUEL-----	8,501			8,501		
2913 KEROSENE-----	2,133				2,133	
2914 DISTILLATE FUEL OIL-----	186,298			129,249	57,049	
2915 RESIDUAL FUEL OIL-----	699,133			683,919	15,214	9,163
2916 LUBRICATING OILS AND GREASES-----	2,363				2,363	
2917 NAPHTHA, PETROLEUM SOLVENTS-----	35,620			22,702	12,918	
2918 ASPHALT, TAR, AND PITCHES-----	43,737			43,737		
3318 FERROALLOYS-----	1,919			1,919		
3911 MACHINERY, EXCEPT ELECTRICAL-----	200	200				
3611 ELECTRICAL MACH AND EQUIP-----	710	710				
4011 IRON AND STEEL SCRAP-----	9,821			1,400	7,160	1,261
TON-MILES, COASTWISE AND LAKEWISE, 38,871,788.						

ILLINOIS WATERWAY, ILL. (CONSOLIDATED REPORT
FOR ENTIRE WATERWAY)--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

INTERNAL
(SHORT TONS)

COMMODITY	TOTAL	UPBOUND	INBOUND UPBOUND	OUTBOUND UPBOUND	THROUGH UPBOUND	DOWNBOUND	INBOUND DOWNBOUND	OUTBOUND DOWNBOUND	THROUGH DOWNBOUND
TOTAL	44,118,876	6,959,830	7,141,671	1,454,311	2,081,934	4,280,192	182,466	19,516,814	2,582,208
0103 CORN	12,396,048	3,519	6,031	4,187		5,868	1,307	12,310,653	65,091
0106 SORGHUM GRAINS	2,959							2,955	
0107 WHEAT	350,869			10,161				389,644	31,064
0111 SOYBEANS	2,788,698	1,308	3,912					2,749,889	17,681
0219 OILSEEDS, NEC	1,259								1,259
0911 FRESH FISH, EXCEPT SHELLFISH	81	33					48		
1091 ALUMINUM ORES, CONCENTRATES	101,901			101,901					
1091 MANGANESE ORES, CONCENTRATES	25,297		1,417	23,880					
1091 NONFERROUS ORES, CONCENT. NEC	25,210		14,605	9,520					
1121 COAL AND LIGNITE	5,804,849	4,766,850	312,477		109,008	580,813		1,085	
1311 CRUDE PETROLEUM	36,501							24,722	11,179
1411 LIMESTONE	8,114				8,114			36,501	
1442 SAND, GRAVEL, CRUSHED ROCK	3,600,948	1,488,640	46,294	1,239,225	11,073	798,856	828	24,040	
1471 PHOSPHATE ROCK	568,175		568,175						
1492 SULPHUR, DRY	1,350							1,350	
1493 SULPHUR, LIQUID	5,140							5,140	
1499 NONMETALLIC MINERALS, NEC	875,337	1,008	550,498	15,783	261,534	21,975	22,687		2,250
2014 TALLOW, ANIMAL FATS AND OILS	161,868		1,429					74,686	85,773
2041 WHEAT FLOUR AND SEMOLINA	1,350							1,350	
2042 PREPARED ANIMAL FEEDS	926,247		800					632,668	292,779
2049 GRAIN MILL PRODUCTS, NEC	453,331							401,952	51,379
2061 SUGAR	209,398		61,889		146,481				1,028
2062 MOLASSES	57,686	5,989	61,958		9,739				
2091 VEGETABLE OILS, MARG, SHORT	82,861		32,093		4,141			33,430	13,197
2411 LOGS	23,500							23,500	
2421 LUMBER	22,807		14,825		7,982				
2431 VENEER, PLYWOOD, WORKED WOOD	5,859		5,859						
2611 PULP	14,481		5,930		10,480				
2691 PAPER AND PAPERBOARD	21,832				5,129				16,703
2810 SODIUM HYDROXIDE	293,981		233,244		60,737				
2811 CRUDE TAR, OIL, GAS PRODUCTS	60,659	2,894	8,444		1,311	5,336		39,994	2,750
2813 ALCOHOLS	309,095	7,962	250,106		6,983	41,042		3,082	
2817 BENZENE AND TOLUENE	133,450	1,397	22,521		18,249	1,368		59,985	29,938
2818 SULPHURIC ACID	101,430	57,994	40,200			609		2,627	
2819 BASIC CHEMICALS AND PROD, NEC	1,738,243	25,425	1,440,797		166,181	18,939		85,265	1,640
2821 PLASTIC MATERIALS	2,866		2,866						
2871 NITROGENOUS CHEM FERTILIZERS	649,722	16,382	387,884	47,848	170,306	12,727		6,579	7,906
2873 PHOSPHATIC CHEM FERTILIZERS	82,133		48,958	1,600	31,575				
2879 FERTILIZER AND MATERIALS, NEC	334,113		330,228			1,370		2,515	
2881 MISCELLANEOUS CHEMICAL PROD	18,608		2,886					15,722	
2911 GASOLINE	1,219,783	34,301	420,358			486,721		278,403	
2912 JET FUEL	73,235		36,188			1,635		35,412	
2914 DISTILLATE FUEL OIL	1,029,025	286,596	339,924	2,634		181,585	7,354	239,932	
2915 RESIDUAL FUEL OIL	1,787,237	250,178	443,019	9,904		224,257	4,968	797,594	37,317
2916 LUBRICATING OILS AND GREASES	364,597	13,206	245,079		1,571	11,815		60,431	32,495
2917 NAPHTHA, PETROLEUM SOLVENTS	477,705	6,769	339,379		55,743			191,985	83,984
2918 ASPHALT, TAR, AND BITUMENS	247,373	7,817	208,256					34,210	5,090
2920 COKE, PETROLEUM COKE	1,232,452		17,574					539,960	137,489
2991 PETROLEUM AND COAL PROD, NEC	26,495		23,797	121,712	361,252	50,474	3,991		
3241 BUILDING CEMENT	477,328		477,328						
3291 STRUCTURAL CLAY PRODUCTS	8,280		1,449		6,811				
3271 LIME	169,519		1,436		158,140	9,943			
3311 PIG IRON	17,600				9,442		1,115		7,043
3312 SLAG	66,789						1,209		65,580
3314 IRON AND STEEL PRIMARY FORMS	234,183		12,572		12,740	320		112,018	96,533
3315 IRON, STEEL SHAPES, EXC SHEET	379,214		39,663		43,848	863	15,857	42,352	236,631
3316 IRON AND STEEL PLATES, SHEETS	696,364		21,249		43,554		17,450	69,100	544,991
3317 IRON AND STEEL PIPE AND TUBE	57,557		31,467		11,863	800			13,427
3318 FERROALLOYS	172,828		2,073		164,890	1,353			4,512
3319 IRON AND STEEL PRODUCTS, NEC	331,685	1,070	9,054		21,498	1,008	11,540	35,690	251,833
3323 LEAD AND ZINC, UNWORKED	4,705		1,319		1,978				1,408
3324 ALUMINUM AND ALLOYS, UNWORKED	731				731				
3411 FABRICATED METAL PRODUCTS	47,408		15,974		5,291	1,098	6,978	1,661	16,466
3511 MACHINERY, EXCEPT ELECTRICAL	42,299		986		2,682		1,600	32,218	4,832
3611 ELECTRICAL MACH AND EQUIP	850		850						
3711 MOTOR VEHICLES, PARTS, EQUIP	623							623	
3731 SHIPS AND BOATS	46							46	
3791 MISC TRANSPORTATION EQUIPMENT	500	500							
4011 IRON AND STEEL SCRAP	695,368		25,571	1,257	12,876	10,854	83,389	151,011	410,410
4029 WASTE AND SCRAP, NEC	1,797,362					1,739,174		98,188	
4112 COMMODITIES, NEC	600								600
4119 EMPTY CONTAINERS	980		980						
TON-MILES, INTERNAL	8,739,833,656								
TONS, ALL TRAFFIC	45,526,982								
TON-MILES, ALL TRAFFIC	8,798,705,441								

CHICAGO, ILL., DISTRICT

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INDIANA HARBOR, IND.

SECTION INCLUDED: OUTER HARBOR AND CANAL ENTRANCE CHANNEL TO THE FIRST E. J. & E. R. R. BRIDGE; INDIANA HARBOR CANAL, INCLUDING THE CALUMET RIVER BRANCH TO 141ST STREET BRIDGE AND THE LAKE GEORGE BRANCH TO 0.2 MILES PAST INDIANAPOLIS BLVD., CONTROLLING AND PROJECT DEPTHS: 29 FEET IN LAKE APPROACH CHANNEL, 28 FEET IN HARBOR BASIN, 27 FEET IN CANAL ENTRANCE CHANNEL, 22 FEET IN CANAL TO DICKEY PLACE BRIDGE, 22 FEET IN REMAINDER OF CANAL TO 0.2 MILES PAST INDIANAPOLIS BLVD., ON LAKE GEORGE BRANCH AND 141ST STREET OR CALUMET RIVER BRANCH.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	15,914,661	1976	19,490,752
1972	17,610,662	1977	19,958,303
1973	17,897,777	1978	20,715,602
1974	17,164,765	1979	18,418,640
1975	17,126,066	1980	16,896,932

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN			LAKELINE		DOMESTIC		LOCAL
		OVERSEAS	CANADIAN		RECEIPTS	SHIPMENTS	INTERNAL		
		IMPORTS	IMPORTS	EXPORTS			RECEIPTS	SHIPMENTS	
TOTAL	10,898,932	24,313	1,101,372	25,634	10,412,721	2,782,692	379,244	729,356	1,447,400
0911 FRESH FISH, EXCEPT SHELLFISH	6								
1011 IRON ORE AND CONCENTRATES	10,569,324		1,019,066		8,126,529				1,422,929
1061 MANGANESE ORES, CONCENTRATES	9,834						9,834		
1091 NONFERROUS ORES, CONCENT, NEC	1,372						1,372		
1121 COAL AND LIGNITE	4,005						4,005		
1411 LIMESTONE	1,919,174				1,919,174				
1442 SAND, GRAVEL, CRUSHED ROCK	1,376						1,376		
1494 GYPSUM, CRUDE AND PLASTERS	71,624				71,624				
1499 NONMETALLIC MINERALS, NEC	29,120						27,720	1,400	
2811 CRUDE TAR, OIL, GAS PRODUCTS	12,787		5,767		7,020				
2817 BENZENE AND TOLUENE	29,938							29,938	
2819 BASIC CHEMICALS AND PROD, NEC	70,193		68,593					1,640	
2871 NITROGENOUS CHEM FERTILIZERS	4,396							4,396	
2891 MISCELLANEOUS CHEMICAL PROD	650		650						
2911 GASOLINE	982,575				3,308	975,704			3,963
2912 JET FUEL	47,955					47,955			
2913 KEROSENE	2,133				2,133				
2914 DISTILLATE FUEL OIL	751,687				43,075	699,981	2,634	5,004	983
2915 RESIDUAL FUEL OIL	928,778				181,749	784,396		37,317	5,316
2916 LUBRICATING OILS AND GREASES	36,429				2,363		1,571	32,495	
2917 NAPHTHA, PETROLEUM SOLVENTS	206,725				12,910	133,454	10,636	49,717	
2918 ASPHALT, TAR, AND PITCHES	179,441					171,715		5,699	2,636
2920 COKE, PETROLEUM COKE	384,960				20,322	31,835	237,936	94,845	
2991 PETROLEUM AND COAL PROD, NEC	2,698						2,698		
3251 STRUCTURAL CLAY PRODUCTS	6,811							6,811	
3271 LIME	10,186							10,186	
3312 SLAG	12,992				12,992				
3314 IRON AND STEEL PRIMARY FORMS	73,321			13,862		8,053	1,363	50,023	
3315 IRON, STEEL SHAPES, EXC SHEET	72,679					3,608	4,788	44,291	
3316 IRON AND STEEL PLATES, SHEETS	190,509			11,952		2,389	12,940	163,228	
3317 IRON AND STEEL PIPE AND TUBE	5,015						3,279	1,736	
3318 FERROALLOYS	59,997	24,254	6,536				29,207		
3319 IRON AND STEEL PRODUCTS, NEC	99,074						887	98,187	
3411 FABRICATED METAL PRODUCTS	5,659							5,659	
3911 MISC MANUFACTURED PRODUCTS	59	59							
4011 IRON AND STEEL SCRAP	115,656				9,514	3,600	10,005	86,370	11,967

BURNS WATERWAY HARBOR, IND.

SECTION INCLUDED: ENTRANCE CHANNEL, OUTER HARBOR, AND TWO HARBOR ARMS, CONTROLLING AND PROJECT DEPTHS: 30 FEET IN ENTRANCE CHANNEL, 28 FEET IN OUTER HARBOR, AND 27 FEET IN THE EAST AND WEST HARBOR ARMS.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	3,413,117	1976	5,512,721
1972	4,759,827	1977	4,569,677
1973	5,520,080	1978	7,306,481
1974	6,053,763	1979	8,077,847
1975	6,092,656	1980	6,462,820

FREIGHT TRAFFIC, 1980

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
TOTAL	518,188	131,354	88,678	290,114	82
0121 TOBACCO, LEAF	12	12			
0161 ANIMALS AND PRODUCTS, NEC	138	46	92		
0191 MISCELLANEOUS FARM PRODUCTS	6	6			
0861 FOREST PRODUCTS, NEC	7	6	1		

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BURNS WATERWAY HARBOR, IND.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
1011 IRON ORE AND CONCENTRATES-----	309,329	62,197	-----	247,132	-----
1499 NONMETALLIC MINERALS, NEC-----	24,295	-----	-----	24,295	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	611	-----	611	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	10	10	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	32	18	14	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	89	3	86	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	6,5	-----	615	-----	-----
2042 PREPARED ANIMAL FEEDS-----	23	-----	23	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	16,242	5	16,237	-----	-----
2081 ALCOHOLIC BEVERAGES-----	303	303	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	19	19	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	2,293	360	1,933	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	36	35	1	-----	-----
2311 APPAREL-----	1	1	-----	-----	-----
2411 LOGS-----	2,799	-----	2,799	-----	-----
2421 LUMBER-----	284	107	177	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	23	23	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	1	1	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	25	21	4	-----	-----
2631 PAPER AND PAPERBOARD-----	3,758	3,758	-----	-----	-----
2711 PRINTED MATTER-----	2	161	1	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	280	6	119	-----	-----
2821 PLASTIC MATERIALS-----	18	72	12	-----	-----
2831 DRUGS-----	72	-----	-----	-----	-----
2841 SOAP-----	46	46	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	79	-----	79	-----	-----
2916 LUBRICATING OILS AND GREASES-----	1	1	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	103	-----	103	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	13	13	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	24	18	6	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	2,058	1,990	-----	468	-----
3241 BUILDING CEMENT-----	6	-----	6	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	20	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	38	38	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	4	4	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	5,028	548	4,480	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	46,848	46,848	788	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	44,675	362	44,313	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	4,554	4,554	-----	-----	-----
3318 FERROALLOYS-----	31,338	5,144	-----	26,194	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	986	986	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	246	245	3	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	73	73	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	2,315	662	1,653	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	183	183	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	870	790	120	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,978	2,865	804	15	82
3611 ELECTRICAL MACH AND EQUIP-----	77	30	47	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	607	527	80	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1	-----	1	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	7	6	1	-----	-----
4011 IRON AND STEEL SCRAP-----	13,393	-----	13,353	-----	-----
4012 NONFERROUS METAL SCRAP-----	113	-----	113	-----	-----
4112 COMMODITIES, NEC-----	221	221	-----	-----	-----

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE		INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	5,943,832	4,914,768	359,032	222,249	447,774	9
0911 FRESH FISH, EXCEPT SHELLFISH-----	9	-----	-----	-----	-----	9
1011 IRON ORE AND CONCENTRATES-----	4,450,880	4,450,880	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	8,894	-----	8,894	-----	-----	-----
1411 LIMESTONE-----	455,114	444,114	11,000	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	3,244	-----	-----	3,244	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	4,863	-----	-----	-----	4,863	-----
2421 LUMBER-----	5,348	-----	-----	5,348	-----	-----
2631 PAPER AND PAPERBOARD-----	2,712	-----	-----	2,712	-----	-----
2810 SODIUM HYDROXIDE-----	1,200	-----	-----	1,200	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	169,447	5,424	17,370	166,453	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	13,528	-----	-----	13,528	-----	-----
2914 DISTILLATE FUEL OIL-----	634	-----	634	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	24,381	-----	20,322	2,862	1,217	-----
3211 PIG IRON-----	14,816	-----	7,771	7,043	-----	-----
3212 SLAG-----	366,159	10,750	388,812	-----	34,597	-----
3314 IRON AND STEEL PRIMARY FORMS-----	7,788	-----	-----	2,872	4,916	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	66,118	3,600	-----	-----	62,518	-----
3316 IRON AND STEEL PLATES, SHEETS-----	235,250	-----	-----	4,572	230,678	-----
3317 IRON AND STEEL PIPE AND TUBE-----	1,187	-----	-----	-----	1,187	-----
3318 FERROALLOYS-----	10,000	-----	-----	10,000	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	59,498	-----	-----	-----	59,498	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	360	-----	-----	-----	360	-----
4011 IRON AND STEEL SCRAP-----	22,396	-----	-----	1,507	20,889	-----
TONS, ALL TRAFFIC,-----	6,462,020.	-----	-----	-----	-----	-----

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	PASSENGERS
PROJECT			
ALGOMA HARBOR, WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	107	
DETROIT HARBOR, WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	192	
	2042 PREPARED ANIMAL FEEDS	270	
	2099 MISCELLANEOUS FOOD PRODUCTS	104	
	2414 TIMBER, POSTS, POLES, PILING	330	
	2910 ASPHALT, TAR, AND BITUMENS	156	
	3911 MACHINERY, EXCEPT ELECTRICAL	197	
	4112 COMMODITIES, NEC	2,200	
	TOTAL	3,969	161,400
KENOSHA HARBOR, WIS.	0141 FRESH AND FROZEN VEGETABLES	60	
	0141 ANIMALS AND PRODUCTS, NEC	2,801	
	0011 FRESH FISH, EXCEPT SHELLFISH	239	
	0012 SHELLFISH, EXCEPT PREPARED	4	
	2011 MEAT, FRESH, CHILLED, FROZEN	34,056	
	2039 PREP FRUIT AND VEG JUICE, NEC	144	
	2041 WHEAT FLOUR AND SEMOLINA	2,116	
	2049 GRAIN MILL PRODUCTS, NEC	7,209	
	2081 ALCOHOLIC BEVERAGES	8	
	2099 MISCELLANEOUS FOOD PRODUCTS	310	
	2211 BASIC TEXTILE PRODUCTS	349	
	2421 LUMBER	1,393	
	2819 BASIC CHEMICALS AND PROD, NEC	136	
	2831 DRUGS	63	
	3318 FERROALLOYS	298	
	3324 ALUMINUM AND ALLOYS, UNWORKED	3	
	3411 FABRICATED METAL PRODUCTS	2	
	3911 MACHINERY, EXCEPT ELECTRICAL	4,080	
	3731 SHIPS AND BOATS	20	
	4112 COMMODITIES, NEC	3	
	TOTAL	53,441	
MENOMINEE HARBOR AND RIVER, MICH. AND WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	291	
	1121 COAL AND LIGNITE	76,902	
	1411 LIMESTONE	13,431	
	1442 SAND, GRAVEL, CRUSHED ROCK	13,543	
	1499 NONMETALLIC MINERALS, NEC	27,792	
	2611 PULP	1,972	
	3312 SLAG	9,300	
	TOTAL	143,151	
MICHIGAN CITY HARBOR, IND.	0011 FRESH FISH, EXCEPT SHELLFISH	91	
OCONTO HARBOR, WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	99	
PENSAUKEE HARBOR, WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	1,295	
RACINE HARBOR, WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	90	
	1499 NONMETALLIC MINERALS, NEC	11,405	
	2011 GASOLINE	10,769	
	2914 DISTILLATE FUEL OIL	19,226	
	TOTAL	41,490	
SHEBOYGAN HARBOR, WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	618	
	1121 COAL AND LIGNITE	106,430	
	1499 NONMETALLIC MINERALS, NEC	31,416	
	2013 ALCOHOLS	4,647	
	2819 BASIC CHEMICALS AND PROD, NEC	13,715	
	3312 SLAG	10,750	
	TOTAL	167,576	
STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	21	
	1011 IRON ORE AND CONCENTRATES	8,656	
	1121 COAL AND LIGNITE	8,900	
	1411 LIMESTONE	19,224	
	TOTAL	36,801	6,624
TWO RIVERS HARBOR, WIS.	0011 FRESH FISH, EXCEPT SHELLFISH	10,274	
	2871 NITROGENOUS CHEM FERTILIZERS	2,701	
	TOTAL	12,975	
NONPROJECT			
BUFFINGTON HARBOR, IND.	1091 ALUMINUM ORES, CONCENTRATES	103,392	
	1411 LIMESTONE	1,075,879	
	1499 NONMETALLIC MINERALS, NEC	5,919	
	2020 COKE, PETROLEUM COKE	106,827	
	3241 BUILDING CEMENT	39,311	
	3315 IRON, STEEL SHAPES, ETC SHEET	800	
	3317 IRON AND STEEL PIPE AND TUBE	800	
	3411 FABRICATED METAL PRODUCTS	5,970	
	3911 MACHINERY, EXCEPT ELECTRICAL	800	
	TOTAL	2,339,698	
GARY HARBOR, IND.	0011 FRESH FISH, EXCEPT SHELLFISH	1	
	1011 IRON ORE AND CONCENTRATES	5,868,637	
	1061 MANGANESE ORES, CONCENTRATES	13,439	
	1091 NONFERROUS ORES, CONCENT, NEC	4,174	
	1411 LIMESTONE	666,114	
	1499 NONMETALLIC MINERALS, NEC	23,033	

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OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	PASSENGERS
NONPROJECT--CONTINUED			
GARY HARBOR, IND, (CONTINUED)-----	2920 COKE, PETROLEUM COKE-----	1,400	-----
	3311 PIG IRON-----	1,115	-----
	3314 IRON AND STEEL PRIMARY FORMS-----	8,164	-----
	3315 IRON, STEEL SHAPES, ETC SHEETS-----	40,726	-----
	3316 IRON AND STEEL PLATES, SHEETS-----	94,265	-----
	3317 IRON AND STEEL PIPE AND TUBE-----	3,706	-----
	3318 FERROALLOYS-----	25,812	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	73,785	-----
	3411 FABRICATED METAL PRODUCTS-----	4,495	-----
	4011 IRON AND STEEL SCRAP-----	42,973	-----
	TOTAL-----	6,870,639	-----

DETROIT, MICH., DISTRICT

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PRESQUE ISLE HARBOR, MICH.

SECTION INCLUDED: ENTIRE HARBOR, CONTROLLING AND PROJECT DEPTHS: 30 FEET IN APPROACH AND 20 FEET IN BASIN, NAVIGATION SEASON: MARCH 31 TO JANUARY 21.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	3,949,274	1976-----	6,840,553
1972-----	3,450,111	1977-----	5,219,296
1973-----	3,740,726	1978-----	7,056,888
1974-----	3,118,370	1979-----	8,121,748
1975-----	3,846,960	1980-----	7,881,252

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN CANADIAN	DOMESTIC LAKEWISE	
		EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	7,881,252	3,741,008	1,496,010	2,644,194
1011 IRON ORE AND CONCENTRATES-----	6,385,242	3,741,008	-----	2,644,194
1121 COAL AND LIGNITE-----	1,444,834	-----	1,444,834	-----
2911 GASOLINE-----	26,034	-----	26,034	-----
2914 DISTILLATE FUEL OIL-----	25,142	-----	25,142	-----

ST. MARYS RIVER, MICH.

SECTION INCLUDED: ENTIRE LENGTH OF ST. MARYS RIVER FROM LAKE SUPERIOR TO LAKE MICHIGAN, INCLUDING AMERICAN PORTS OF SAULT STE. MARIE, RABER, LIME ISLAND, DRUMMOND ISLAND, AND DETOUR, MICHIGAN.

NAME OF CANAL	PROJECT DEPTH	CONTROLLING DEPTH
GROS CAP REEFS-----	30.0	30.0
POINT IROQUOIS SHOAL CHANNEL-----	30.0	29.4
POINT IROQUOIS ANCHORAGE AREAS-----	29.0	21.0
BIRCH POINT COURSE-----	28.0-30.0	30.0
BRUSH POINT COURSE-----	28.0	28.0
POINT LOUISE CHANNEL-----	28.0	28.0
POINT AUX PINS COURSE-----	28.0	28.0
VIDAL SHOALS CHANNEL-----	28.0	28.0

LOCKS AND CANAL (SEE REPORT FOR ST. MARYS FALL CANAL)

BAYFIELD CHANNEL COURSE 1-----	28.0	28.0
ANCHORAGE AND MANEUVER AREA ANGLE COURSES 1 AND 2-----	28.5	28.5
LITTLE RAPIDS COURSES 2 AND 3-----	27.0	27.0
LAKE NICOLET CHANNEL-----	29.0	29.0
LAKE NICOLET ANCHORAGE-----	28.0	28.0
MIDDLE NEBBISH CHANNEL-----	27.0-28.0	27.0
WEST NEBBISH CHANNEL-----	27.5-28.5	27.5
LAKE MUNUSCONG CHANNEL-----	28.0	28.0
LIME ISLAND CHANNEL-----	29.0	29.0
DETOUR PASSAGE-----	29.0	29.0
PIPE ISLAND COURSE-----	29.0	29.0
WATSON REEF COURSE-----	30.0	30.0
CRAB ISLAND-----	30.0	30.0

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TRAFFIC OF PORTS		THROUGH TRAFFIC		TOTAL	
	TONS	PASSENGERS	TONS	PASSENGERS	TONS	PASSENGERS
1971-----	2,462,018	654,817	73,487,618	-----	75,949,636	604,817
1972-----	2,176,393	567,175	78,030,803	11	80,207,196	567,186
1973-----	3,127,401	552,310	94,469,926	-----	97,597,327	552,310
1974-----	3,239,472	565,752	83,561,966	-----	86,801,438	565,752
1975-----	2,562,671	586,223	75,596,828	-----	78,159,499	586,223
1976-----	2,705,825	634,731	76,224,912	1,774	78,930,737	636,505
1977-----	2,261,497	584,620	56,060,524	-----	58,322,023	584,620
1978-----	2,736,133	590,493	88,025,435	-----	90,761,568	590,493
1979-----	2,198,618	474,830	88,882,344	-----	91,080,962	474,830
1980-----	1,559,355	586,370	72,750,692	17,852	74,310,047	600,222

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ST. MARYS RIVER, MICH.--CONTINUED

FREIGHT TRAFFIC, 1980

UPBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC LAKEWISE	FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN		OVERSEAS	CANADIAN	LAKEWISE	OTHER
TOTAL-----	6,719,190	13,968	8,470,179	3,010,852	307	195,316	68,395	133
0011 FRESH FISH, EXCEPT SHELLFISH-----	134		1					133
1011 IRON ORE AND CONCENTRATES-----	88,160		88,160					
1121 COAL AND LIGNITE-----	4,093,703		2,471,016	1,613,619			9,072	
1411 LIMESTONE-----	1,607,742		749,830	702,646		155,266		
1442 SAND, GRAVEL, CRUSHED ROCK-----	190		190					
1499 NONMETALLIC MINERALS, NEC-----	124,504		124,504					
2001 ALCOHOLIC BEVERAGES-----	233				233			
2211 BASIC TEXTILE PRODUCTS-----	13,406	13,406						
2810 BASIC CHEMICALS AND PROD, NEC-----	12,148		7,926	4,222				
2911 GASOLINE-----	89,895			63,073			26,822	
2914 DISTILLATE FUEL OIL-----	121,625			96,572			25,053	
2919 RESIDUAL FUEL OIL-----	22,355			14,857		50	7,448	
3241 BUILDING CEMENT-----	515,867			515,867				
3281 CUT STONE AND STONE PRODUCTS-----	74				74			
3314 IRON AND STEEL PRIMARY FORMS-----	28,432		28,432					
3411 FABRICATED METAL PRODUCTS-----	1		1					
3511 MACHINERY, EXCEPT ELECTRICAL-----	39		28	11				
3611 ELECTRICAL MACH AND EQUIP-----	493		493					
4112 COMMODITIES, NEC-----	109		109					

DOWNBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS	
		FOREIGN		DOMESTIC LAKEWISE	FOREIGN	
		OVERSEAS	CANADIAN		CANADIAN	LAKEWISE
TOTAL-----	67,590,897	4,386,244	7,720,075	54,149,374	137,319	1,197,885
0102 BARLEY AND RYE-----	1,086,232	488,323	478,982	110,927		
0103 CORN-----	1,125,988	490,872	635,116			
0104 OATS-----	65,736	53,939	8,793	3,004		
0107 WHEAT-----	9,045,224	1,866,265	1,776,853	1,402,104		
0111 SOYBEANS-----	38,012	38,012				
0119 OILSEEDS, NEC-----	1,367,434	1,367,434				
0141 FRESH AND FROZEN VEGETABLES-----	242	242				
1011 IRON ORE AND CONCENTRATES-----	53,326,072		4,033,869	49,292,203		
1121 COAL AND LIGNITE-----	3,300,763			3,300,763		
1411 LIMESTONE-----	1,333,962				136,077	1,197,885
1412 BUILDING STONE, UNWORKED-----	38	38				
1442 SAND, GRAVEL, CRUSHED ROCK-----	12,425		12,425			
1491 CLAY-----	101,435		101,435			
1499 NONMETALLIC MINERALS, NEC-----	1,146				1,146	
2022 DRIED MILK AND CREAM-----	1,187	1,187				
2041 WHEAT FLOUR AND SEMOLINA-----	1,433	1,433				
2042 PREPARED ANIMAL FEEDS-----	36,674	36,674				
2049 GRAIN MILL PRODUCTS, NEC-----	16,997	16,997				
2081 ALCOHOLIC BEVERAGES-----	1		1			
2411 LOGS-----	2,870	2,870				
2421 LUMBER-----	11		11			
2431 VENEER, PLYWOOD, WORKED WOOD-----	6,962		6,962			
2611 PULP-----	15,334		15,334			
2631 PAPER AND PAPERBOARD-----	48,816		48,816			
2672 POTASSIC CHEM FERTILIZERS-----	11,211			11,211		
2673 PHOSPHATIC CHEM FERTILIZERS-----	566,917		566,917			
2911 GASOLINE-----	19,818			19,818		
2914 DISTILLATE FUEL OIL-----	1,342			1,342		
3011 RUBBER AND MISC PLASTIC PROD-----	96				96	
3241 BUILDING CEMENT-----	5,572		5,572			
3315 IRON, STEEL SHAPES, EXC SHEET-----	5		5			
3511 MACHINERY, EXCEPT ELECTRICAL-----	2		2			
3611 ELECTRICAL MACH AND EQUIP-----	3		3			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1		1			
3731 SHIPS AND BOATS-----	1		1			
4011 IRON AND STEEL SCRAP-----	50,910	21,926	28,984			
4112 COMMODITIES, NEC-----	25	25				

TONS, ALL TRAFFIC, 74,310,047.
TON-MILES, ALL TRAFFIC, 4,427,958,116.

ST. MARYS FALLS CANAL, MICHIGAN AND SAULT STE. MARIE,
ONTARIO SHIP CANAL, CANADA (INCLUDED IN ST. MARYS RIVER)

SECTION INCLUDED: AMERICAN AND CANADIAN NAVIGATION CANALS AND LOCKS AT ST. MARYS FALLS, SAULT STE. MARIE, MICH. AND ONTARIO.
CONTROLLING DEPTHS: SARIN LOCK 23.1, DAVIS LOCK 23.1, MACARTHUR LOCK 31.0, POE LOCK 32.0 AND 16.8 FEET CANADIAN CANAL. PROJECT DEPTHS:
SEE ST. MARYS RIVER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	73,176,550	166,450	1976-----	76,739,521	155,780
1972-----	77,610,332	158,934	1977-----	54,302,020	152,082
1973-----	94,071,821	155,792	1978-----	88,634,889	156,476
1974-----	83,302,741	144,176	1979-----	90,499,495	113,074
1975-----	75,225,477	145,944	1980-----	75,048,943	106,666

DETROIT, MICH., DISTRICT

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ST. MARYS FALLS CANAL, MICHIGAN AND SAULT STE. MARIE,
ONTARIO SHIP CANAL, CANADA (INCLUDED IN ST. MARYS RIVER)--CONTINUED

FREIGHT TRAFFIC, 1980

EASTBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC		
		FOREIGN	CANADIAN	DOMESTIC
		OVERSEAS	LAKEWISSE	
TOTAL-----	69,193,866	6,386,246	18,697,448	54,149,374
0102 BARLEY AND RYE-----	1,086,232	488,323	478,982	118,927
0103 CORN-----	1,125,988	490,872	635,116	---
0104 OATS-----	65,736	53,939	8,793	3,004
0107 WHEAT-----	9,045,824	1,866,265	1,776,893	1,402,106
0111 SOYBEANS-----	38,812	38,812	---	---
0119 OILSEEDS, NEC-----	1,367,434	1,367,434	---	---
0141 FRESH AND FROZEN VEGETABLES-----	242	242	---	---
1011 IRON ORE AND CONCENTRATES-----	56,292,967	---	7,060,384	49,292,203
1121 COAL AND LIGNITE-----	3,308,763	---	---	3,308,763
1412 BUILDING STONE, UNWORKED-----	38	38	---	---
1442 SAND, GRAVEL, CRUSHED ROCK-----	12,425	---	12,425	---
1451 CLAY-----	101,435	---	101,435	---
2022 DRIED MILK AND CREAM-----	1,187	1,187	---	---
2041 WHEAT FLOUR AND SEMOLINA-----	1,433	1,433	---	---
2042 PREPARED ANIMAL FEEDS-----	36,674	36,674	---	---
2049 GRAIN MILL PRODUCTS, NEC-----	16,997	16,997	---	---
2411 LOGS-----	2,870	2,870	---	---
2421 LUMBER-----	11	---	11	---
2431 VENEER, PLYWOOD, WORKED WOOD-----	6,962	---	6,962	---
2611 PULP-----	15,334	---	15,334	---
2631 PAPER AND PAPERBOARD-----	48,816	---	48,816	---
2672 POTASSIC CHEM FERTILIZERS-----	11,211	---	---	11,211
2673 PHOSPHATIC CHEM FERTILIZERS-----	566,917	---	566,917	---
2911 GASOLINE-----	19,818	---	---	19,818
2914 DISTILLATE FUEL OIL-----	1,342	---	---	1,342
3241 BUILDING CEMENT-----	5,500	---	5,500	---
3511 MACHINERY, EXCEPT ELECTRICAL-----	2	2	---	---
3611 ELECTRICAL MACH AND EQUIP-----	3	3	---	---
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1	1	---	---
3731 SHIPS AND BOATS-----	1	1	---	---
4011 IRON AND STEEL SCRAP-----	21,926	21,926	---	---
4112 COMMODITIES, NEC-----	29	29	---	---

WESTBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC		
		FOREIGN	CANADIAN	DOMESTIC
		OVERSEAS	LAKEWISSE	
TOTAL-----	5,859,877	13,968	2,831,097	3,010,852
0911 FRESH FISH, EXCEPT SHELLFISH-----	1	---	1	---
1121 COAL AND LIGNITE-----	4,084,631	---	2,471,016	1,613,615
1411 Limestone-----	947,978	---	245,332	702,646
1442 SAND, GRAVEL, CRUSHED ROCK-----	190	---	190	---
1499 NONMETALLIC MINERALS, NEC-----	106,472	---	106,472	---
2211 BASIC TEXTILE PRODUCTS-----	13,486	13,486	---	---
2819 BASIC CHEMICALS AND PROD, NEC-----	12,148	---	7,926	4,222
2911 GASOLINE-----	63,073	---	---	63,073
2914 DISTILLATE FUEL OIL-----	96,572	---	---	96,572
2915 RESIDUAL FUEL OIL-----	14,857	---	---	14,857
3241 BUILDING CEMENT-----	515,867	---	---	515,867
3411 FABRICATED METAL PRODUCTS-----	1	1	---	---
3511 MACHINERY, EXCEPT ELECTRICAL-----	39	28	11	---
3611 ELECTRICAL MACH AND EQUIP-----	453	453	---	---
4112 COMMODITIES, NEC-----	109	---	109	---

TONS, ALL TRAFFIC: 75,048,943.

DRUMMOND ISLAND, MICH. (INCLUDED IN ST. MARYS RIVER)

SECTION INCLUDED: PRIVATE LOADING DOCK ON ST. MARYS RIVER AT DRUMMOND ISLAND, MICH. CONTROLLING DEPTHS: 30 FEET TO AND FROM LAKE HURON; 27.0 FEET TO AND FROM LAKE SUPERIOR; 23 FEET AT DOCK. PROJECT DEPTH: SEE ST. MARYS RIVER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	2,045,120	126,274	1976-----	2,511,365	123,551
1972-----	1,784,051	106,957	1977-----	2,131,597	89,367
1973-----	2,732,803	114,767	1978-----	2,378,354	83,263
1974-----	2,909,592	131,444	1979-----	2,047,047	66,605
1975-----	2,341,074	113,374	1980-----	1,489,324	210,026

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

DRUMMOND ISLAND, MICH. (INCLUDED IN ST. MARYS RIVER)--CONTINUED

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC
		CANADIAN	LAKEWISE
		EXPORTS	SHIPMENTS
TOTAL-----	1,489,324	291,439	1,197,885
1411 LIMESTONE-----	1,489,228	291,343	1,197,885
3011 RUBBER AND MISC PLASTIC PROD-----	96	96	-----

GRAYS REEF PASSAGE, MICH.

SECTION INCLUDED: EAST CHANNEL, 3,000 FEET WIDE AND ABOUT 2 MILES LONG. CONTROLLING AND PROJECT DEPTHS: 25 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	7,588,948	-----	1976-----	5,899,432	6
1972-----	6,808,391	-----	1977-----	5,378,680	-----
1973-----	7,887,628	-----	1978-----	6,562,477	940
1974-----	5,741,092	-----	1979-----	7,690,697	-----
1975-----	5,467,947	-----	1980-----	6,020,552	-----

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			
		FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKEWISE	
		NORTHBOUND	NORTHBOUND	NORTHBOUND	SOUTHBOUND
TOTAL-----	6,020,552	1,482,117	2,823,574	1,337,148	377,713
0103 CORN-----	2,023,872	350,997	1,473,315	-----	-----
0104 OATS-----	2,389	1,643	746	-----	-----
0107 WHEAT-----	66	66	-----	-----	-----
0111 SOYBEANS-----	133,689	113,594	20,295	-----	-----
0129 FIELD CROPS, NEC-----	5	5	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	390	110	280	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	3,126	3,099	31	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	2	2	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	2	2	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	199	199	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	4	4	-----	-----	-----
1051 ALUMINUM DRES, CONCENTRATES-----	1	1	-----	-----	-----
1121 COAL AND LIGNITE-----	430,544	-----	7,435	91,444	331,665
1442 SAND, GRAVEL, CRUSHED ROCK-----	357,710	886	171	357,253	-----
1451 CLAY-----	296,637	138,746	67,891	-----	-----
1492 SULPHUR, DRY-----	2	2	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	66	66	-----	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	19	19	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	38,998	38,998	5	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	55,392	55,392	193	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	1,483	1,483	197	-----	-----
2021 DAIRY PRODUCTS, NEC-----	240	240	-----	-----	-----
2022 DRIED MILK AND CREAM-----	6,068	6,068	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	389	301	88	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	438	438	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	25,456	25,173	283	-----	-----
2042 PREPARED ANIMAL FEEDS-----	8,826	8,222	604	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	106,394	99,416	978	-----	-----
2081 ALCOHOLIC BEVERAGES-----	122	106	16	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	5,529	5,402	127	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	13,448	12,153	1,295	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	461	388	73	-----	-----
2311 APPAREL-----	1,373	1,366	7	-----	-----
2411 LOGS-----	23,085	23,085	-----	-----	-----
2421 LUMBER-----	1,848	1,848	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	6	6	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	1,033	1,008	25	-----	-----
2511 FURNITURE AND FIXTURES-----	109	98	11	-----	-----
2611 PULP-----	666	666	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	4,292	4,219	77	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	259	193	66	-----	-----
2711 PRINTED MATTER-----	1,202	1,111	91	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	59,856	1,818	188	57,820	-----
2821 PLASTIC MATERIALS-----	813	748	65	-----	-----
2822 SYNTHETIC RUBBER-----	67	67	-----	-----	-----
2831 DRUGS-----	173	166	7	-----	-----
2841 SOAP-----	389	246	143	-----	-----
2891 PAINTS-----	174	91	83	-----	-----
2861 GUM AND WOOD CHEMICALS-----	36	20	16	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	27,109	-----	4,200	22,909	-----
2876 INSECTICIDES, DISINFECTANTS-----	50	2	48	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	2,482	1,952	530	-----	-----
2911 GASOLINE-----	241,562	25	-----	241,537	-----
2914 DISTILLATE FUEL OIL-----	182,281	-----	-----	182,281	-----
2915 RESIDUAL FUEL OIL-----	7,886	-----	-----	7,886	-----
2916 LUBRICATING OILS AND GREASES-----	16,240	173	16,067	-----	-----
2918 ASPHALT, TAR, AND BITUMENS-----	140,193	103	-----	94,032	46,048
2920 COKE, PETROLEUM COKE-----	1,284,445	210,165	981,826	92,454	-----
2921 LIQUEFIED GASES-----	80	80	-----	-----	-----

DETROIT, MICH., DISTRICT

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GRAYS REEF PASSAGE; MICH.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			
		FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKEWISSE	LAKEWISSE
		NORTHBOUND	NORTHBOUND	NORTHBOUND	SOUTHBOUND
2991 PETROLEUM AND COAL PROD, NEC	10	10			
3011 RUBBER AND MISC PLASTIC PROD	351	241	110		
3111 LEATHER AND LEATHER PRODUCTS	314	218	96		
3211 GLASS AND GLASS PRODUCTS	200	196	4		
3241 BUILDING CEMENT	159,966	6		159,960	
3281 CUT STONE AND STONE PRODUCTS	132	132			
3291 MISC NONMETALLIC MINERAL PROD	86	77	9		
3312 SLAG	29,000			29,000	
3314 IRON AND STEEL PRIMARY FORMS	32,912	4,480	28,432		
3319 IRON, STEEL SHAPES, EXC SHEET	1,570	1,570			
3316 IRON AND STEEL PLATES, SHEETS	156,027	44,875	11,952		
3317 IRON AND STEEL PIPE AND TUBE	191	178	13		
3319 IRON AND STEEL PRODUCTS, NEC	2,079	213	2,766		
3321 NONFERROUS METALS, NEC	156	126	30		
3322 COPPER ALLOYS, UNWORKED	68	49	19		
3323 LEAD AND ZINC, UNWORKED	1,653	1,653			
3324 ALUMINUM AND ALLOYS, UNWORKED	110	10	100		
3411 FABRICATED METAL PRODUCTS	2,789	1,702	915		
3511 MACHINERY, EXCEPT ELECTRICAL	19,748	18,549	1,199		
3611 ELECTRICAL MACH AND EQUIP	5,295	5,063	232		
3711 MOTOR VEHICLES, PARTS, EQUIP	4,117	3,958	159		
3721 AIRCRAFT AND PARTS	8	8			
3731 SHIPS AND BOATS	67	67			
3791 MISC TRANSPORTATION EQUIPMENT	202	148	54		
3811 INSTR, TIME, PHOTO, OPT GOODS	240	196	44		
3911 MISC MANUFACTURED PRODUCTS	511	368	143		
4011 IRON AND STEEL SCRAP	185,964	185,964			
4012 NONFERROUS METAL SCRAP	1,675	1,532	143		
4112 COMMODITIES, NEC	73	67	6		
9999 DEPARTMENT OF DEFENSE AND SCI	114	114			

TRAVERSE CITY HARBOR, MICH.

SECTION INCLUDED: CITY OF TRAVERSE CITY AND THE BAY SHORE TO AND INCLUDING THE EXISTING FEDERAL PROJECT LOCATED ABOUT 1.25 MILES NORTH OF THE CITY LIMITS. CONTROLLING DEPTH: 14 AND 10 FEET AT THE EXISTING PROJECT. PROJECT DEPTH: 14 AND 10 FEET AT THE EXISTING PROJECT. NAVIGATION SEASON: MARCH 4 TO DECEMBER 31.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	308,475	1976	398,277
1972	446,244	1977	430,666
1973	422,447	1978	426,212
1974	405,156	1979	318,194
1975	364,777	1980	323,314

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	LAKEWISSE
	RECEIPTS
TOTAL	323,314
1121 COAL AND LIGNITE	24,933
2911 GASOLINE	280,529
2914 DISTILLATE FUEL OIL	89,252
3312 SLAG	9,600

FRANKFORT HARBOR, MICH.

SECTION INCLUDED: ENTRANCE CHANNEL AND ENTIRE AREA OF LAKE BETSIE. CONTROLLING DEPTH: 22 FEET FROM LAKE MICHIGAN TO 23 FEET IN OUTER BASIN; 22 FEET ENTRANCE CHANNEL TO LAKE BETSIE; 18 FEET IN THE INNER BASIN OF LAKE BETSIE AND 10 FEET IN RECREATIONAL ANCHORAGE AREA.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	1,563,448	29,666	1976	433,867	13,410
1972	1,393,101	21,614	1977	369,681	17,449
1973	1,176,446	15,076	1978	548,440	20,491
1974	801,645	13,021	1979	1,397,288	16,185
1975	644,659	14,077	1980	944,326	24,391

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

FRANKFORT HARBOR, MICH.--CONTINUED

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE	
		RECEIPTS	SHIPMENTS
TOTAL-----	944,526	598,853	345,673
0104 OATS-----	200	---	200
0107 WHEAT-----	200	---	200
0122 HAY AND FODDER-----	99	47	48
0141 FRESH AND FROZEN VEGETABLES-----	10,840	12,295	6,545
0162 ANIMALS AND PRODUCTS, NEC-----	125	125	---
0191 MISCELLANEOUS FARM PRODUCTS-----	325	45	280
0841 FOREST PRODUCTS, NEC-----	15	15	---
1021 COPPER ORE AND CONCENTRATES-----	420	420	---
1121 COAL AND LIGNITE-----	2,550	840	1,710
1412 BUILDING STONE, UNWORKED-----	50	50	---
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,240	2,240	---
1491 CLAY-----	37,144	29,784	7,360
1499 NATURAL FERTILIZER MATS, NEC-----	30	15	15
1499 NONMETALLIC MINERALS, NEC-----	2,535	2,055	480
2011 MEAT, FRESH, CHILLED, FROZEN-----	150	---	---
2012 MEAT AND PRODUCTS, NEC-----	340	340	---
2014 TALLOW, ANIMAL FATS AND OILS-----	660	660	---
2019 ANIMAL BY-PRODUCTS, NEC-----	1,275	1,225	50
2021 DAIRY PRODUCTS, NEC-----	2,386	1,936	450
2022 DAIRIED MILK AND CREAM-----	1,350	1,280	90
2031 FISH AND SHELLFISH, PREPARED-----	9,450	9,450	---
2031 VEGETABLES AND PREP, NEC-----	76,909	60,594	16,315
2039 PREP FRUIT AND VEG JUICE, NEC-----	19,910	14,365	5,545
2041 WHEAT FLOUR AND SEMOLINA-----	8,855	6,005	2,850
2042 PREPARED ANIMAL FEEDS-----	950	320	630
2049 GRAIN MILL PRODUCTS, NEC-----	9,515	7,310	2,205
2081 SUGAR-----	2,525	2,330	195
2081 ALCOHOLIC BEVERAGES-----	645	180	465
2091 VEGETABLE OILS, MARG, SHORT-----	100	---	100
2099 MISCELLANEOUS FOOD PRODUCTS-----	7,090	4,735	2,355
2211 BASIC TEXTILE PRODUCTS-----	199	199	---
2212 TEXTILE FIBERS, NEC-----	247	247	---
2414 TIMBER, POSTS, POLES, PILING-----	3,315	3,230	85
2415 PULPHOOD, LOG-----	300	---	300
2416 WOOD CHIPS, STAVES, HOLDINGS-----	445	250	195
2421 LUMBER-----	19,046	14,646	4,400
2431 VENEER, PLYWOOD, WORKED WOOD-----	77,343	65,710	11,633
2491 WOOD MANUFACTURES, NEC-----	3,940	2,780	760
2511 FURNITURE AND FIXTURES-----	423	336	87
2611 PULP-----	1,810	1,040	770
2621 STANDARD NEWSPRINT PAPER-----	29,120	25,970	3,150
2631 PAPER AND PAPERBOARD-----	183,177	82,102	121,075
2691 PULP AND PAPER PRODUCTS, NEC-----	20,542	17,722	2,820
2810 SODIUM HYDROXIDE-----	34,996	34,126	870
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	80	---	80
2819 BASIC CHEMICALS AND PROD, NEC-----	260	---	260
2821 PLASTIC MATERIALS-----	1,360	605	755
2822 SYNTHETIC RUBBER-----	320	240	80
2871 NITROGENOUS CHEM FERTILIZERS-----	1,800	100	1,700
2872 POTASSIC CHEM FERTILIZERS-----	17,600	17,000	600
2873 PHOSPHATIC CHEM FERTILIZERS-----	33,900	22,300	11,600
2876 INSECTICIDES, DISINFECTANTS-----	120	120	---
2879 FERTILIZER AND MATERIALS, NEC-----	2,620	875	1,745
2891 MISCELLANEOUS CHEMICAL PROD-----	51,519	34,239	17,280
2910 ASPHALT, TAR, AND PITCHES-----	66,310	65,800	510
2991 ASPHALT BUILDING MATERIALS-----	120	---	120
2991 PETROLEUM AND COAL PROD, NEC-----	320	---	320
3011 RUBBER AND MISC PLASTIC PROD-----	500	125	375
3111 LEATHER AND LEATHER PRODUCTS-----	30	---	30
3241 BUILDING CEMENT-----	6,730	1,550	5,180
3291 STRUCTURAL CLAY PRODUCTS-----	12,938	7,880	5,058
3291 CUT STONE AND STONE PRODUCTS-----	305	165	140
3291 MISC NONMETALLIC MINERAL PROD-----	12,145	11,760	385
3311 PIG IRON-----	2,210	420	1,790
3312 SLAG-----	80	---	80
3314 IRON AND STEEL PRIMARY FORMS-----	42,080	11,220	30,780
3315 IRON, STEEL SHAPES, EXC SHEET-----	46,085	13,920	32,565
3316 IRON AND STEEL PLATES, SHEETS-----	360	---	360
3317 IRON AND STEEL PIPE AND TUBE-----	17,440	---	17,440
3319 IRON AND STEEL PRODUCTS, NEC-----	8,395	440	7,955
3321 NONFERROUS METALS, NEC-----	1,110	1,095	15
3322 COPPER ALLOYS, UNWORKED-----	10,350	7,470	2,880
3324 ALUMINUM AND ALLOYS, UNWORKED-----	6,115	4,805	1,310
3411 FABRICATED METAL PRODUCTS-----	1,934	1,354	580
3511 MACHINERY, EXCEPT ELECTRICAL-----	565	105	460
3611 ELECTRICAL MACH AND EQUIP-----	196	70	126
3711 MOTOR VEHICLES, PARTS, EQUIP-----	9,134	3,577	5,557
3791 MISC TRANSPORTATION EQUIPMENT-----	920	230	690
3911 MISC MANUFACTURED PRODUCTS-----	2,888	834	2,054
4011 IRON AND STEEL SCRAP-----	240	30	210
4012 NONFERROUS METAL SCRAP-----	330	---	330
4022 TEXTILE WASTE, SCRAP, SHEEP-----	1,830	1,045	785
4024 PAPER WASTE AND SCRAP-----	1,885	650	1,215
4029 WASTE AND SCRAP, NEC-----	120	---	120

DETROIT, MICH., DISTRICT

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LUDINGTON HARBOR, MICH.

SECTION INCLUDED: ENTRANCE CHANNEL AND ENTIRE AREA OF PERE MARQUETTE LAKE, CONTROLLING DEPTHS: 23 FEET IN THE OUTER ENTRANCE BAR DECREASING TO 20 FEET THROUGH THE OUTER BASIN AND IN THE CHANNEL TO PERE MARQUETTE LAKE. PROJECT DEPTHS: 10 FEET TO PERE MARQUETTE LAKE. NAVIGATION SEASON: APRIL 2 TO DECEMBER 31.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	4,298,442	205,389	1976	2,330,774	196,216
1972	3,368,815	176,598	1977	2,448,983	169,871
1973	2,941,739	179,055	1978	2,397,920	118,806
1974	2,178,835	188,426	1979	2,764,888	133,765
1975	2,123,507	149,251	1980	2,129,001	134,272

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC		LOCAL
		CANADIAN	IMPORTS	RECEIPTS SHIPMENTS	
TOTAL	2,129,001	12	1,063,443	1,065,540	6
0102 BARLEY AND RYE	480		480		
0129 FIELD CROPS, NEC	3,459		3,419	40	
0131 FRESH FRUITS AND TREE NUTS	80			80	
0191 MISCELLANEOUS FARM PRODUCTS	4,615		4,223	392	
0911 FRESH FISH, EXCEPT SHELLFISH	6				6
1121 COAL AND LIGNITE	15,300		6,316	8,984	
1411 Limestone	723,808		723,808		
1442 SAND, GRAVEL, CRUSHED ROCK	284,866		8,435	276,431	
1451 CLAY	80			80	
1499 NONMETALLIC MINERALS, NEC	152,469			152,469	
2019 ANIMAL BY-PRODUCTS, NEC	2,081		200	1,881	
2021 DAIRY PRODUCTS, NEC	8,330		7,683	1,247	
2034 VEGETABLES AND PREP, NEC	7,620		5,270	2,350	
2041 WHEAT FLOUR AND SEMOLINA	19,465		19,465		
2042 PREPARED ANIMAL FEEDS	4,273		4,273		
2049 GRAIN MILL PRODUCTS, NEC	46,405		46,335	70	
2081 ALCOHOLIC BEVERAGES	1,507		1,507		
2099 MISCELLANEOUS FOOD PRODUCTS	12,743		8,509	4,234	
2415 PULPWOOD, LOG	30,816		12,590	18,226	
2421 LUMBER	34,001		25,883	8,118	
2431 VENEER, PLYWOOD, WORKED WOOD	11,501		11,501		
2491 WOOD MANUFACTURES, NEC	2,787		2,787		
2511 FURNITURE AND FIXTURES	180			180	
2611 PULP	13,209		5,670	7,539	
2621 STANDARD NEWSPRINT PAPER	17,124			17,124	
2631 PAPER AND PAPERBOARD	142,727		108,804	33,923	
2691 PULP AND PAPER PRODUCTS, NEC	29,548		2,200	27,348	
2819 BASIC CHEMICALS AND PROD, NEC	319,813			319,813	
2821 PLASTIC MATERIALS	16,702		14,911	1,791	
2841 SOAP	217		217		
2872 POTASSIC CHEM FERTILIZERS	100		100		
2891 MISCELLANEOUS CHEMICAL PROD	93,491		5,430	88,061	
3011 RUBBER AND MISC PLASTIC PROD	120			120	
3111 LEATHER AND LEATHER PRODUCTS	1,782		600	1,182	
3241 BUILDING CEMENT	3,242			3,242	
3316 IRON AND STEEL PLATES, SHEETS	568		100	468	
3317 IRON AND STEEL PIPE AND TUBE	4,482			4,482	
3411 FABRICATED METAL PRODUCTS	855		130	725	
3511 MACHINERY, EXCEPT ELECTRICAL	12,483	12	9,705	2,766	
3711 MOTOR VEHICLES, PARTS, EQUIP	17,935			17,935	
3731 SHIPS AND BOATS	295			95	200
3811 INSTR, TIME, PHOTO, OPT GOODS	270			270	
3911 MISC MANUFACTURED PRODUCTS	79,174		20,687	58,487	
4011 IRON AND STEEL SCRAP	6,761		2,405	4,356	
4024 PAPER WASTE AND SCRAP	1,231			39	1,196

MUSKEGON HARBOR, MICH.

SECTION INCLUDED: ENTRANCE CHANNEL AND ENTIRE AREA OF MUSKEGON LAKE, CONTROLLING DEPTHS: 29.0 FEET THROUGH THE OUTER PORTION OF PROJECT AND 27 FEET IN CHANNEL TO MUSKEGON LAKE. PROJECT DEPTH: VARYING FROM 29.0 FEET AT HARBOR ENTRANCE TO 28 FEET BETWEEN BREAKWATERS AND 27 FEET IN INNER CHANNEL. NAVIGATION SEASON: APRIL 7 TO DECEMBER 31.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	3,541,910	742	1976	2,270,826	
1972	2,835,823		1977	1,912,425	
1973	2,922,730		1978	1,992,476	
1974	2,508,138		1979	1,996,888	
1975	1,945,311		1980	1,235,313	

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MUSKEGON HARBOR, MICH.--CONTINUED

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC		LOCAL
		OVERSEAS	LAKEWISE	INTERNAL	
		IMPORTS	RECEIPTS	RECEIPTS	
TOTAL-----	1,235,315	9,627	1,212,651	12,998	39
0911 FRESH FISH, EXCEPT SHELLFISH-----	39				39
1121 COAL AND LIGNITE-----	1,089,778		1,089,778		
2871 NITROGENOUS CHEM FERTILIZERS-----	25,263		12,265	12,998	
2911 GASOLINE-----	21,936		21,936		
2914 DISTILLATE FUEL OIL-----	15,526		15,526		
3241 BUILDING CEMENT-----	73,151		73,151		
3318 FERROALLOYS-----	9,627	9,627			

GRAND HAVEN HARBOR AND GRAND RIVER, MICH.

SECTION INCLUDED: ENTIRE HARBOR, INCLUDING FERRYSBURG AND SPRING LAKE; AND GRAND RIVER FROM GRAND TRUNK RY. BRIDGE AT FERRYSBURG TO BASS RIVER ABOUT 15 MILES. CONTROLLING DEPTHS: 22 FEET IN ENTRANCE CHANNEL; 21 FEET TO THE MOUTH OF THE SOUTH CHANNEL; 19 FEET TO THE SAG; 20 FEET TO GRAND TRUNK RY. BRIDGE AT FERRYSBURG; 17 FEET IN THE TURNING BASIN; 17 FEET IN CHANNEL TO SPRING LAKE; THENCE 8 FEET TO MILE 17.0 AND 9 FEET TO THE END OF THE PROJECT. PROJECT DEPTHS: 23 FEET IN ENTRANCE CHANNEL; 21 FEET TO FERRYSBURG; 18 FEET IN CHANNEL TO SPRING LAKE; 8 FEET TO MOUTH OF BASS RIVER; MISCELLANEOUS SHOALS IN THE TURNING BASIN. NAVIGATION SEASON: MARCH 1 TO DECEMBER 31.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	3,134,058	1976-----	830,858
1972-----	2,977,109	1977-----	499,510
1973-----	2,504,551	1978-----	781,717
1974-----	2,215,873	1979-----	1,089,966
1975-----	1,138,133	1980-----	985,202

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC	
		CANADIAN	LAKEWISE	
		IMPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	585,202	70,374	394,433	160,395
1121 COAL AND LIGNITE-----	75,365		75,365	
1411 LIMESTONE-----	143,696		143,696	
1442 SAND, GRAVEL, CRUSHED ROCK-----	160,395			160,395
1499 NONMETALLIC MINERALS, NEC-----	53,153		53,153	
2873 PHOSPHATIC CHEM FERTILIZERS-----	17,221		17,221	
3312 SLAG-----	139,412		139,412	

HOLLAND HARBOR, MICH.

SECTION INCLUDED: ENTRANCE CHANNEL 24 FEET DECREASING TO 21 FEET DEEP AT THE OUTER END OF THE INNER PIER; THENCE A CHANNEL TO AND THROUGH LAKE MACATAWA TO THE WHARVES IN HOLLAND, MICHIGAN, A TURNING BASIN 18 FEET DEEP, A CHANNEL IN BLACK RIVER 21 FEET DEEP AND A SETTLING BASIN ABOVE THE BLACK RIVER CHANNEL TO THE STATE STREET BRIDGE. NAVIGATION SEASON: MARCH 13 TO DECEMBER 31.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	276,872	1976-----	338,735
1972-----	261,738	1977-----	377,122
1973-----	448,314	1978-----	419,916
1974-----	368,891	1979-----	491,492
1975-----	338,089	1980-----	263,177

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC
		OVERSEAS	CANADIAN	LAKEWISE
		IMPORTS	IMPORTS	RECEIPTS
TOTAL-----	263,177	4,322	23,786	235,069
0121 TOBACCO, LEAF-----	3	3		
1121 COAL AND LIGNITE-----	122,335			122,335
1411 LIMESTONE-----	78,162			78,162
1499 NONMETALLIC MINERALS, NEC-----	23,786		23,786	
3241 BUILDING CEMENT-----	8,272			8,272
3312 SLAG-----	34,300			34,300
3318 FERROALLOYS-----	4,319	4,319		

DETROIT, MICH., DISTRICT

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ST. JOSEPH HARBOR, MICH.

SECTION INCLUDED: ENTRANCE CHANNEL AND LOWER PORTION OF ST. JOSEPH RIVER TO AND INCLUDING BENTON HARBOR CANAL, CONTROLLING DEPTH: 24 FEET AT ENTRANCE; 24 FEET BETWEEN ENTRANCE PIERS AND IN THE RIVER TO THE MOUTH OF THE PAN PAN RIVER; WITH 1 FOOT OF SHOALING ALONG THE CHANNEL LIMITS; 17 FEET IN THE TURNING BASIN; AND 18 FEET AT BENTON HARBOR CANAL. PROJECT DEPTHS: 21 FEET AT ENTRANCE, AND IN CHANNEL AND RIVER TO THE MOUTH OF THE PAN PAN RIVER; 18 FEET IN TURNING BASIN AND THE BENTON HARBOR CANAL. NAVIGATION SEASON: MARCH 7 TO DECEMBER 31

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	426,871	1976-----	295,866
1972-----	475,139	1977-----	386,441
1973-----	465,417	1978-----	320,633
1974-----	433,873	1979-----	443,895
1975-----	244,963	1980-----	445,889

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE	
		RECEIPTS	SHIPMENTS
TOTAL-----	445,889	368,367	77,522
1121 COAL AND LIGNITE-----	11,925	11,925	-----
1411 LIMESTONE-----	172,030	172,030	-----
2914 DISTILLATE FUEL OIL-----	11,698	4,935	6,763
2915 RESIDUAL FUEL OIL-----	78,069	7,310	70,759
3241 BUILDING CEMENT-----	98,167	98,167	-----
3312 SLAB-----	81,200	81,200	-----

ALPENA HARBOR, MICH.

SECTION INCLUDED: LOWER 4,000 FEET OF RIVER AND PRIVATE HARBORS NORTH OF MOUTH OF THUNDER BAY RIVER, CONTROLLING DEPTH: 25 FEET IN THE BAY SECTION; 17 FEET IN RIVER; 15 FEET IN TURNING BASIN. PROJECT DEPTHS: CHANNEL 24 FEET DEEP FROM THAT DEPTH IN THUNDER BAY TO A POINT 2,500 FEET LAKEWARD OF THE LIGHTHOUSE; THENCE 23 FEET IN RIVER NARROWING TO 100-FOOT WIDTH AT A POINT 700 FEET UPSTREAM FROM THE LIGHTHOUSE; THENCE 100 FEET WIDE AND 22 FEET DEEP TO THE SECOND AVE. BRIDGE; THENCE 18.5 FEET DEEP AND 75 FEET WIDE TO THE UPPER LIMITS OF THE PROJECT; A TURNING BASIN 15 FEET DEEP BY 3.7 ACRES AT THE UPPER END OF PROJECT; AND A TURNING BASIN 18 FEET DEEP AT THE RIVER MOUTH. NAVIGATION SEASON: MARCH 15 TO DECEMBER 17.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	3,637,720	1976-----	2,835,479
1972-----	3,380,410	1977-----	3,084,934
1973-----	2,853,883	1978-----	3,283,682
1974-----	3,082,304	1979-----	2,942,149
1975-----	2,855,580	1980-----	2,737,030

FREIGHT TRAFFIC, 1980

(SHORT TONS)

		(MOUNT TONS)					
COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL	
		CANADIAN		LAKEWISE			
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS		
TOTAL-----	2,737,030	2,783	7,350	639,900	2,086,934	63	
0911 FRESH FISH, EXCEPT SHELLFISH-----	63	-----	-----	-----	-----	63	
1011 IRON ORE AND CONCENTRATES-----	12,296	-----	-----	12,296	-----	-----	
1121 COAL AND LIGNITE-----	582,195	-----	-----	582,195	-----	-----	
1499 NONMETALLIC MINERALS, NEC-----	27,684	-----	-----	27,684	-----	-----	
2911 GASOLINE-----	17,725	-----	-----	17,725	-----	-----	
2915 RESIDUAL FUEL OIL-----	2,783	2,783	-----	-----	-----	-----	
3241 BUILDING CEMENT-----	2,094,284	-----	7,350	-----	2,086,934	-----	

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SAGINAW RIVER, MICH.

SECTION INCLUDED: FROM THE MOUTH OF THE RIVER TO AND INCLUDING SAGINAW, MICHIGAN. CONTROLLING DEPTHS: 27 FEET FROM THE 25 FOOT CONTOUR IN SAGINAW BAY TO 19 FEET AT THE RIVER MOUTH 4 - 5 FEET MISC. SHOALING ALONG CHANNEL LIMITS; THENCE 24 FEET TO THE PENN CENTRAL R.R. BRIDGE; THENCE 22 FEET TO THE C&O R.R. BRIDGE IN SAGINAW, MICHIGAN; THENCE 16 FEET TO THE HOLLAND STREET BRIDGE; THENCE ABOUT 7 FEET OVER A WIDTH OF 100 FEET UPSTREAM TO GREEN POINT. CONTROLLING DEPTHS IN TURNING BASINS ARE: ESSEXVILLE - 19 AND 24 FEET; AIRPORT - 21 FEET; CARROLLTON - 19 FEET; SIXTH STREET - 20 FEET; BASIN AT 19 MILE POINT - 15 FEET. PROJECT DEPTHS: 27 FEET FROM THE DEEPWATER IN SAGINAW BAY TO THE RIVER MOUTH; 2 TO 3 FEET OF SHOALING ALONG THE CHANNEL LIMITS FROM THE BT & I R.R. BRIDGE TO MILE 7 IN THE BAY SECTION; THENCE 26 FEET FOR 0.4 MILE; THENCE 28 FEET TO THE PENN CENTRAL R.R. BRIDGE; THENCE 22 FEET TO THE C&O R.R. BRIDGE IN SAGINAW; THENCE 16.5 FEET TO THE UPSTREAM LIMIT AT GREEN POINT; 20 AND 25 FEET IN ESSEXVILLE TURNING BASIN; 22 FEET IN THE AIRPORT TURNING BASIN; 20 FEET IN THE CARROLLTON TURNING BASIN; 20 FEET IN THE SIXTH STREET TURNING BASIN AND 19 FEET IN THE TURNING BASIN AT THE 19 MILE POINT. NAVIGATION SEASON: MARCH 24 TO DECEMBER 31.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	4,847,133	1976-----	3,072,473
1972-----	4,386,273	1977-----	3,696,238
1973-----	4,095,978	1978-----	3,173,573
1974-----	4,180,075	1979-----	4,046,126
1975-----	2,705,330	1980-----	3,081,260

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			
		OVERSEAS		CANADIAN		LAKEWISE		INTERNAL	LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	SHIPMENTS	
TOTAL-----	3,081,260	5,889	34,390	314,116	312,000	2,062,138	93,728	788	298,307
0103 CORN-----	125,325				125,325				
0107 WHEAT-----	59,437				59,437				
0111 SOYBEANS-----	75,374				75,374				
0911 FRESH FISH, EXCEPT SHELLFISH-----	4								4
1121 COAL AND LIGNITE-----	637,704					637,704			
1411 LIMESTONE-----	1,222,428					1,222,428			
1442 SAND, GRAVEL, CRUSHED ROCK-----	298,303								298,303
1499 NONMETALLIC MINERALS, NEC-----	39,530			39,530					
2042 PREPARED ANIMAL FEEDS-----	21,864		21,864						
2211 BASIC TEXTILE PRODUCTS-----	1,944	1,944							
2817 BENZENE AND TOLUENE-----	19,110					19,110			
2819 BASIC CHEMICALS AND PROD, NEC-----	198,459		7,569	45,428	51,864	53,598			
2821 PLASTIC MATERIALS-----	1,260		1,260						
2841 SOAP-----	1,984		1,984						
2871 NITROGENOUS CHEM FERTILIZERS-----	22,909					22,909			
2872 POTASSIC CHEM FERTILIZERS-----	11,211					11,211			
2873 PHOSPHATIC CHEM FERTILIZERS-----	56,892			56,892					
2891 MISCELLANEOUS CHEMICAL PROD-----	381		381						
2911 GASOLINE-----	23,532					23,532			
2912 JET FUEL-----	13,913						13,913		
2914 DISTILLATE FUEL OIL-----	25,973					18,680	7,293		
2915 RESIDUAL FUEL OIL-----	5,643					5,643			
2917 NAPHTHA, PETROLEUM SOLVENTS-----	32,527						32,527		
3241 BUILDING CEMENT-----	209,063			172,248		36,815			
3291 MISC NONMETALLIC MINERAL PROD-----	8	8							
3312 SLAG-----	10,500					10,500			
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,596	1,596							
3316 IRON AND STEEL PLATES, SHEETS-----	627		627						
3317 IRON AND STEEL PIPE AND TUBE-----	259		259						
3319 IRON AND STEEL PRODUCTS, NEC-----	772		772						
3411 FABRICATED METAL PRODUCTS-----	832		132					700	
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,750		418	1,332					
3611 ELECTRICAL MACH AND EQUIP-----	17			17					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	133		133						
4112 COMMODITIES, NEC-----	1			1					

ST. CLAIR RIVER, MICH.

SECTION INCLUDED: ENTIRE LENGTH OF ST. CLAIR RIVER AND BLACK RIVER UP TO WASHINGTON AVENUE IN PORT HURON; CONTROLLING DEPTHS: 27 TO 30 FEET IN ST. CLAIR RIVER AT PORT HURON AND 20 FEET IN BLACK RIVER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TRAFFIC OF PORTS		THROUGH TRAFFIC		TOTAL	
	TONS	PASSENGERS	TONS	PASSENGERS	TONS	PASSENGERS
1971-----	5,688,999	212,853	97,203,128		102,892,128	202,853
1972-----	5,600,885	243,663	100,863,737	10	106,464,622	243,673
1973-----	4,572,884	258,866	114,336,877		118,909,761	258,866
1974-----	4,211,684	252,047	97,233,746	182	101,445,430	252,229
1975-----	3,411,744	235,590	88,099,532		91,511,276	235,590
1976-----	4,303,948	269,489	92,058,242	2,608	96,368,190	272,097
1977-----	5,746,025	282,098	77,004,441		82,750,466	282,096
1978-----	4,845,300	268,778	102,023,236	962	106,868,536	269,741
1979-----	4,845,848	281,784	107,845,489		112,691,057	281,784
1980-----	5,318,169	298,752	83,892,184		89,010,353	298,752

DETROIT, MICH., DISTRICT

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ST. CLAIR RIVER, MICH.--CONTINUED

FREIGHT TRAFFIC, 1960

UPBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC				RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC		FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKESIDE	CYREN	OVERSEAS	CANADIAN	LAKESIDE	
TOTAL-----	17,807,193	930,810	8,794,193	6,942,011	288	94	328,792	819,693	
0103 CORN-----	21,679			21,679					
0105 RICE-----	13								
0121 TOBACCO, LEAF-----	9,189	7,903		1,123				903	
0129 FIELD CROPS, NEC-----	110								
0141 FRESH AND FROZEN VEGETABLES-----	16								
0141 ANIMALS AND PRODUCTS, NEC-----	140								
0191 MISCELLANEOUS FARM PRODUCTS-----	23								
0801 FOREST PRODUCTS, NEC-----	28								
0911 FRESH FISH, EXCEPT SHELLFISH-----	1			1					
1011 IRON ORE AND CONCENTRATES-----	1,937,749	147,274	1,304,083				86,388		
1021 COPPER ORE AND CONCENTRATES-----	131						131		
1051 ALUMINUM ORES, CONCENTRATES-----	8								
1121 COAL AND LIGNITE-----	13,106,021		6,086,888	6,352,937				667,196	
1411 LIMESTONE-----	123,324		16,724	22,000				84,600	
1442 SAND, GRAVEL, CRUSHED ROCK-----	920		330	180					
1451 CLAY-----	205								
1499 NONMETALLIC MINERALS, NEC-----	809,266		667,776	141,402					
1911 ORDNANCE AND ACCESSORIES-----	10								
2012 MEAT AND PRODUCTS, NEC-----	3								
2031 FISH AND SHELLFISH, PREPARED-----	43								
2034 VEGETABLES AND PREP, NEC-----	1,251	1,189		22					
2039 PREP FRUIT AND VEG JUICE, NEC-----	57			28					
2042 PREPARED ANIMAL FEEDS-----	460								
2046 GRAIN MILL PRODUCTS, NEC-----	173		122	91					
2081 ALCOHOLIC BEVERAGES-----	17,188	16,805	383						
2091 VEGETABLE OILS, MARG, SHORT-----	68								
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,737	1,651	65						
2211 BASIC TEXTILE PRODUCTS-----	30,033	29,990	43						
2212 TEXTILE FIBERS, NEC-----	1,066	1,066							
2311 APPAREL-----	26								
2413 FUEL WOOD, CHARCOAL, WASTES-----	266	248	18						
2416 WOOD CHIPS, STAVES, MOLDINGS-----	1,640		1,640						
2421 LUMBER-----	107								
2431 VENEER, PLYWOOD, WORKED WOOD-----	44								
2491 WOOD MANUFACTURES, NEC-----	392								
2911 FURNITURE AND FIXTURES-----	182		11						
2811 PULP-----	4,503								
2831 PAPER AND PAPERBOARD-----	74,321	33,792	40,929						
2691 PULP AND PAPER PRODUCTS, NEC-----	13								
2711 PRINTED MATTER-----	187								
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	32,423		17,718	14,705				122	
2817 BENZENE AND TOLUENE-----	36,447			36,147					
2819 BASIC CHEMICALS AND PROD, NEC-----	295,754	7,299	248,432						
2821 PLASTIC MATERIALS-----	340	277	83						
2831 DRUGS-----	309		258	51					
2841 SOAP-----	199								
2851 PAINTS-----	1,230	1,188	22						
2873 PHOSPHATIC CHEM FERTILIZERS-----	13,600		13,600						
2876 INSECTICIDES, DISINFECTANTS-----	85								
2879 FERTILIZER AND MATERIALS, NEC-----	65								
2891 MISCELLANEOUS CHEMICAL PROD-----	36,592	4,656	31,936						
2911 GASOLINE-----	44,413			44,413					
2912 JET FUEL-----	121,448			121,448					
2914 DISTILLATE FUEL OIL-----	13,321			1,737					
2915 RESIDUAL FUEL OIL-----	415,712		2,799	123,624				11,584	
2916 LUBRICATING OILS AND GREASES-----	40,472	20	40,452					55,713	
2918 ASPHALT, TAR, AND PITCHES-----	61,645			61,645					
2920 COKE, PETROLEUM COKE-----	17,535	17,535							
2991 PETROLEUM AND COAL PROD, NEC-----	33								
3011 RUBBER AND MISC PLASTIC PROD-----	343	309	23						
3111 LEATHER AND LEATHER PRODUCTS-----	487		22						
3211 GLASS AND GLASS PRODUCTS-----	1,929	1,904							
3241 BUILDING CEMENT-----	234,932		234,932						
3291 STRUCTURAL CLAY PRODUCTS-----	628								
3291 CUT STONE AND STONE PRODUCTS-----	1,526	1,526							
3291 MISC NONMETALLIC MINERAL PROD-----	242		16						
3312 SLAG-----	21,953			21,953					
3314 IRON AND STEEL PRIMARY FORMS-----	9,855	9,839	16						
3315 IRON, STEEL SHAPES, EXC SHEET-----	488,750	487,810	940						
3316 IRON AND STEEL PLATES, SHEETS-----	2,465	2,465							
3317 IRON AND STEEL PIPE AND TUBE-----	12,531	12,511	20						
3318 FERROALLOYS-----	132,197	76,148	56,009						
3319 IRON AND STEEL PRODUCTS, NEC-----	6,740	6,740							
3321 NONFERROUS METALS, NEC-----	1,250								
3322 COPPER ALLOYS, UNWORKED-----	571	569	2						
3323 LEAD AND ZINC, UNWORKED-----	11,279	10,844	435						
3324 ALUMINUM AND ALLOYS, UNWORKED-----	4,826	998	3,828						
3411 FABRICATED METAL PRODUCTS-----	5,817	5,692	163						
3511 MACHINERY, EXCEPT ELECTRICAL-----	20,869	19,733	928						
3611 ELECTRICAL MACH AND EQUIP-----	1,344	1,272	42						
3711 MOTOR VEHICLES, PARTS, EQUIP-----	2,781	2,740	40						
3721 AIRCRAFT AND PARTS-----	2								
3731 SHIPS AND BOATS-----	2								
3791 MISC TRANSPORTATION EQUIPMENT-----	7,560	7,212	348						
3811 INSTR, TIME, PHOTO, OPT GOODS-----	26								
3911 MISC MANUFACTURED PRODUCTS-----	890	883	7						
4112 COMMODITIES, NEC-----	1,134	941	193						

ST. CLAIR RIVER, MICH.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

DOWNBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC	FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKEWISE	OVERSEAS	CANADIAN	LAKEWISE	OTHER
TOTAL-----	71,203,200	5,952,697	11,012,719	56,059,554	23,956	329,543	3,808,076	15,855
0101 COTTON, RAW-----	1,534	---	---	---	---	1,534	---	---
0102 BARLEY AND RYE-----	1,086,232	488,323	478,982	118,927	---	---	---	---
0103 CORN-----	3,202,506	841,429	2,360,968	---	---	---	---	---
0104 OATS-----	68,266	95,982	9,939	3,004	---	---	---	---
0105 RICE-----	15	---	---	---	---	---	---	---
0107 WHEAT-----	5,104,727	1,868,331	1,836,290	1,407,106	---	---	---	---
0111 SOYBEANS-----	247,318	191,606	95,669	---	---	---	---	---
0119 OILSEEDS, NEC-----	1,367,633	1,367,633	---	---	---	---	---	---
0129 FIELD CROPS, NEC-----	12	---	---	---	---	---	---	---
0131 FRESH FRUITS AND TREE NUTS-----	4,113	---	---	---	---	4,113	---	---
0132 BANANAS AND PLANTAINS-----	60	---	---	---	---	60	---	---
0133 COFFEE-----	8	---	---	---	---	8	---	---
0141 FRESH AND FROZEN VEGETABLES-----	9,272	352	280	---	3,710	4,930	---	---
0141 ANIMALS AND PRODUCTS, NEC-----	3,374	3,095	31	---	---	248	---	---
0191 MISCELLANEOUS FARM PRODUCTS-----	78	2	---	---	---	76	---	---
0841 CRUDE RUBBER AND ALLIED GUMS-----	3,012	---	---	---	---	3,012	---	---
0841 FOREST PRODUCTS, NEC-----	22	2	---	---	---	20	---	---
0911 FRESH FISH, EXCEPT SHELLFISH-----	199	199	---	---	---	---	---	---
0912 SHELLFISH, EXCEPT PREPARED-----	4	4	---	---	---	---	---	---
1011 IRON ORE AND CONCENTRATES-----	41,351,202	---	3,262,695	36,088,507	---	---	---	---
1051 ALUMINUM ORES, CONCENTRATES-----	701	1	---	---	---	790	---	---
1121 COAL AND LIGNITE-----	3,360,142	---	---	53,852	6,297	3,300,763	---	---
1411 LIMESTONE-----	9,844,918	---	1,050,814	6,431,777	---	734	361,993	---
1412 BUILDING STONE, UNWORKED-----	38	38	---	---	---	---	---	---
1442 SAND, GRAVEL, CRUSHED ROCK-----	382,034	286	12,596	357,253	---	11,899	---	---
1451 CLAY-----	320,618	138,746	169,326	---	---	12,546	---	---
1492 SULPHUR, DRY-----	2	2	---	---	---	---	---	---
1494 GYPSUM, CRUDE AND PLASTERS-----	529,528	---	---	529,528	---	---	---	---
1499 NONMETALLIC MINERALS, NEC-----	6,657	66	1,167	---	---	5,424	---	---
1811 ORDNANCE AND ACCESSORIES-----	19	19	---	---	---	---	---	---
2011 MEAT, FRESH, CHILLED, FROZEN-----	39,008	38,993	5	---	---	8	---	---
2014 TALLOW, ANIMAL FATS AND OILS-----	77,250	77,208	193	---	10	39	---	---
2019 ANIMAL BY-PRODUCTS, NEC-----	1,761	1,486	197	---	---	78	---	---
2021 DAIRY PRODUCTS, NEC-----	350	350	---	---	---	---	---	---
2022 DRIED MILK AND CREAM-----	14,092	14,081	---	---	---	11	---	---
2031 FISH AND SHELLFISH, PREPARED-----	39	---	---	---	---	39	---	---
2034 VEGETABLES AND PREP, NEC-----	1,114	301	88	---	---	725	---	---
2039 PREP FRUIT AND VEG JUICE, NEC-----	5,360	438	---	---	---	4,922	---	---
2041 WHEAT FLOUR AND SEMOLINA-----	31,232	30,949	283	---	---	---	---	---
2042 PREPARED ANIMAL FEEDS-----	92,930	66,887	64	---	17,180	8,259	---	---
2049 GRAIN MILL PRODUCTS, NEC-----	132,273	128,924	978	---	---	2,371	---	---
2082 MOLASSES-----	25	---	---	---	---	25	---	---
2081 ALCOHOLIC BEVERAGES-----	311	106	17	---	---	188	---	---
2091 VEGETABLE OILS, MARG, SHORT-----	6,447	5,402	127	---	---	918	---	---
2099 MISCELLANEOUS FOOD PRODUCTS-----	14,878	12,455	1,295	---	---	1,128	---	---
2211 BASIC TEXTILE PRODUCTS-----	1,239	388	73	---	3	775	---	---
2212 TEXTILE FIBERS, NEC-----	134	---	---	---	---	134	---	---
2311 APPAREL-----	1,395	1,366	7	---	18	4	---	---
2411 LOGS-----	26,677	25,955	---	---	---	722	---	---
2413 FUEL WOOD, CHARCOAL, WASTES-----	392	---	---	---	---	392	---	---
2414 TIMBER, POSTS, POLES, PILING-----	4,446	---	---	---	---	4,446	---	---
2416 WOOD CHIPS, STAVES, HOLDINGS-----	1,380	---	---	---	---	1,380	---	---
2421 LUMBER-----	10,845	1,848	11	---	---	8,986	---	---
2431 VENEER, PLYWOOD, WORKED WOOD-----	7,265	6	6,962	---	---	287	---	---
2491 WOOD MANUFACTURES, NEC-----	3,542	1,008	25	---	---	2,509	---	---
2511 FURNITURE AND FIXTURES-----	662	98	11	---	15	536	---	---
2611 PULP-----	2,121	666	---	---	231	1,224	---	---
2631 PAPER AND PAPERBOARD-----	57,341	6,449	48,893	---	---	2,039	---	---
2691 PULP AND PAPER PRODUCTS, NEC-----	889	193	66	---	2	628	---	---
2711 PRINTED MATTER-----	4,568	1,111	91	---	---	3,366	---	---
2812 DYES, PIGMENT, TANNING MATS-----	14	---	---	---	---	14	---	---
2813 ALCOHOLS-----	100	---	---	---	---	100	---	---
2819 BASIC CHEMICALS AND PROD, NEC-----	172,248	9,387	46,750	---	11	116,100	---	---
2821 PLASTIC MATERIALS-----	18,302	2,008	65	---	311	15,918	---	---
2822 SYNTHETIC RUBBER-----	6,880	---	67	---	---	6,813	---	---
2823 SYNTHETIC (MAN-MADE) FIBERS-----	61	---	---	---	---	61	---	---
2831 DRUGS-----	206	166	7	---	---	33	---	---
2841 SOAP-----	3,169	2,230	143	---	---	796	---	---
2851 PAINTS-----	1,777	91	43	---	---	1,603	---	---
2861 GUN AND WOOD CHEMICALS-----	2,959	20	16	---	---	2,923	---	---
2871 NITROGENOUS CHEM FERTILIZERS-----	4,551	---	4,200	---	---	351	---	---
2872 POTASSIC CHEM FERTILIZERS-----	373	---	---	---	---	373	---	---
2873 PHOSPHATIC CHEM FERTILIZERS-----	370,218	---	367,724	---	---	2,494	---	---
2876 INSECTICIDES, DISINFECTANTS-----	700	2	48	---	---	650	---	---
2879 FERTILIZER AND MATERIALS, NEC-----	209	---	---	---	---	209	---	---
2891 MISCELLANEOUS "CHEMICAL PROD-----	21,076	2,333	510	---	21	18,232	---	---
2911 GASOLINE-----	3,745	25	---	---	---	3,720	---	---
2914 DISTILLATE FUEL OIL-----	14,253	---	14,253	---	---	---	---	---
2919 RESIDUAL FUEL OIL-----	366,311	---	196,050	7,886	---	146,520	15,855	---
2916 LUBRICATING OILS AND GREASES-----	17,664	173	16,067	---	---	1,424	---	---
2918 ASPHALT, TAR, AND BITUMENS-----	94,135	103	94,032	---	---	---	---	---
2920 COKE, PETROLEUM COKE-----	1,284,154	210,165	976,251	92,454	---	5,284	---	---
2921 LIQUEFIED GASES-----	1,447	60	---	---	---	1,387	---	---
2991 PETROLEUM AND COAL PROD, NEC-----	29	10	---	---	---	19	---	---
3011 RUBBER AND MISC PLASTIC PROD-----	5,318	241	266	---	4	4,867	---	---
3111 LEATHER AND LEATHER PRODUCTS-----	331	218	96	---	---	17	---	---
3211 GLASS AND GLASS PRODUCTS-----	1,059	196	4	---	---	859	---	---
3241 BUILDING CEMENT-----	868,038	6	5,530	861,926	---	606	---	---
3251 STRUCTURAL CLAY PRODUCTS-----	1,725	---	---	---	---	1,725	---	---
3271 LIME-----	51	---	---	---	---	51	---	---
3281 CUT STONE AND STONE PRODUCTS-----	133	132	---	---	---	1	---	---

DETROIT, MICH., DISTRICT

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ST. CLAIR RIVER, MICH.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

DOWNBOUND--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC	FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKEWISE	OVERSEAS	CANADIAN	LAKEWISE	BYMEN
3291 MISC NONMETALLIC MINERAL PROD-----	651	77	9			569		
3312 SLAG-----	18,900			18,900				
3314 IRON AND STEEL PRIMARY FORMS-----	4,482	4,480				2		
3315 IRON, STEEL SHAPES, EXC SHEET-----	2,189	1,970				619		
3316 IRON AND STEEL PLATES, SHEETS-----	197,114	144,079	11,982			1,087		
3317 IRON AND STEEL PIPE AND TUBE-----	342	178	13			171		
3319 IRON AND STEEL PRODUCTS, NEC-----	3,344	213	2,744			345		
3321 NONFERROUS METALS, NEC-----	240	124	30		14	90		
3322 COPPER ALLOYS, UNWORKED-----	1,148	49	19			1,080		
3323 LEAD AND ZINC, UNWORKED-----	1,653	1,653						
3324 ALUMINUM AND ALLOYS, UNWORKED-----	598	10	108			440		
3411 FABRICATED METAL PRODUCTS-----	4,673	1,702	515	572	42	1,842		
3511 MACHINERY, EXCEPT ELECTRICAL-----	33,812	21,929	1,199		1,190	9,894		
3611 ELECTRICAL MACH AND EQUIP-----	9,231	5,066	232		242	3,691		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	22,168	3,997	159		806	17,206		
3721 AIRCRAFT AND PARTS-----	33	8				25		
3731 SHIPS AND BOATS-----	70	68				2		
3791 MISC TRANSPORTATION EQUIPMENT-----	1,333	148	54		6	1,125		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	581	198	44		24	317		
3911 MISC MANUFACTURED PRODUCTS-----	1,346	368	143			835		
4011 IRON AND STEEL SCRAP-----	237,705	207,890	28,984			831		
4012 NONFERROUS METAL SCRAP-----	2,075	1,532	143		72	328		
4022 TEXTILE WASTE, SCRAP, SWEEP-----	29					29		
4024 PAPER WASTE AND SCRAP-----	3,577				44	3,533		
4112 COMMODITIES, NEC-----	606					908		
9999 DEPARTMENT OF DEFENSE AND SCI-----	130	92	6			14		

TONS, ALL TRAFFIC, 89,010,353.
TON-MILES, ALL TRAFFIC, 3,174,690,562.

PORT HURON, MICH. (INCLUDED IN ST. CLAIR RIVER)

SECTION INCLUDED: WEST BANK OF THE ST. CLAIR RIVER FROM MOUTH OF RIVER TO GRAND TRUNK WESTERN RAILROAD BRIDGE AND BOTH BANKS OF THE BLACK RIVER UP TO WASHINGTON AVENUE IN PORT HURON, MICHIGAN. CONTROLLING DEPTHS: FROM LAKE ST. CLAIR TO STAG ISLAND, 27.1 FEET, IN THE STAG ISLAND TO PORT HURON CHANNEL AND THE FOOT OF LAKE HURON CHANNEL, 27.3 FEET AND 30 FEET RESPECTIVELY, IN THE BLACK RIVER, 17 FEET, FOR A WIDTH OF 70 FEET, FROM THE MOUTH TO 1,700 FEET UPSTREAM OF THE GRAND TRUNK WESTERN RAILROAD BRIDGE, AND 15 FEET FOR A WIDTH OF 50 FEET THROUGH THE SETTLING BASIN TO WASHINGTON AVENUE. PROJECT DEPTHS: IN THE ST. CLAIR RIVER, SLOPES FROM 38 FEET AT MOUTH TO 27.5 FEET AT GRAND TRUNK WESTERN RAILROAD BRIDGE. IN THE BLACK RIVER, 20 FEET FROM THE MOUTH TO THE UPPER END OF THE SETTLING BASIN, ABOUT 2,300 FEET UPSTREAM FROM THE GRAND TRUNK WESTERN RAILROAD BRIDGE.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1911-----	886,739		1976-----	244,591	3,214
1972-----	457,217		1977-----	325,890	4,600
1973-----	364,264	2,258	1978-----	647,097	
1974-----	308,098	3,602	1979-----	894,465	
1975-----	213,613	4,416	1980-----	695,640	

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC
		OVERSEAS		CANADIAN		LAKEWISE
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS
TOTAL-----	695,640	94	23,956	187,684	329,551	154,355
0101 COTTON, RAW-----	1,534				1,534	
0103 CORN-----	109				109	
0104 OATS-----	141				141	
0105 RICE-----	15				15	
0111 SOYBEANS-----	43				43	
0119 OILSEEDS, NEC-----	199				199	
0121 TOBACCO, LEAF-----	503			503		
0129 FIELD CROPS, NEC-----	7				7	
0131 FRESH FRUITS AND TREE NUTS-----	4,113				4,113	
0132 BANANAS AND PLANTAINS-----	60				60	
0133 COFFEE-----	8				8	
0141 FRESH AND FROZEN VEGETABLES-----	8,640		3,710		4,930	
0161 ANIMALS AND PRODUCTS, NEC-----	248				248	
0191 MISCELLANEOUS FARM PRODUCTS-----	76				76	
0841 CRUDE RUBBER AND ALLIED GUMS-----	3,012				3,012	
0861 FOREST PRODUCTS, NEC-----	20				20	
1011 IRON ORE AND CONCENTRATES-----	86,368			86,368		
1021 COPPER ORE AND CONCENTRATES-----	131			131		
1051 ALUMINUM ORES, CONCENTRATES-----	700				700	
1121 COAL AND LIGNITE-----	6,297				6,297	
1411 LIMESTONE-----	155,089				734	154,355
1442 SAND, GRAVEL, CRUSHED ROCK-----	11,899				11,899	
1491 CLAY-----	12,546				12,546	
1499 NONMETALLIC MINERALS, NEC-----	5,424				5,424	
2011 MEAT, FRESH, CHILLED, FROZEN-----	8				8	
2014 TALLOW, ANIMAL FATS AND OILS-----	49		10		39	
2015 ANIMAL BY-PRODUCTS, NEC-----	78				78	

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

PORT HURON, MICH. (INCLUDED IN ST. CLAIR RIVER)--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC LAKEWISE RECEIPTS
		OVERSEAS		CANADIAN		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	
2022 DRIED MILK AND CREAM	11					11
2031 FISH AND SHELLFISH, PREPARED	39					39
2034 VEGETABLES AND PREP, NEC	725					725
2039 PREP FRUIT AND VEG JUICE, NEC	4,922					4,922
2042 PREPARED ANIMAL FEEDS	25,439		17,180			8,259
2049 GRAIN MILL PRODUCTS, NEC	2,371					2,371
2062 MOLASSES	25					25
2081 ALCOHOLIC BEVERAGES	188					188
2091 VEGETABLE OILS, MARG, SHORT	918					918
2099 MISCELLANEOUS FOOD PRODUCTS	1,149			21		1,128
2211 BASIC TEXTILE PRODUCTS	778		3			775
2212 TEXTILE FIBERS, NEC	134					134
2311 APPAREL	22		18			4
2411 LOGS	722					722
2413 FUEL WOOD, CHARCOAL, WASTES	392					392
2414 TIMBER, POSTS, POLES, PILING	4,446					4,446
2416 WOOD CHIPS, STAVES, HOLDINGS	1,380					1,380
2421 LUMBER	8,986					8,986
2431 VENEER, PLYWOOD, WORKED WOOD	297					297
2491 WOOD MANUFACTURES, NEC	2,512	3				2,509
2511 FURNITURE AND FIXTURES	593			19		538
2611 PULP	1,455			231		1,224
2631 PAPER AND PAPERBOARD	2,039					2,039
2691 PULP AND PAPER PRODUCTS, NEC	630			2		628
2711 PRINTED MATTER	3,488					3,488
2812 DYES, PIGMENT, TANNING MATS	14					14
2813 ALCOHOLS	100					100
2819 BASIC CHEMICALS AND PROD, NEC	116,018	3	11			116,004
2821 PLASTIC MATERIALS	16,229		311			15,918
2822 SYNTHETIC RUBBER	6,813					6,813
2823 SYNTHETIC (MAN-MADE) FIBERS	61					61
2831 DRUGS	33					33
2841 SOAP	796					796
2851 PAINTS	1,623	20				1,603
2861 GUM AND WOOD CHEMICALS	2,923					2,923
2871 NITROGENOUS CHEM FERTILIZERS	351					351
2872 POTASSIC CHEM FERTILIZERS	373					373
2873 PHOSPHATIC CHEM FERTILIZERS	2,494					2,494
2876 INSECTICIDES, DISINFECTANTS	650					650
2879 FERTILIZER AND MATERIALS, NEC	209					209
2891 MISCELLANEOUS CHEMICAL PROD	18,213		21			18,192
2911 GASOLINE	3,720					3,720
2919 RESIDUAL FUEL OIL	100,641			100,641		
2916 LUBRICATING OILS AND GREASES	1,424					1,424
2920 COKE, PETROLEUM COKE	5,284					5,284
2921 LIQUEFIED GASES	1,387					1,387
2991 PETROLEUM AND COAL PROD, NEC	19					19
3011 RUBBER AND MISC PLASTIC PROD	4,878		4			4,878
3111 LEATHER AND LEATHER PRODUCTS	24	7				17
3211 GLASS AND GLASS PRODUCTS	880	21				859
3241 BUILDING CEMENT	606					606
3251 STRUCTURAL CLAY PRODUCTS	1,725					1,725
3271 LIME	51					51
3281 CUT STONE AND STONE PRODUCTS	1					1
3291 MISC NONMETALLIC MINERAL PROD	565	1				565
3314 IRON AND STEEL PRIMARY FORMS	2					2
3315 IRON, STEEL SHAPES, EXC SHEET	615					615
3316 IRON AND STEEL PLATES, SHEETS	1,087					1,087
3317 IRON AND STEEL PIPE AND TUBE	171					171
3319 IRON AND STEEL PRODUCTS, NEC	365					365
3321 NONFERROUS METALS, NEC	104		14			90
3322 COPPER ALLOYS, UNWORKED	1,080					1,080
3324 ALUMINUM AND ALLOYS, UNWORKED	440					440
3411 FABRICATED METAL PRODUCTS	1,886	2	42			1,842
3511 MACHINERY, EXCEPT ELECTRICAL	11,088		1,190			9,894
3611 ELECTRICAL MACH AND EQUIP	3,963	30	242			3,691
3711 MOTOR VEHICLES, PARTS, EQUIP	18,013	1	806			17,206
3721 AIRCRAFT AND PARTS	25					25
3731 SHIPS AND BOATS	2					2
3791 MISC TRANSPORTATION EQUIPMENT	1,131		6			1,125
3811 INSTR, TIME, PHOTO, OPT GOODS	341		24			317
3911 MISC MANUFACTURED PRODUCTS	837	2				835
4011 IRON AND STEEL SCRAP	831					831
4012 NONFERROUS METAL SCRAP	400		72			328
4022 TEXTILE WASTE, SCRAP, SWEEP	29					29
4024 PAPER WASTE AND SCRAP	3,548		44			3,504
4112 COMMODITIES, NEC	508					508
9999 DEPARTMENT OF DEFENSE AND SCI	16					16

DETROIT, MICH., DISTRICT

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MARYSVILLE, MICH. (INCLUDED IN ST. CLAIR RIVER)

SECTION INCLUDED: WEST BANK OF ST. CLAIR RIVER AT MARYSVILLE, MICH.; CONTROLLING DEPTH: 27.4 FEET; PROJECT DEPTH: AT LOW-WATER DATUM: 27.4 FEET TO AND FROM LAKE HURON; 27.1 FEET DOWNBOUND TO LAKE ST. CLAIR, WITH 2 TO 3 FEET OF SHOALING ALONG SOUTHERN LIMITS OF THE CUT-OFF CHANNEL AT THE INTERSECTION OF LAKE ST. CLAIR.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	678,924	1976-----	516,713
1972-----	633,656	1977-----	575,894
1973-----	606,591	1978-----	529,920
1974-----	577,663	1979-----	425,480
1975-----	559,728	1980-----	614,580

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	COASTWISE	DOMESTIC	
		CANADIAN		LAKEWISE	
		IMPORTS	SHIPMENTS	RECEIPTS	SHIPMENTS
TOTAL-----	614,580	120,669	15,855	289,339	188,717
1121 COAL AND LIGNITE-----	278,720			278,720	
2915 RESIDUAL FUEL OIL-----	335,860	120,669	15,855	10,619	188,717

ST. CLAIR, MICH. (INCLUDED IN ST. CLAIR RIVER)

SECTION INCLUDED: WEST BANK OF ST. CLAIR RIVER AT ST. CLAIR, MICH.; CONTROLLING DEPTH: 27.3 FEET; PROJECT DEPTH: 27.3 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	3,994,987	1976-----	3,555,109
1972-----	3,950,487	1977-----	4,586,145
1973-----	3,338,058	1978-----	3,519,784
1974-----	3,075,056	1979-----	3,286,404
1975-----	2,686,497	1980-----	3,726,267

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC	
		CANADIAN	LAKEWISE	
		IMPORTS	EXPORTS	RECEIPTS
TOTAL-----	3,726,867	12,266	125	3,713,876
1121 COAL AND LIGNITE-----	3,681,980			3,681,980
1411 LIMESTONE-----	17,815			17,815
2819 BASIC CHEMICALS AND PROD., NEC-----	96			96
2914 DISTILLATE FUEL OIL-----	11,584			11,584
2915 RESIDUAL FUEL OIL-----	15,163	12,266		2,897
4024 PAPER WASTE AND SCRAP-----	29		29	

MARINE CITY, MICH. (INCLUDED IN ST. CLAIR RIVER)

SECTION INCLUDED: WEST BANK OF ST. CLAIR RIVER AT MARINE CITY, MICH.; 21.5 MILES UPBOUND TO LAKE HURON; 19.2 MILES DOWNBOUND TO LAKE ST. CLAIR, MICH.; CONTROLLING DEPTH: 27 FEET; PROJECT DEPTH (AT LOW WATER DATUM): 27.3 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	113,772	145,699	1976-----	187,535	231,634
1972-----	159,510	202,738	1977-----	258,936	229,704
1973-----	252,704	200,800	1978-----	324,893	193,884
1974-----	232,521	197,291	1979-----	239,299	189,620
1975-----	145,661	208,788	1980-----	281,682	215,934

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE	
		RECEIPTS	
TOTAL-----		281,682	
1121 COAL AND LIGNITE-----		7,659	
1411 LIMESTONE-----		274,023	

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

CHANNELS IN LAKE ST. CLAIR

SECTION INCLUDED: IMPROVED SHIP CHANNELS CONNECTING ST. CLAIR RIVER AND DETROIT RIVER ACROSS LAKE ST. CLAIR, ENTRANCE CHANNELS TO MOUTH OF CLINTON RIVER AND THE CANADIAN CHANNEL TO THE MOUTH OF THE THAMES RIVER. CONTROLLING DEPTHS: 27.0 FEET IN THE MAIN CHANNEL WITH 2 FEET TO 3 FEET MISC. SHOALING ALONG CHANNEL LIMITS 6 FEET IN CHANNEL TO CLINTON RIVER. PROJECT DEPTHS: 27.5 FEET IN MAIN CHANNEL AND 6 FEET IN CLINTON RIVER CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	101,864,092	4	1976	92,441,331	5,822
1972	109,329,967	10	1977	77,647,245	4,822
1973	117,917,614	2,288	1978	102,197,942	962
1974	99,318,310	3,784	1979	107,708,762	
1975	88,954,454	4,416	1980	83,914,264	

FREIGHT TRAFFIC, 1980

UPBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			
		OVERSEAS	CANADIAN	LAKEWISE	OTHER
TOTAL	17,271,430	930,904	8,621,419	7,718,907	200
0103 CORN	21,675		21,675		
0109 RICE	13	13			
0121 TOBACCO, LEAF	8,686	7,963	1,123		
0129 FIELD CROPS, NEC	110	110			
0141 FRESH AND FROZEN VEGETABLES	16	16			
0161 ANIMALS AND PRODUCTS, NEC	140	140			
0191 MISCELLANEOUS FARM PRODUCTS	23	23			
0861 FOREST PRODUCTS, NEC	28	28			
0911 FRESH FISH, EXCEPT SHELLFISH	1		1		
1011 IRON ORE AND CONCENTRATES	1,537,745	147,274	1,390,471		
1051 ALUMINUM ORES, CONCENTRATES	8	8			
1121 COAL AND LIGNITE	13,106,821		4,086,688	7,020,133	
1411 LIMESTONE	123,324		16,724	106,600	
1442 SAND, GRAVEL, CRUSHED ROCK	520	330	190		
1451 CLAY	255	209			
1499 NONMETALLIC MINERALS, NEC	809,266	88	667,776	141,402	
1911 ORDONANCE AND ACCESSORIES	10	10			
2012 MEAT AND PRODUCTS, NEC	3	3			
2031 FISH AND SHELLFISH, PREPARED	43	43			
2034 VEGETABLES AND PREP, NEC	1,211	1,189	22		
2039 PREP FRUIT AND VEG JUICE, NEC	57	29	28		
2042 PREPARED ANIMAL FEEDS	440	440			
2049 GRAIN MILL PRODUCTS, NEC	173	122	51		
2081 ALCOHOLIC BEVERAGES	17,188	16,805	383		
2091 VEGETABLE OILS, MARG, SHORT	68	68			
2099 MISCELLANEOUS FOOD PRODUCTS	1,737	1,651	86		
2211 BASIC TEXTILE PRODUCTS	30,033	29,990	43		
2212 TEXTILE FIBERS, NEC	1,066	1,066			
2311 APPAREL	26	26			
2413 FUEL WOOD, CHARCOAL, WASTES	266	248	18		
2416 WOOD CHIPS, STAVES, HOLDINGS	1,660		1,660		
2421 LUMBER	107	107			
2431 VENEER, PLYWOOD, WORKED WOOD	44	44			
2491 WOOD MANUFACTURES, NEC	392	392			
2511 FURNITURE AND FIXTURES	182	171	11		
2611 PULP	4,503	4,503			
2631 PAPER AND PAPERBOARD	74,321	33,792	40,529		
2691 PULP AND PAPER PRODUCTS, NEC	13	12	1		
2711 PRINTED MATTER	65	65			
2811 CRUDE TAR, OIL, GAS PRODUCTS	14,705			14,705	
2817 BENZENE AND TOLUENE	36,147			36,147	
2819 BASIC CHEMICALS AND PROD, NEC	35,259	7,302	27,957		
2821 PLASTIC MATERIALS	360	277	83		
2831 DRUGS	309	256	51		
2841 SOAP	199	199			
2851 PAINTS	1,230	1,208	22		
2873 PHOSPHATIC CHEM FERTILIZERS	13,600		13,600		
2876 INSECTICIDES, DISINFECTANTS	85	85			
2879 FERTILIZER AND MATERIALS, NEC	85		85		
2891 MISCELLANEOUS CHEMICAL PROD	4,773	4,656	117		
2911 GASOLINE	44,413			44,413	
2912 JET FUEL	121,448			121,448	
2914 DISTILLATE FUEL OIL	13,321			13,321	
2915 RESIDUAL FUEL OIL	150,768		13,628	137,140	
2916 LUBRICATING OILS AND GREASES	40,472	20	40,452		
2918 ASPHALT, TAR, AND BITUMENS	61,645			61,645	
2920 COKE, PETROLEUM COKE	17,535	17,535			
2991 PETROLEUM AND COAL PROD, NEC	33	33			
3011 RUBBER AND MISC PLASTIC PROD	332	309	23		
3111 LEATHER AND LEATHER PRODUCTS	487	465	22		
3211 GLASS AND GLASS PRODUCTS	1,929	1,927	2		
3241 BUILDING CEMENT	234,932		234,932		
3251 STRUCTURAL CLAY PRODUCTS	628	628			
3261 CUT STONE AND STONE PRODUCTS	1,526	1,526			
3291 MISC NONMETALLIC MINERAL PROD	242	226	16		
3312 SLAG	21,953			21,953	
3314 IRON AND STEEL PRIMARY FORMS	9,859	9,839	16		
3315 IRON, STEEL SHAPES, EXC SHEET	488,750	487,810	940		
3316 IRON AND STEEL PLATES, SHEETS	2,465	2,465			
3317 IRON AND STEEL PIPE AND TUBE	17,531	12,511	20		
3318 FERROALLOYS	132,157	78,148	56,009		
3319 IRON AND STEEL PRODUCTS, NEC	6,740	6,740			
3321 NONFERROUS METALS, NEC	1,290	1,290			

DETROIT, MICH., DISTRICT

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CHANNELS IN LAKE ST. CLAIR--CONTINUED

FREIGHT TRAFFIC, 1966--CONTINUED

UPBOUND--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			
		FOREIGN	DOMESTIC		
		OVERSEAS	CANADIAN	LAKEWISE	OTHER
3322 COPPER ALLOYS, UNWORKED	971	569	2		
3323 LEAD AND ZINC, UNWORKED	11,279	10,844	435		
3324 ALUMINUM AND ALLOYS, UNWORKED	4,826	998	3,828		
3411 FABRICATED METAL PRODUCTS	9,817	9,854	163		
3511 MACHINERY, EXCEPT ELECTRICAL	20,665	19,737	928		200
3611 ELECTRICAL MACH AND EQUIP	1,344	1,302	42		
3711 MOTOR VEHICLES, PARTS, EQUIP	2,781	2,741	40		
3721 AIRCRAFT AND PARTS	2	2			
3731 SHIPS AND BOATS	2	2			
3791 MISC TRANSPORTATION EQUIPMENT	7,560	7,812	348		
3811 INSTR, TIME, PHOTO, OPT GOODS	26	26			
3911 MISC MANUFACTURED PRODUCTS	890	885	5		
4112 COMMODITIES, NEC	1,134	941	193		

DOWNBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			
		FOREIGN	DOMESTIC		
		OVERSEAS	CANADIAN	LAKEWISE	OTHER
TOTAL	66,642,834	5,976,653	10,444,252	58,266,074	15,055
0102 BARLEY AND RYE	1,086,232	488,323	478,982	118,927	
0103 CORN	3,202,397	841,429	2,360,968		
0104 OATS	68,125	55,882	9,539	3,004	
0107 WHEAT	5,104,727	1,866,831	1,836,290	1,402,106	
0111 SOYBEANS	247,275	191,606	95,669		
0119 OILSEEDS, NEC	1,367,434	1,367,434			
0129 FIELD CROPS, NEC	5	5			
0131 FRESH FRUITS AND TREE NUTS	107		107		
0141 FRESH AND FROZEN VEGETABLES	4,544	4,062	482		
0161 ANIMALS AND PRODUCTS, NEC	3,126	3,095	31		
0191 MISCELLANEOUS FARM PRODUCTS	2	2			
0861 FOREST PRODUCTS, NEC	2	2			
0911 FRESH FISH, EXCEPT SHELLFISH	199	199			
0912 SHELLFISH, EXCEPT PREPARED	4	4			
1011 IRON ORE AND CONCENTRATES	41,351,202		3,262,695	38,088,507	
1031 ALUMINUM ORES, CONCENTRATES	53,089	1		53,088	
1121 COAL AND LIGNITE	8,944,285		512,508	8,431,777	
1411 LIMESTONE	38	38			
1412 BUILDING STONE, UNWORKED	372,510	286	14,971	357,253	
1442 SAND, GRAVEL, CRUSHED ROCK	308,480	138,746	169,734		
1451 CLAY	2	2			
1492 SULPHUR, DRY	529,528			529,528	
1494 GYPSUM, CRUDE AND PLASTERS	1,233	66	1,167		
1499 NONMETALLIC MINERALS, NEC	19	19			
2011 MEAT, FRESH, CHILLED, FROZEN	38,998	38,993	5		
2014 TALLOW, ANIMAL FATS AND OILS	77,211	77,018	193		
2015 ANIMAL BY-PRODUCTS, NEC	1,683	1,486	197		
2021 DAIRY PRODUCTS, NEC	350	350			
2022 DRIED MILK AND CREAM	14,081	14,081			
2034 VEGETABLES AND PREP, NEC	389	381	88		
2039 PREP FRUIT AND VEG JUICE, NEC	438	438			
2041 WHEAT FLOUR AND SEMOLINA	31,232	30,949	283		
2042 PREPARED ANIMAL FEEDS	84,671	84,667	4		
2049 GRAIN MILL PRODUCTS, NEC	129,982	128,924	1,058		
2081 ALCOHOLIC BEVERAGES	123	106	17		
2091 VEGETABLE OILS, MARG, SHORT	5,529	5,402	127		
2099 MISCELLANEOUS FOOD PRODUCTS	13,750	12,455	1,295		
2211 BASIC TEXTILE PRODUCTS	464	391	73		
2311 APPAREL	1,391	1,384	7		
2411 LOGS	25,955	25,955			
2421 LUMBER	1,859	1,840	11		
2431 VENEER, PLYWOOD, WORKED WOOD	7,032	6	7,026		
2491 WOOD MANUFACTURES, NEC	1,033	1,008	25		
2511 FURNITURE AND FIXTURES	124	113	11		
2611 PULP	897	897			
2631 PAPER AND PAPERBOARD	55,393	6,447	48,946		
2691 PULP AND PAPER PRODUCTS, NEC	262	195	67		
2711 PRINTED MATTER	1,264	1,111	153		
2819 BASIC CHEMICALS AND PROD, NEC	53,458	9,398	44,060		
2821 PLASTIC MATERIALS	2,397	2,319	78		
2822 SYNTHETIC RUBBER	250		250		
2831 DRUGS	173	168	5		
2841 SOAP	2,394	2,230	164		
2891 PAINTS	174	91	83		
2891 GUM AND WOOD CHEMICALS	36	20	16		
2871 NITROGENOUS CHEM FERTILIZERS	4,200		4,200		
2873 PHOSPHOROUS CHEM FERTILIZERS	334,238		334,238		
2876 INSECTICIDES, DISINFECTANTS	50	2	48		
2891 MISCELLANEOUS CHEMICAL PROD	2,899	2,354	545		
2911 GASOLINE	25	25			
2914 DISTILLATE FUEL OIL	14,253		14,253		
2919 RESIDUAL FUEL OIL	366,311		196,050	154,406	15,855
2916 LUBRICATING OILS AND GREASES	16,240	173	16,067		
2918 ASPHALT, TAR, AND PITCHES	94,135	103		94,032	
2920 COKE, PETROLEUM COKE	1,278,940	218,169	976,321	92,450	
2921 LIQUEFIED GASES	60	60			

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

CHANNELS IN LAKE ST. CLAIR--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

DOWNBOUND--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			
		FOREIGN	CANADIAN	LAKEWISE	DOMESTIC OTHER
2991 PETROLEUM AND COAL PROD, NEC	10	10			
3011 RUBBER AND MISC PLASTIC PROD	452	249	207		
3111 LEATHER AND LEATHER PRODUCTS	328	218	110		
3211 GLASS AND GLASS PRODUCTS	200	196	4		
3241 BUILDING CEMENT	867,432	6	5,500	861,926	
3281 CUT STONE AND STONE PRODUCTS	132	132			
3291 MISC NONMETALLIC MINERAL PROD	86	77	9		
3312 SLAG	18,500			18,500	
3314 IRON AND STEEL PRIMARY FORMS	4,480	4,480			
3319 IRON, STEEL SHAPES, EXC SHEET	1,647	1,578	77		
3316 IRON AND STEEL PLATES, SHEETS	156,366	144,075	12,291		
3317 IRON AND STEEL PIPE AND TUBE	191	178	13		
3319 IRON AND STEEL PRODUCTS, NEC	2,979	213	2,766		
3321 NONFERROUS METALS, NEC	170	140	30		
3322 COPPER ALLOYS, UNWORKED	941	49	892		
3323 LEAD AND ZINC, UNWORKED	1,653	1,653			
3324 ALUMINUM AND ALLOYS, UNWORKED	118	118			
3411 FABRICATED METAL PRODUCTS	2,937	1,744	621	572	
3511 MACHINERY, EXCEPT ELECTRICAL	24,012	22,719	1,293		
3611 ELECTRICAL MACH AND EQUIP	5,630	5,308	322		
3711 MOTOR VEHICLES, PARTS, EQUIP	5,404	4,803	603		
3721 AIRCRAFT AND PARTS	8	8			
3731 SHIPS AND BOATS	68	68			
3791 MISC TRANSPORTATION EQUIPMENT	469	154	315		
3811 INSTR, TIME, PHOTO, OPT GOODS	269	220	49		
3911 MISC MANUFACTURED PRODUCTS	536	368	168		
4011 IRON AND STEEL SCRAP	236,976	207,090	29,086		
4012 NONFERROUS METAL SCRAP	1,747	1,604	143		
4024 PAPER WASTE AND SCRAP	44	44			
4112 COMMODITIES, NEC	98	92	6		
9999 DEPARTMENT OF DEFENSE AND SCI	130	114	16		

TONS, ALL TRAFFIC, 83,914,264.
TON-MILES, ALL TRAFFIC, 1,310,456,792.

DETROIT RIVER, MICH.

SECTION INCLUDED: ENTIRE LENGTH OF DETROIT RIVER AND ROUGE RIVER TO HEAD OF PROJECT, CONTROLLING DEPTHS: 25 TO 28.5 FEET AND 21 TO 25 FEET, RESPECTIVELY WITH 6 TO 7 FEET OF SHOALING ALONG THE CHANNEL LIMITS OF THE LOWER LIVINGSTONE AND EAST OUTER CHANNEL, AND WITH 2 TO 3 FEET OF SHOALING ALONG THE CENTER LINE THROUGHOUT THE CHANNELS, WITH PROJECT DEPTH IN THE REGULARLY TRAVELED SHIPPING LANES.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TRAFFIC OF PORTS		THROUGH TRAFFIC		TOTAL	
	TONS	PASSENGERS	TONS	PASSENGERS	TONS	PASSENGERS
1971	30,051,909	172	85,690,069	4	115,741,978	176
1972	29,913,128	229	89,777,917	10	119,691,045	239
1973	31,541,566	1,117,670	100,134,816	2	131,676,382	1,119,672
1974	27,562,952	1,141,012	82,952,901	182	110,515,853	1,141,194
1975	26,491,966	968,844	73,927,310		100,419,276	968,844
1976	26,407,938	837,725	78,143,875	2,608	104,551,813	840,333
1977	29,106,301	897,072	85,470,482	22	114,576,783	897,094
1978	25,681,508	867,826	87,130,324		112,811,832	867,826
1979	24,995,087	831,460	93,396,042		118,391,129	831,960
1980	19,278,914	494,706	72,793,919		92,072,833	494,708

FREIGHT TRAFFIC, 1980

UPBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC				RECEIPTS AND SHIPMENTS			
		FOREIGN	CANADIAN	LAKEWISE	OTHER	FOREIGN	CANADIAN	LAKEWISE	OTHER
TOTAL	24,606,831	930,904	8,646,001	7,921,008	200	410,723	805,231	6,019,723	272,443
0103 CORN	21,675		21,675						
0105 RICE	13		13						
0111 SOYBEANS	13,084		13,084						
0121 TOBACCO, LEAF	20,587	7,563	1,123			378	11,523		
0129 FIELD CROPS, NEC	111	110							
0141 FRESH AND FROZEN VEGETABLES	19	18							
0161 ANIMALS AND PRODUCTS, NEC	221	140					81		
0191 MISCELLANEOUS FARM PRODUCTS	51	23					28		
0841 CRUDE RUBBER AND ALLIED GUMS	35						35		
0861 FOREST PRODUCTS, NEC	49	28					20		
0911 FRESH FISH, EXCEPT SHELLFISH	4						3		
1011 IRON ORE AND CONCENTRATES	1,886,604	147,274	1,390,471				346,659		
1051 ALUMINUM ORES, CONCENTRATES	19	9					11		
1061 MANGANESE ORES, CONCENTRATES	21,826					21,826			
1121 COAL AND LIGNITE	18,703,887		6,186,608	7,020,133				5,597,066	
1411 LIMESTONE	207,227		31,340	106,670			6,432	62,846	
1442 SAND, GRAVEL, CRUSHED ROCK	564	330	190				44		
1451 CLAY	522	205				7	310		

DETROIT, MICH., DISTRICT

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DETROIT RIVER, MICH.--CONTINUED

FREIGHT TRAFFIC, 1968--CONTINUED

UPBOUND--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC				RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC		FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKENISE	OTHER	OVERSEAS	CANADIAN	LAKENISE	OTHER
1499 NONMETALLIC MINERALS, NEC-----	988,323	88	467,774	130,914	---	---	179,057	10,488	---
1911 ORDNANCE AND ACCESSORIES-----	12	10	---	---	---	---	2	---	---
2011 MEAT, FRESH, CHILLED, FROZEN-----	179	---	---	---	---	---	179	---	---
2012 MEAT AND PRODUCTS, NEC-----	7	3	---	---	---	---	3	---	---
2021 DAIRY PRODUCTS, NEC-----	10	---	---	---	---	---	10	---	---
2031 FISH AND SMELT/FISH, PREPARED-----	124	43	---	---	---	---	80	---	---
2034 VEGETABLES AND PREP, NEC-----	1,284	1,189	22	---	---	40	33	---	---
2039 PREP FRUIT AND VEG JUICE, NEC-----	144	29	28	---	---	2	105	---	---
2042 PREPARED ANIMAL FEEDS-----	480	440	---	---	---	---	40	---	---
2049 GRAIN MILL PRODUCTS, NEC-----	282	122	51	---	---	---	109	---	---
2081 ALCOHOLIC BEVERAGES-----	27,090	16,805	303	---	---	6,432	3,470	---	---
2091 VEGETABLE OILS, MARG, SHORT-----	75	68	---	---	---	---	7	---	---
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,999	1,651	86	---	---	15	247	---	---
2211 BASIC TEXTILE PRODUCTS-----	30,627	29,990	43	---	---	233	361	---	---
2212 TEXTILE FIBERS, NEC-----	1,613	1,066	---	---	---	59	492	---	---
2311 APPAREL-----	60	26	---	---	---	---	34	---	---
2413 FUEL WOOD, CHARCOAL, WASTES-----	335	248	18	---	---	69	---	---	---
2418 WOOD CHIPS, STAVES, HOLDINGS-----	1,661	1,660	---	---	---	---	1	---	---
2421 LUMBER-----	108	107	---	---	---	---	1	---	---
2431 VENEER, PLYWOOD, WORKED WOOD-----	104	44	---	---	---	35	25	---	---
2491 WOOD MANUFACTURES, NEC-----	433	392	8	---	---	4	29	---	---
2511 FURNITURE AND FIXTURES-----	620	171	11	---	---	203	435	---	---
2611 PULP-----	4,503	4,503	---	---	---	---	---	---	---
2631 PAPER AND PAPERBOARD-----	75,605	33,792	40,529	---	---	682	602	---	---
2691 PULP AND PAPER PRODUCTS, NEC-----	51	12	1	---	---	---	36	---	---
2711 PRINTED MATTER-----	353	65	---	---	---	43	249	---	---
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	21,082	---	---	14,705	---	18	106	2,784	3,469
2817 BENZENE AND TOLUENE-----	36,147	---	---	36,147	---	---	---	---	---
2819 BASIC CHEMICALS AND PROD, NEC-----	39,741	7,302	27,622	---	---	230	4,387	---	---
2821 PLASTIC MATERIALS-----	875	277	83	---	---	26	489	---	---
2831 DRUGS-----	357	258	51	---	---	6	42	---	---
2841 SOAP-----	314	199	---	---	---	1	114	---	---
2891 PAINTS-----	6,315	1,208	22	---	---	325	4,760	---	---
2873 PHOSPHATIC CHEM FERTILIZERS-----	13,601	---	13,600	---	---	---	1	---	---
2876 INSECTICIDES, DISINFECTANTS-----	126	85	---	---	---	---	41	---	---
2879 FERTILIZER AND MATERIALS, NEC-----	7,545	65	---	---	---	---	122	---	---
2891 MISCELLANEOUS CHEMICAL PROD-----	7,545	4,656	117	---	---	457	2,315	---	---
2911 GASOLINE-----	40,138	---	---	12,991	---	---	---	31,422	3,725
2912 JET FUEL-----	121,448	---	---	121,448	---	---	---	---	---
2914 DISTILLATE FUEL OIL-----	30,497	---	---	1,737	---	---	---	13,632	15,928
2915 RESIDUAL FUEL OIL-----	609,030	---	13,626	67,370	---	---	119,975	205,900	282,157
2916 LUBRICATING OILS AND GREASES-----	87,445	20	38,052	---	---	---	2,429	67,869	47,164
2918 ASPHALT, TAR, AND BITUMES-----	67,869	---	---	---	---	---	---	---	---
2920 COKE, PETROLEUM COKE-----	17,535	17,535	---	---	---	---	---	---	---
2991 PETROLEUM AND COAL PROD, NEC-----	33	33	---	---	---	---	---	---	---
3011 RUBBER AND MISC PLASTIC PROD-----	859	309	23	---	---	63	444	---	---
3111 LEATHER AND LEATHER PRODUCTS-----	1,149	465	22	---	---	31	631	---	---
3211 GLASS AND GLASS PRODUCTS-----	3,627	1,927	2	---	---	973	725	---	---
3241 BUILDING CEMENT-----	248,591	---	234,932	---	---	---	13,659	---	---
3251 STRUCTURAL CLAY PRODUCTS-----	2,597	628	---	---	---	694	1,275	---	---
3281 CUT STONE AND STONE PRODUCTS-----	3,008	1,526	---	---	---	688	794	---	---
3291 MISC NONMETALLIC MINERAL PROD-----	911	224	16	---	---	70	599	---	---
3311 PIG IRON-----	14,474	---	---	8,961	---	---	---	14,474	---
3312 SLAG-----	21,953	---	---	---	---	---	---	12,992	---
3314 IRON AND STEEL PRIMARY FORMS-----	18,478	9,839	16	---	---	5,699	2,924	---	---
3315 IRON, STEEL SHAPES, EXC SHEET-----	832,490	487,810	940	---	---	319,859	23,881	---	---
3316 IRON AND STEEL PLATES, SHEETS-----	6,188	2,465	---	---	---	2,211	1,512	---	---
3317 IRON AND STEEL PIPE AND TUBE-----	18,334	12,511	20	---	---	1,812	1,141	850	---
3318 FERROALLOYS-----	181,644	76,148	56,089	---	---	27,633	1,654	---	---
3319 IRON AND STEEL PRODUCTS, NEC-----	14,446	6,740	---	---	---	684	7,016	---	---
3321 NONFERROUS METALS, NEC-----	2,992	1,250	---	---	---	1,830	512	---	---
3322 COPPER ALLOYS, UNWORKED-----	1,555	549	2	---	---	33	959	---	---
3323 LEAD AND ZINC, UNWORKED-----	11,929	10,844	435	---	---	54	600	---	---
3324 ALUMINUM AND ALLOYS, UNWORKED-----	5,692	990	3,828	---	---	296	770	---	---
3411 FABRICATED METAL PRODUCTS-----	11,279	5,654	163	---	---	2,499	2,963	---	---
3511 MACHINERY, EXCEPT ELECTRICAL-----	49,256	19,737	928	---	200	5,465	22,724	---	---
3611 ELECTRICAL MACH AND EQUIP-----	5,530	1,302	42	---	---	448	3,747	---	---
3711 MOTOR VEHICLES, PARTS, EQUIP-----	24,635	2,741	40	---	---	2,624	19,230	---	---
3721 AIRCRAFT AND PARTS-----	2	2	---	---	---	---	---	---	---
3731 SHIPS AND BOATS-----	40	2	---	---	---	---	38	---	---
3791 MISC TRANSPORTATION EQUIPMENT-----	7,621	7,212	348	---	---	---	61	---	---
3811 INSTR, TIME, PHOTO, OPT GOODS-----	898	26	---	---	---	39	833	---	---
3811 MISC MANUFACTURED PRODUCTS-----	1,472	885	5	---	---	70	512	---	---
4011 IRON AND STEEL SCRAP-----	11,295	---	---	---	---	5,898	5,387	---	---
4012 NONFERROUS METAL SCRAP-----	343	---	---	---	---	24	319	---	---
4112 COMMODITIES, NEC-----	3,845	941	193	---	---	141	2,570	---	---

DOWNBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC				RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC		FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKENISE	OTHER	OVERSEAS	CANADIAN	LAKENISE	OTHER
TOTAL-----	67,466,002	5,976,693	10,431,797	39,270,943	15,659	534,739	162,955	11,050,355	22,749
0102 BARLEY AND RYE-----	1,086,232	488,323	478,982	118,927	---	---	---	---	---
0103 CORN-----	3,203,930	841,429	2,760,968	---	---	79	1,054	---	---
0104 OATS-----	68,185	55,582	9,539	3,064	---	---	68	---	---
0107 WHEAT-----	5,104,777	1,866,331	1,436,290	1,402,146	---	---	---	---	---

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

DETROIT RIVER, MICH.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

DOWNBOUND--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC				RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC		FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKEWISE	OTHER	OVERSEAS	CANADIAN	LAKEWISE	OTHER
0111 SOYBEANS-----	247,279	191,606	95,669						
0119 OILSEEDS, NEC-----	1,367,496	1,367,434				22			
0121 TOBACCO, LEAF-----	428		428						
0129 FIELD CROPS, NEC-----	31	5				26			
0131 FRESH FRUITS AND TREE NUTS-----	321		107				214		
0141 FRESH AND FROZEN VEGETABLES-----	53,731	4,062	482			11,008	38,179		
0161 ANIMALS AND PRODUCTS, NEC-----	3,376	3,095	31			7	243		
0191 MISCELLANEOUS FARM PRODUCTS-----	2	2							
0861 FOREST PRODUCTS, NEC-----	6	2					4		
0911 FRESH FISH, EXCEPT SHELLFISH-----	199	199							
0912 SHELLFISH, EXCEPT PREPARED-----	4	4							
1011 IRON ORE AND CONCENTRATES-----	41,351,202		3,262,695	30,849,105				7,243,402	
1091 ALUMINUM ORES, CONCENTRATES-----	1	1							
1091 NONFERROUS ORES, CONCENTRATES-----	20					20			
1411 COAL AND LIGNITE-----	53,082		53,082						
1411 LIMESTONE-----	8,945,097		512,508	9,497,224		18	794	2,934,553	
1412 BUILDING STONE, UNWORKED-----	38	38							
1442 SAND, GRAVEL, CRUSHED ROCK-----	372,658	286	14,971	357,293			148		
1491 CLAY-----	309,015	138,746	169,734			14	521		
1492 SULPHUR, DRY-----	2	2							
1494 GYPSUM, CRUDE AND PLASTERS-----	529,528			286,735				242,793	
1499 NONMETALLIC MINERALS, NEC-----	16,265	66	14,916				1,283		
1911 ORDNANCE AND ACCESSORIES-----	19	19							
2011 MEAT, FRESH, CHILLED, FROZEN-----	39,018	38,993	5			20			
2014 TALLOW, ANIMAL FATS AND OILS-----	101,730	77,018	193			24,519			
2015 ANIMAL BY-PRODUCTS, NEC-----	6,976	1,486	197			974	4,719		
2021 DAIRY PRODUCTS, NEC-----	350	350							
2022 DRIED MILK AND CREAM-----	14,096	14,081				9	6		
2034 VEGETABLES AND PREP. NEC-----	648	301	88				299		
2039 PREP. FRUIT AND VEG. JUICE, NEC-----	2,367	438				138	1,793		
2041 WHEAT FLOUR AND SEMOLINA-----	31,232	30,949	283						
2042 PREPARED ANIMAL FEEDS-----	85,458	84,067	604			193	594		
2049 GRAIN MILL PRODUCTS, NEC-----	132,657	128,924	978			1,959	796		
2081 ALCOHOLIC BEVERAGES-----	150	106	16				28		
2091 VEGETABLE OILS, MARG. SHORT-----	5,532	5,402	127			3			
2099 MISCELLANEOUS FOOD PRODUCTS-----	13,806	12,455	1,295			40	16		
2111 TOBACCO MANUFACTURES-----	18						18		
2211 BASIC TEXTILE PRODUCTS-----	555	391	73				91		
2311 APPAREL-----	1,954	1,384	7			222	341		
2411 LOGS-----	25,955	25,955							
2421 LUMBER-----	2,185	1,848	11				326		
2431 VENEER, PLYWOOD, WORKED WOOD-----	7,082	6	7,026				50		
2491 WOOD MANUFACTURES, NEC-----	1,195	1,008	25			25	137		
2511 FURNITURE AND FIXTURES-----	903	113	11			57	722		
2611 PULP-----	897	897							
2631 PAPER AND PAPERBOARD-----	55,968	6,449	48,944			291	324		
2691 PULP AND PAPER PRODUCTS, NEC-----	692	195	67			69	561		
2711 PRINTED MATTER-----	1,844	1,111	193			13	567		
2812 DYES, PIGMENT, TANNING MATS-----	5						5		
2819 BASIC CHEMICALS AND PROD. NEC-----	62,891	9,398	44,076			2,319	7,058		
2821 PLASTIC MATERIALS-----	5,473	2,319	78			207	2,869		
2822 SYNTHETIC RUBBER-----	251		250				1		
2841 DRUGS-----	570	166				133	26		
2841 SOAP-----	14,152	2,230	164			380	11,378		
2851 PAINTS-----	260	91	83			10	56		
2861 GUM AND WOOD CHEMICALS-----	36	20	16						
2871 NITROGENOUS CHEM. FERTILIZERS-----	4,200		4,200						
2873 PHOSPHATIC CHEM. FERTILIZERS-----	334,238		334,238						
2876 INSECTICIDES, DISINFECTANTS-----	416	2	48			11	355		
2891 MISCELLANEOUS CHEMICAL PROD-----	5,308	2,354	541			193	2,220		
2911 GASOLINE-----	52	25					7		
2913 KEROSENE-----	34					34			
2914 DISTILLATE FUEL OIL-----	30,969		14,293						
2915 RESIDUAL FUEL OIL-----	432,820		171,907	125,145	15,855		24,143	11,648	5,068
2916 LUBRICATING OILS AND GREASES-----	17,214	173	16,067			37	937	78,089	17,681
2918 ASPHALT, TAR, AND BITUMENS-----	153,446	103					4,563	148,780	
2920 COKE, PETROLEUM COKE-----	1,291,236	210,145	976,321	92,454			12,296		
2921 LIQUEFIED GASES-----	60	60							
2991 ASPHALT BUILDING MATERIALS-----	9						9		
2991 PETROLEUM AND COAL PROD. NEC-----	10	10							
3011 RUBBER AND MISC. PLASTIC PROD-----	2,384	249	207			120	1,792		
3111 LEATHER AND LEATHER PRODUCTS-----	392	218	110				64		
3211 GLASS AND GLASS PRODUCTS-----	3,314	196	4			152	2,962		
3241 BUILDING CEMENT-----	879,103	6	5,900	480,836			11,671	381,698	
3251 STRUCTURAL CLAY PRODUCTS-----	92						92		
3291 CUT STONE AND STONE PRODUCTS-----	132	132							
3291 MISC. NONMETALLIC MINERAL PROD-----	149	77	9			1	62		
3312 SLAG-----	18,900		8,590					10,080	
3314 IRON AND STEEL PRIMARY FORMS-----	13,902	4,480				8,928	494		
3315 IRON, STEEL SHAPES, EXC. SHEET-----	1,964	1,970	77			32	285		
3316 IRON AND STEEL PLATES, SHEETS-----	175,596	144,075	12,291			18,932	288		
3317 IRON AND STEEL PIPE AND TUBE-----	1,487	178	13			75	1,221		
3319 IRON AND STEEL PRODUCTS, NEC-----	3,051	213	2,766			5	67		
3321 NONFERROUS METALS, NEC-----	467	140	35			23	269		
3322 COPPER ALLOYS, UNWORKED-----	945	49	892				4		
3323 LEAD AND ZINC, UNWORKED-----	2,286	1,653				560	73		
3324 ALUMINUM AND ALLOYS, UNWORKED-----	398	10	108			1	279		
3411 FABRICATED METAL PRODUCTS-----	6,818	1,744	621	572		421	3,460		
3511 MACHINERY, EXCEPT ELECTRICAL-----	28,292	22,719	1,293			1,180	3,108		
3611 ELECTRICAL MACH. AND EQUIP-----	9,552	5,308	322			1,897	2,825		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	11,331	4,803	683			1,447	4,476		
3721 AIRCRAFT AND PARTS-----	12	8				4			
3731 SHIPS AND BOATS-----	79	68					11		

DETROIT, MICH., DISTRICT

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DETROIT RIVER, MICH.;--CONTINUED
FREIGHT TRAFFIC, 1980--CONTINUED
DOWNBOUND--CONTINUED
(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC				RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC		FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKEWISE	OTHER	OVERSEAS	CANADIAN	LAKEWISE	OTHER
3791 MISC TRANSPORTATION EQUIPMENT--	476	154	315	-----	-----	-----	7	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS--	504	220	49	-----	-----	143	92	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	1,192	360	168	-----	-----	99	557	-----	-----
4011 IRON AND STEEL SCRAP-----	696,764	207,890	26,537	-----	-----	497,864	4,473	-----	-----
4012 NONFERRROUS METAL SCRAP-----	6,881	1,604	143	-----	-----	989	4,175	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	6	-----	-----	-----	-----	-----	6	-----	-----
4024 PAPER WASTE AND SCRAP-----	81	44	-----	-----	-----	37	-----	-----	-----
4112 COMMODITIES, NEC-----	231	92	6	-----	-----	27	106	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI--	163	114	16	-----	-----	-----	33	-----	-----

TONS, ALL TRAFFIC, 92,072,833.
TON-MILES, ALL TRAFFIC, 2,507,683,094.

DETROIT HARBOR, MICH. (INCLUDED IN PORT OF DETROIT)

SECTION INCLUDED: U.S. BANK OF DETROIT RIVER FROM LAKE ST. CLAIR TO WESTERN EXTREME OF ZUG ISLAND. CONTROLLING DEPTH: CHANNEL NORTH OF BELLE ISLE 21 FEET. REMAINDER OF RIVER 29-28.5 FEET. PROJECT DEPTH: 28.5 FEET EXCEPT CHANNEL NORTH OF BELLE ISLE, 21 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	12,755,891	172	1976-----	10,371,555	837,729
1972-----	11,939,006	229	1977-----	7,856,878	896,870
1973-----	13,266,519	1,110,670	1978-----	9,805,915	866,866
1974-----	11,230,023	994,686	1979-----	8,316,331	831,860
1975-----	11,103,247	848,124	1980-----	5,894,627	484,708

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC	
		OVERSEAS		CANADIAN		LAKEWISE	LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	LOCAL
TOTAL-----	5,894,627	303,300	117,300	673,998	118,890	4,602,499	79,120
0103 CORN-----	1,133	-----	79	-----	1,054	-----	-----
0104 OATS-----	60	-----	-----	-----	60	-----	-----
0119 OILSEEDS, NEC-----	22	-----	22	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	11,901	378	-----	11,523	-----	-----	-----
0129 FIELD CROPS, NEC-----	27	-----	26	1	-----	-----	-----
0131 FRESH FRUITS AND TREE NUTS-----	214	-----	-----	-----	214	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	49,187	-----	11,008	-----	38,179	-----	-----
0181 ANIMALS AND PRODUCTS, NEC-----	331	-----	7	81	243	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	28	-----	-----	28	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	35	-----	-----	35	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	24	-----	-----	24	4	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	3	-----	-----	3	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	2,573,108	-----	-----	348,859	-----	2,224,249	-----
1091 ALUMINUM ORES, CONCENTRATES-----	11	-----	-----	11	-----	-----	-----
1091 NONFERRROUS ORES, CONCENT, NEC-----	20	-----	20	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	1,415,448	-----	-----	-----	-----	1,415,448	-----
1411 LIMESTONE-----	989,499	-----	10	12	7,214	978,495	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	192	-----	-----	44	148	-----	-----
1491 CLAY-----	852	7	14	310	521	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	71,232	-----	-----	69,949	1,283	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	2	-----	-----	2	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	199	-----	20	179	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	3	-----	-----	3	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	23,124	-----	23,124	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	5,293	-----	574	-----	4,719	-----	-----
2021 DAIRY PRODUCTS, NEC-----	10	-----	-----	10	-----	-----	-----
2022 DRIED MILK AND CREAM-----	15	-----	9	-----	6	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	81	1	-----	80	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	332	40	-----	33	259	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	2,036	2	136	105	1,793	-----	-----
2042 PREPARED ANIMAL FEEDS-----	827	-----	193	40	594	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	2,884	-----	1,959	109	796	-----	-----
2081 ALCOHOLIC BEVERAGES-----	9,694	6,156	-----	3,471	27	-----	-----
2091 VEGETABLE OILS, HARD, SHORT-----	10	-----	3	7	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	318	15	40	247	16	-----	-----
2111 TOBACCO MANUFACTURES-----	18	-----	-----	-----	18	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	685	233	-----	361	91	-----	-----
2212 TEXTILE FIBERS, NEC-----	947	95	-----	492	-----	-----	-----
2311 APPAREL-----	997	-----	222	34	341	-----	-----
2413 FUEL WOOD, CHARCOAL, WASTES-----	69	69	-----	-----	-----	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	1	-----	-----	1	-----	-----	-----
2421 LUMBER-----	327	-----	-----	-----	326	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	75	-----	-----	25	50	-----	-----
2491 WOOD MANUFACTURES, NEC-----	195	4	25	29	137	-----	-----
2511 FURNITURE AND FIXTURES-----	1,417	203	57	439	722	-----	-----
2611 PAPER AND PAPERBOARD-----	1,849	882	241	662	324	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	668	-----	69	38	561	-----	-----
2711 PRINTED MATTER-----	868	43	13	245	567	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	124	16	-----	106	-----	-----	-----

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

DETROIT HARBOR, MICH. (INCLUDED IN PORT OF DETROIT)--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC	
		OVERSEAS		CANADIAN		LAKEWISE	LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	
2812 DYES, PIGMENT, TANNING MATS-----	5					5	
2819 BASIC CHEMICALS AND PROD, NEC-----	13,465	230	1,790	4,252	7,193		
2821 PLASTIC MATERIALS-----	3,991	26	207	489	2,669		
2822 SYNTHETIC RUBBER-----	1					1	
2831 DRUGS-----	465	6	133	42	264		
2841 SOAP-----	11,898	1	365	114	11,378		
2891 PAINTS-----	5,171	325	30	4,760	96		
2873 PHOSPHATIC CHEM FERTILIZERS-----	1			1			
2876 INSECTICIDES, DISINFECTANTS-----	407		11	41	395		
2879 FERTILIZER AND MATERIALS, NEC-----	122			122			
2891 MISCELLANEOUS CHEMICAL PROD-----	4,995	267	193	2,315	2,220		
2911 GASOLINE-----	7					7	
2913 KEROSENE-----	34						
2914 DISTILLATE FUEL OIL-----	2,894		34				2,896
2919 RESIDUAL FUEL OIL-----	215,312			136,721		2,367	76,224
2916 LUBRICATING OILS AND GREASES-----	1,003		37	29	937		
2918 ASPHALT, TAR, AND PITCHES-----	4,563				4,563		
2951 ASPHALT BUILDING MATERIALS-----	9				9		
3011 RUBBER AND MISC PLASTIC PROD-----	2,438	63	119	464	1,792		
3111 LEATHER AND LEATHER PRODUCTS-----	726	31		631	64		
3211 GLASS AND GLASS PRODUCTS-----	3,923	44	152	725	2,962		
3241 BUILDING CEMENT-----	381,090					381,090	
3291 STRUCTURAL CLAY PRODUCTS-----	2,002	635		1,275	92		
3281 CUT STONE AND STONE PRODUCTS-----	1,482	688		794			
3291 MISC NONMETALLIC MINERAL PROD-----	732	70	1	399	62		
3314 IRON AND STEEL PRIMARY FORMS-----	7,997	4,579		2,924	494		
3315 IRON, STEEL SHAPES, EXC SHEET-----	273,633	267,349	32	5,967	285		
3316 IRON AND STEEL PLATES, SHEETS-----	19,413	2,010	11,896	219	288		
3317 IRON AND STEEL PIPE AND TUBE-----	9,805	1,718	75	1,141	1,221	850	
3318 FERROALLOYS-----	1,654			1,654			
3319 IRON AND STEEL PRODUCTS, NEC-----	7,790		5	7,016	67		
3321 NONFERROUS METALS, NEC-----	938	134	23	812	269		
3322 COPPER ALLOYS, UNWORKED-----	992	33		955	4		
3323 LEAD AND ZINC, UNWORKED-----	1,283		560	608	73		
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,344	264	1	770	279		
3411 FABRICATED METAL PRODUCTS-----	9,339	2,469	417	2,963	3,460		
3911 MACHINERY, EXCEPT ELECTRICAL-----	31,538	4,532	1,180	22,726	3,100		
3411 ELECTRICAL MACH AND EQUIP-----	8,039	370	1,097	3,747	2,825		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	27,723	2,581	1,434	19,230	4,478		
3721 AIRCRAFT AND PARTS-----	4		4				
3731 SHIPS AND BOATS-----	49			38	11		
3791 MISC TRANSPORTATION EQUIPMENT-----	68			61	7		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,107	39	143	833	92		
3911 MISC MANUFACTURED PRODUCTS-----	1,236	48	99	512	557		
4011 IRON AND STEEL SCRAP-----	74,155	5,898	58,397	7,936	1,924		
4012 NONFERROUS METAL SCRAP-----	5,440	24	922	319	4,175		
4022 TEXTILE WASTE, SCRAP, SWEEP-----	6				6		
4024 PAPER WASTE AND SCRAP-----	37		37				
4112 COMMODITIES, NEC-----	2,829	126	27	2,870	106		
9999 DEPARTMENT OF DEFENSE AND SCI-----	33				33		

ROUGE RIVER, MICH. (INCLUDED IN PORT OF DETROIT)

SECTION INCLUDED: FROM THE MOUTH OF THE SHORT CUT CANAL TO THE FORD MOTOR COMPANY, CONTROLLING DEPTH: 20 FEET FOR A MINIMUM WIDTH OF 100 FEET FROM THE MOUTH OF THE SHORT CUT TO DIX AVENUE BRIDGE, WITH THE EXCEPTION OF SOME SHOAL AREAS, AND 20 FEET IN THE TURNING BASIN, EXCEPT NEAR THE SHORE, PROJECT DEPTH: 21.0 AND 25 FEET FROM MOUTH OF SHORT CUT CANAL TO A POINT 200 FEET DOWNSTREAM OF THE JEFFERSON AVENUE BRIDGE; THENCE 21 FEET TO AND INCLUDING THE TURNING BASIN IN MAIN CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	11,985,048	1976-----	11,861,877
1972-----	13,037,711	1977-----	12,055,827
1973-----	12,738,121	1978-----	11,499,251
1974-----	10,900,719	1979-----	12,492,058
1975-----	10,284,421	1980-----	10,277,336

FREIGHT TRAFFIC, 1980

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
TOTAL-----	543,136	73,861	329,770	124,809	14,696
1001 MANGANESE ORES, CONCENTRATES-----	21,826	21,826			
1499 NONMETALLIC MINERALS, NEC-----	109,108			109,108	
2012 MEAT AND PRODUCTS, NEC-----	1	1			
2014 TALLOW, ANIMAL FATS AND OILS-----	1,395		1,395		
2081 ALCOHOLIC BEVERAGES-----	276	276			
2891 MISCELLANEOUS CHEMICAL PROD-----	190	190			
2913 RESIDUAL FUEL OIL-----	7,397			7,397	
2916 LUBRICATING OILS AND GREASES-----	2,400				2,400
2920 COKE, PETROLIUM COKE-----	12,296				12,296

DETROIT, MICH., DISTRICT

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ROUGE RIVER, MICH. (INCLUDED IN PORT OF DETROIT)--CONTINUED

FREIGHT TRAFFIC, 1988--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
3291 STRUCTURAL CLAY PRODUCTS-----	99	99			
3315 IRON, STEEL SHAPES, EXC SHEET-----	30,929	22,247		8,202	
3316 IRON AND STEEL PLATES, SHEETS-----	1,202	201	979	22	
3317 IRON AND STEEL PIPE AND TUBE-----	19	19			
3318 FERROALLOYS-----	27,633	27,633			
3321 NONFERROUS METALS, NEC-----	1,096	1,096			
3511 MACHINERY, EXCEPT ELECTRICAL-----	57	57			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	41	41			
4011 IRON AND STEEL SCRAP-----	327,396		327,396		
4112 COMMODITIES, NEC-----	15	15			

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		LAKEWISE		LOCAL
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	9,734,200	47,164	10,471	9,141,216	277,932	237,417
1011 IRON ORE AND CONCENTRATES-----	3,048,964			3,048,964		
1121 COAL AND LIGNITE-----	3,407,557			3,407,557		
1411 LIMESTONE-----	2,257,627			2,257,627		
1494 GYPSUM, CRUDE AND PLASTERS-----	242,793			242,793		
1499 NONMETALLIC MINERALS, NEC-----	10,488				10,488	
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	6,253			2,784		3,469
2911 GASOLINE-----	35,147				31,422	3,725
2914 DISTILLATE FUEL OIL-----	45,676			1,448	23,232	20,996
2915 RESIDUAL FUEL OIL-----	402,890		10,471	99,787	33,465	208,227
2916 LUBRICATING OILS AND GREASES-----	47,164	47,164				
2918 ASPHALT, TAR, AND PITCHES-----	216,649			100,256	116,393	
3312 SLAG-----	12,992				12,992	

TONS, ALL TRAFFIC, 10,277,336.

ECORSE, MICH. (INCLUDED IN PORT OF DETROIT)

SECTION INCLUDED: U.S. SHORE OF DETROIT RIVER FROM GREAT LAKES AVE. TO ECORSE RIVER, CONTROLLING DEPTH: 20 FEET, PROJECT DEPTH: NONE.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	822,598	1976-----	635,556
1972-----	737,664	1977-----	902,054
1973-----	711,827	1978-----	726,162
1974-----	647,501	1979-----	316,877
1975-----	715,437	1980-----	369,816

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		OVERSEAS		CANADIAN	LAKEWISE		
		IMPORTS	EXPORTS	IMPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	369,818	33,562	87,665	10,903	77,711	35,193	124,784
2431 VENEER, PLYWOOD, WORKED WOOD-----	35	35					
2631 PAPER AND PAPERBOARD-----	10		10				
2819 BASIC CHEMICALS AND PROD, NEC-----	929		929				
2841 SOAP-----	15		15				
2915 RESIDUAL FUEL OIL-----	223,214				63,237	35,193	124,784
3011 RUBBER AND MISC PLASTIC PROD-----	1		1				
3211 GLASS AND GLASS PRODUCTS-----	889	889					
3311 PIG IRON-----	14,474				14,474		
3314 IRON AND STEEL PRIMARY FORMS-----	10,048	1,120	8,928				
3315 IRON, STEEL SHAPES, EXC SHEET-----	39,895	30,263	9,632				
3316 IRON AND STEEL PLATES, SHEETS-----	7,328		6,057	1,271			
3317 IRON AND STEEL PIPE AND TUBE-----	75	75					
3319 IRON AND STEEL PRODUCTS, NEC-----	22	22					
3411 FABRICATED METAL PRODUCTS-----	4		4				
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,076	1,076					
3611 ELECTRICAL MACH AND EQUIP-----	78	78					
3711 MOTOR VEHICLES, PARTS, EQUIP-----	13	2	13				
3911 MISC MANUFACTURED PRODUCTS-----	2	2					
4011 IRON AND STEEL SCRAP-----	72,071		72,071				
4012 NONFERROUS METAL SCRAP-----	37		37				

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

WYANDOTTE, MICH. (INCLUDED IN PORT OF DETROIT)

SECTION INCLUDED: U.S. SHORE OF DETROIT RIVER FROM ECORSE RIVER TO AND INCLUDING THE PENNSALT CHEMICAL CORP'S PROPERTY, CONTROLLING DEPTH: 27 FEET, PROJECT DEPTH: ROCK AREA 28 FEET, EARTH AREA 27 FEET,

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	1,850,726	-----	1976-----	1,584,311	1,330
1972-----	1,593,597	-----	1977-----	1,442,227	2,346
1973-----	1,865,385	1,278	1978-----	1,298,631	4,390
1974-----	1,632,678	151,210	1979-----	438,882	2,300
1975-----	1,497,875	125,442	1980-----	293,434	-----

FREIGHT TRAFFIC, 1980
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC	
		CANADIAN	LAKEWISE	LOCAL
		IMPORTS	RECEIPTS	
TOTAL-----	293,434	25,330	263,066	5,068
1121 COAL AND LIGNITE-----	247,375	-----	247,375	-----
1411 LIMESTONE-----	15,661	-----	15,661	-----
2914 DISTILLATE FUEL OIL-----	5,068	-----	-----	5,068
3241 BUILDING CEMENT-----	25,330	25,330	-----	-----

TRENTON, MICH. (INCLUDED IN PORT OF DETROIT)

SECTION INCLUDED: U.S. SHORE OF DETROIT RIVER FROM FOOT OF SIBLEY ROAD TO FOOT OF PARKWAY DRIVE, CONTROLLING AND PROJECT DEPTHS: 21 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	3,012,795	1976-----	3,059,758
1972-----	3,060,776	1977-----	3,131,059
1973-----	3,230,249	1978-----	3,704,651
1974-----	3,496,446	1979-----	3,615,949
1975-----	3,120,639	1980-----	2,652,790

FREIGHT TRAFFIC, 1980
DOMESTIC
(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE	LOCAL
		RECEIPTS	
TOTAL-----	2,652,790	2,652,531	259
1011 IRON ORE AND CONCENTRATES-----	1,970,189	1,970,189	-----
1121 COAL AND LIGNITE-----	526,686	526,686	-----
1411 LIMESTONE-----	145,656	145,656	-----
2915 RESIDUAL FUEL OIL-----	259	-----	259
3312 SLAG-----	10,000	10,000	-----

PORT OF DETROIT, MICH.

SECTION INCLUDED: DETROIT HARBOR, ROUGE RIVER, ECORSE, WYANDOTTE, RIVERVIEW AND TRENTON, CONTROLLING AND PROJECT DEPTHS: SEE AFOREMENTIONED PROJECTS.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	30,051,909	172	1976-----	26,407,938	837,725
1972-----	29,913,128	229	1977-----	25,092,847	896,072
1973-----	31,541,566	1,110,670	1978-----	25,881,508	866,866
1974-----	27,941,167	1,141,012	1979-----	24,995,987	831,860
1975-----	26,487,866	968,844	1980-----	19,268,443	484,708

FREIGHT TRAFFIC, 1980
(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC LAKEWISE			LOCAL
		OVERSEAS		CANADIAN		COASTWISE RECEIPTS	RECEIPTS	SHIPMENTS	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS				
TOTAL-----	19,266,443	410,723	534,733	834,640	133,546	47,164	16,756,993	313,125	237,557
0103 CORN-----	1,133		79		1,054				
0104 OATS-----	93				60				

DETROIT, MICH., DISTRICT

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PORT OF DETROIT, MICH.--CONTINUED

FREIGHT TRAFFIC, 1988--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			LOCAL
		OVERSEAS		CANADIAN		COASTWISE	LAKE/INLAND		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	RECEIPTS	SHIPMENTS	
0119 OILSEEDS, NEC-----	22		22						
0121 TOBACCO, LEAF-----	11,981	378		11,593					
0129 FIELD CROPS, NEC-----	27		26	1					
0131 FRESH FRUITS AND TREE NUTS-----	214				214				
0141 FRESH AND FROZEN VEGETABLES-----	49,187		11,088		38,179				
0191 ANIMALS AND PRODUCTS, NEC-----	331		7	61	243				
0191 MISCELLANEOUS FARM PRODUCTS-----	28			28					
0841 CRUDE RUBBER AND ALLIED GUMS-----	35			35					
0841 FOREST PRODUCTS, NEC-----	24			20	4				
0911 FRESH FISH, EXCEPT SHELLFISH-----	3			3					
1011 IRON ORE AND CONCENTRATES-----	7,592,261			348,859		7,243,402			
1091 ALUMINUM ORES, CONCENTRATES-----	11			11					
1061 MANGANESE ORES, CONCENTRATES-----	21,826	21,826							
1091 NONFERROUS ORES, CONCENT, NEC-----	20		20						
1121 COAL AND LIGNITE-----	5,597,066					5,597,066			
1411 LIMESTONE-----	3,004,643		18		7,214	2,997,399			
1442 SAND, GRAVEL, CRUSHED ROCK-----	192		44		148				
1451 CLAY-----	852	7	14	310	521				
1494 GYPSUM, CRUDE AND PLASTERS-----	242,793					242,793			
1499 NONMETALLIC MINERALS, NEC-----	190,828			179,057	1,283			10,488	
1911 ORDNANCE AND ACCESSORIES-----	2			2					
2011 MEAT, FRESH, CHILLED, FROZEN-----	199		20	179					
2012 MEAT AND PRODUCTS, NEC-----	4	1		3					
2014 TALLOW, ANIMAL FATS AND OILS-----	24,519		24,519						
2015 ANIMAL BY-PRODUCTS, NEC-----	5,293		974		4,719				
2021 DAIRY PRODUCTS, NEC-----	10			10					
2022 DRIED MILK AND CREAM-----	15		9		6				
2031 FISH AND SHELLFISH, PREPARED-----	81	1		80					
2034 VEGETABLES AND PREP, NEC-----	332	40		33	259				
2039 PREP FRUIT AND VEG JUICE, NEC-----	2,036	2	136	105	1,793				
2042 PREPARED ANIMAL FEEDS-----	827		193	40	594				
2049 GRAIN MILL PRODUCTS, NEC-----	2,864		1,959	109	796				
2081 ALCOHOLIC BEVERAGES-----	9,930	6,432		3,471	27				
2091 VEGETABLE OILS, MARG, SHORT-----	10		3	7					
2099 MISCELLANEOUS FOOD PRODUCTS-----	318	15	40	247	16				
2111 TOBACCO MANUFACTURES-----	18				18				
2211 BASIC TEXTILE PRODUCTS-----	689	233		361	91				
2212 TEXTILE FIBERS, NEC-----	547	55		492					
2311 APPAREL-----	597		222	34	341				
2413 FUEL WOOD, CHARCOAL, WASTES-----	69	69							
2416 WOOD CHIPS, STAVES, HOLDINGS-----	1			1					
2421 LUMBER-----	327				326				
2431 VENEER, PLYWOOD, WORKED WOOD-----	110	35		25	50				
2491 WOOD MANUFACTURES, NEC-----	195	4	25	29	137				
2511 FURNITURE AND FIXTURES-----	1,417	203	97	435	722				
2631 PAPER AND PAPERBOARD-----	1,859	682	251	662	324				
2691 PULP AND PAPER PRODUCTS, NEC-----	668		69	38	561				
2711 PRINTED MATTER-----	866	43	13	245	567				
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	6,377	18		106			2,784		3,469
2812 DYES, PIGMENT, TANNING MATS-----	5								
2819 BASIC CHEMICALS AND PROD, NEC-----	13,994	230	2,319	4,252	7,193				
2821 PLASTIC MATERIALS-----	3,591	26	207	469	2,869				
2822 SYNTHETIC RUBBER-----	1								
2831 DRUGS-----	445	6	133	42	264				
2841 SOAP-----	11,873	1	380	114	11,378				
2891 PAINTS-----	5,171	325	30	4,760	56				
2873 PHOSPHATIC CHEM FERTILIZERS-----	1			1					
2876 INSECTICIDES, DISINFECTANTS-----	407		11	41	355				
2879 FERTILIZER AND MATERIALS, NEC-----	122			122					
2891 MISCELLANEOUS CHEMICAL PROD-----	5,185	457	193	2,315	2,220				
2911 GASOLINE-----	35,154				7			31,422	3,725
2913 KEROSENE-----	34		34						
2914 DISTILLATE FUEL OIL-----	45,676					1,448	23,232	20,996	
2915 RESIDUAL FUEL OIL-----	637,474			144,118		165,391	118,598	209,367	
2916 LUBRICATING OILS AND GREASES-----	50,567		37	29	3,337	47,164			
2918 ASPHALT, TAR, AND PITCHES-----	221,212				4,563		100,256	116,393	
2920 COKE, PETROLEUM COKE-----	12,296				12,296				
2991 ASPHALT BUILDING MATERIALS-----	9				9				
3011 RUBBER AND MISC PLASTIC PROD-----	2,439	63	120	444	1,792				
3111 LEATHER AND LEATHER PRODUCTS-----	726	31		631	64				
3211 GLASS AND GLASS PRODUCTS-----	4,812	973	192	725	2,962				
3241 BUILDING CEMENT-----	406,420			25,330		381,090			
3251 STRUCTURAL CLAY PRODUCTS-----	2,061	694		1,275	92				
3281 CUT STONE AND STONE PRODUCTS-----	1,482	688		744					
3291 MISC NONMETALLIC MINERAL PROD-----	732	70	1	569	62				
3311 PIG IRON-----	14,474						14,474		
3312 SLAG-----	22,992						10,000	12,992	
3314 IRON AND STEEL PRIMARY FORMS-----	18,845	5,699	8,928	2,924	494				
3315 IRON, STEEL SHAPES, ETC SHEET-----	344,057	319,899	32	23,081	285				
3316 IRON AND STEEL PLATES, SHEETS-----	22,943	2,211	10,932	1,512	288				
3317 IRON AND STEEL PIPE AND TUBE-----	5,099	1,812	75	1,141	1,221		850		
3318 FERRCALLOYS-----	29,487	27,833		1,654					
3319 IRON AND STEEL PRODUCTS, NEC-----	7,772	684	5	7,016	67				
3321 NONFERROUS METALS, NEC-----	2,034	1,230	23	512	269				
3322 COPPER ALLOYS, UNWORKED-----	992			955					
3323 LEAD AND ZINC, UNWORKED-----	1,283	50	580	600	73				
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,346	296	1	770	279				
3411 FABRICATED METAL PRODUCTS-----	9,343	2,499	421	2,963	3,460				
3511 MACHINERY, EXCEPT ELECTRICAL-----	32,671	5,665	1,180	22,726	3,180				
3611 ELECTRICAL MACH AND EQUIP-----	8,117	448	1,097	3,747	2,825				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	27,779	2,624	1,447	19,230	4,476				
3721 AIRCRAFT AND PARTS-----	4		4						
3731 SHIPS AND BOATS-----	49			38	11				
3791 MISC TRANSPORTATION EQUIPMENT-----	68			61	7				

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PORT OF DETROIT, MICH.--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC				LOCAL
		OVERSEAS		CANADIAN		COASTWISE	LAKEWISE			
		IMPORTS	EXPORTS	IMPORTS	EXPORTS		RECEIPTS	SHIPMENTS		
3811 INSTR, TIME, PHOTO, OPT GOODS--	1,187	39	143	833	92	-----	-----	-----	-----	
3911 MISC MANUFACTURED PRODUCTS----	1,238	70	99	512	557	-----	-----	-----	-----	
4011 IRON AND STEEL SCRAP-----	473,622	5,898	497,864	7,936	1,924	-----	-----	-----	-----	
4012 NONFERROUS METAL SCRAP-----	5,477	24	999	319	4,175	-----	-----	-----	-----	
4022 TEXTILE WASTE, SCRAP, SWEEP----	6	-----	-----	-----	6	-----	-----	-----	-----	
4024 PAPER WASTE AND SCRAP-----	37	-----	37	-----	-----	-----	-----	-----	-----	
4112 COMMODITIES, NEC-----	2,844	141	27	2,570	106	-----	-----	-----	-----	
9999 DEPARTMENT OF DEFENSE AND SCI--	33	-----	-----	-----	33	-----	-----	-----	-----	

MONROE HARBOR, MICH.

SECTION INCLUDED: CHANNEL IN LAKE ERIE AND 9500 FEET ABOVE RAISIN RIVER. CONTROLLING DEPTH: 20 FEET TO TURNING BASIN OVER A CENTER WIDTH OF 150 FEET; 12 FEET IN TURNING BASIN EXCEPT NEAR THE SHORE; 9.5 FEET IN 9 FOOT CHANNEL. PROJECT DEPTH: 21 FEET TO THE TURNING BASIN; 10 FEET IN THE TURNING BASIN; 9 FEET TO LOWER DOCKS AT MONROE. NAVIGATION SEASON: 20 APRIL TO 14 DECEMBER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	31,086	-----	1976-----	972,893	-----
1972-----	30,216	-----	1977-----	1,321,348	-----
1973-----	37,400	2980	1978-----	2,374,166	-----
1974-----	215,623	-----	1979-----	2,662,768	-----
1975-----	1,184,689	-----	1980-----	2,768,541	-----

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	LAKEWISE
TOTAL-----	RECEIPTS
1121 COAL AND LIGNITE-----	2,768,541
2920 COKE, PETROLEUM COKE-----	2,759,387
	9,154

DETROIT, MICH., DISTRICT

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OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	PASSENGERS
PROJECT			
ALBONAC, MICH. (INCLUDED IN ST. CLAIR RIVER)-----			82,818
AU SABLE HARBOR AND RIVER (OSCODA), MICH.-----	NO COMMERCE REPORTED		
BIG BAY HARBOR, MICH.-----	NO COMMERCE REPORTED		
BLACK RIVER HARBOR, MICH.-----	NO COMMERCE REPORTED		
CASEVILLE, MICH.-----	NO COMMERCE REPORTED		
CEDAR RIVER HARBOR, MICH.-----	NO COMMERCE REPORTED		
CHARLEVOIX HARBOR, MICH.-----	1121 COAL AND LIGNITE-----	132,429	
	1411 LIMESTONE-----	8,787	
	2911 GASOLINE-----	442	
	2914 DISTILLATE FUEL OIL-----	354	
	4112 COMMODITIES, NEC-----	7,461	
	TOTAL-----	144,473	18,213
CHEBOYGAN HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	4	
	2911 GASOLINE-----	75,920	
	2914 DISTILLATE FUEL OIL-----	34,617	
	TOTAL-----	110,541	18,003
DETOUR, MICH., AND VICINITY (INCLUDED IN ST. MARYS RIVER)-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	85	218,026
EAGLE HARBOR, MICH.-----	NO COMMERCE REPORTED		
GLADSTONE HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	144	
	1411 LIMESTONE-----	11,423	
	2911 GASOLINE-----	98,654	
	2914 DISTILLATE FUEL OIL-----	34,201	
	TOTAL-----	144,422	
GRAND MARAIS HARBOR (HARBOR OF REFUGE), MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	45	
GRAND TRAVERSE BAY HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	16	
HARBOR BEACH, MICH., HARBOR OF REFUGE, LAKE HURON-----	1121 COAL AND LIGNITE-----	180,647	
HARRISVILLE HARBOR, MICH., HARBOR OF REFUGE; LAKE HURON-----	2912 JET FUEL-----	43,516	
KENEENAW WATERWAY, MICH.-----	0102 BARLEY AND RYE-----	6,482	
	0104 OATS-----	3,004	
	0107 WHEAT-----	69,192	
	0911 FRESH FISH, EXCEPT SHELLFISH-----	194	
	1121 COAL AND LIGNITE-----	76,675	
	1442 SAND, GRAVEL, CRUSHED ROCK-----	400	
	2094 GROCERIES-----	34	
	2099 MISCELLANEOUS FOOD PRODUCTS-----	106	
	2911 GASOLINE-----	17,395	
	2912 JET FUEL-----	2	
	2914 DISTILLATE FUEL OIL-----	12,021	
	3291 MISC NONMETALLIC MINERAL PROD-----	100	
	3411 FABRICATED METAL PRODUCTS-----	45	
	3511 MACHINERY, EXCEPT ELECTRICAL-----	13	
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	21	
	3731 SHIPS AND BOATS-----	180	
	3911 MISC MANUFACTURED PRODUCTS-----	81	
	4012 NONFERROUS METAL SCRAP-----	50	
	4112 COMMODITIES, NEC-----	686	
	TOTAL-----	186,681	11,686
LAC LA BELLE HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	13	
LELAND HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	41	
	2911 GASOLINE-----	11	
	2914 DISTILLATE FUEL OIL-----	9	
	2921 LIQUEFIED GASES-----	10	
	4112 COMMODITIES, NEC-----	430	
	TOTAL-----	501	30,400
LINE ISLAND, MICH. (INCLUDED IN ST. MARYS RIVER)-----	1121 COAL AND LIGNITE-----	9,072	
	2915 RESIDUAL FUEL OIL-----	7,448	
	TOTAL-----	16,520	
MACKINAC HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	70	
	1411 LIMESTONE-----	8,514	
	4112 COMMODITIES, NEC-----	7,813	
	TOTAL-----	16,397	678,394
MACKINAW CITY HARBOR, MICH.-----	2911 GASOLINE-----	69,887	
	2914 DISTILLATE FUEL OIL-----	7,359	
	4112 COMMODITIES, NEC-----	1,696	
	TOTAL-----	74,942	361,268
MANISTEE HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	12	
	1121 COAL AND LIGNITE-----	116,997	
	1499 NONMETALLIC MINERALS, NEC-----	51,224	
	2873 PHOSPHATIC CHEM FERTILIZERS-----	17,908	
	TOTAL-----	185,741	

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	PASSENGERS
PROJECT--CONTINUED			
MANISTIQUE HARBOR, MICH.	0011 FRESH FISH, EXCEPT SHELLFISH	31	
MARQUETTE HARBOR, MICH.	0011 FRESH FISH, EXCEPT SHELLFISH	111	
	1121 COAL AND LIGNITE	74,565	
	2819 BASIC CHEMICALS AND PROD, NEC	2,624	
	TOTAL	77,300	
NEW BUFFALO HARBOR MICHIGAN	NO COMMERCE REPORTED		
ONTONAGON HARBOR, MICH.	0011 FRESH FISH, EXCEPT SHELLFISH	4	
PENTWATER HARBOR, MICH.	NO COMMERCE REPORTED		
PORT SANILAC HARBOR, MICH.	NO COMMERCE REPORTED		
PUT-IN-BAY HARBOR, OHIO	2011 GASOLINE	40	
	2014 DISTILLATE FUEL OIL	266	
	3911 MACHINERY, EXCEPT ELECTRICAL	150	
	4112 COMMODITIES, NEC	6,233	
	TOTAL	6,689	371,061
ROGERS CITY, MICH.	0011 FRESH FISH, EXCEPT SHELLFISH	63	
SAUGATUCK HARBOR AND KALAMAZOO RIVER, MICH.	NO COMMERCE REPORTED		
SAULT STE MARIE, MICH. (INCLUDED IN ST. MARYS RIVER)	2081 ALCOHOLIC BEVERAGES	233	
	2011 GASOLINE	26,822	
	2014 DISTILLATE FUEL OIL	25,053	
	2019 RESIDUAL FUEL OIL	50	
	3281 CUT STONE AND STONE PRODUCTS	74	
	TOTAL	52,232	388,196
SEBEMAWING, MICH.	0011 FRESH FISH, EXCEPT SHELLFISH	53	
SOUTH HAVEN HARBOR, MICH.	NO COMMERCE REPORTED		
ST. JAMES (BEAVER ISLAND), MICH.	0011 FRESH FISH, EXCEPT SHELLFISH	51	
	2011 GASOLINE	442	
	2014 DISTILLATE FUEL OIL	354	
	4112 COMMODITIES, NEC	2,461	
	TOTAL	3,308	18,215
WHITE LAKE HARBOR, MICH.	NO COMMERCE REPORTED		
WHITEFISH POINT HARBOR, MICH.	NO COMMERCE REPORTED		
NONPROJECT			
ALABASTER, MICH.	1494 GYPSUM, CRUDE AND PLASTERS	389,864	
CALCITE, MICH.	1411 LIMESTONE	7,427,977	
	2873 PHOSPHATIC CHEM FERTILIZERS	24,179	
	TOTAL	7,452,156	
ESCANABA, MICH.	0011 FRESH FISH, EXCEPT SHELLFISH	48	
	1011 IRON ORE AND CONCENTRATES	13,861,802	
	1121 COAL AND LIGNITE	235,883	
	2410 WOOD CHIPS, STAVES, HOLDINGS	1,660	
	2011 GASOLINE	68,098	
	2014 DISTILLATE FUEL OIL	73,127	
	TOTAL	11,240,610	
HARBLEHEAD, OHIO	1411 LIMESTONE	1,030,290	153,402
PETOSKEY PENN DIXIE HARBOR, MICH.	1121 COAL AND LIGNITE	195,883	
	3241 BUILDING CEMENT	175,998	
	TOTAL	371,881	
PORT DOLOMITE, MICH.	1411 LIMESTONE	2,978,917	
PORT GYPSUM, MICH.	1494 GYPSUM, CRUDE AND PLASTERS	335,907	
PORT INLAND, MICH.	1411 LIMESTONE	3,005,691	
STONEPORT, MICH.	1411 LIMESTONE	7,341,278	
	1499 NONMETALLIC MINERALS, NEC	13,024	
	3411 FABRICATED METAL PRODUCTS	8	
	TOTAL	7,354,310	

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SECTION INCLUDED: CHANNEL IN LAKE ERIE AND 7 MILES IN LOWER MAUMEE RIVER, CONTROLLING DEPTHS: 20 FEET IN THE BAY CHANNEL, 27 FEET IN THE RIVER CHANNEL OVER 300 FOOT WIDTH FOR 3 MILES UPSTREAM FROM THE MOUTH THEN REDUCING TO A CENTER WIDTH OF 200 FEET AT 27 FEET, AND 25 FEET OVER REMAINING 400 FOOT CHANNEL UPSTREAM TO THE MID-STATES TERMINALS, INC. DOCK; THENCE 17 FEET TO THE TURNING BASIN AT THE UPPER PROJECT LIMITS WITH 13 FEET IN THE TURNING BASIN; 20 FEET IN THE TURNING BASIN AT MILE 3 AND 27 FEET IN THE TURNING BASIN AT MILE 6.5, PROJECT DEPTHS: 25 FEET IN BAY AND 27 FEET IN THE RIVER CHANNEL TO THE TURNING BASIN OPPOSITE THE MID-STATES TERMINALS, INC. DOCK; THENCE 25 FEET TO THE TURNING BASIN AT UPSTREAM LIMITS OF THE PROJECT WITH 18 FEET IN THE TURNING BASIN; 20 FEET IN THE TURNING BASIN AT MILE 3 AND 27 FEET IN THE TURNING BASIN AT MILE 6.5. NAVIGATION SEASON: MARCH 1 TO DECEMBER 31.

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	27,310,667	16,074	1976	25,801,674	24,192
1972	25,240,950	11,180	1977	23,275,707	-
1973	24,921,753	22,904	1978	27,971,410	10,820
1974	21,556,519	15,699	1979	26,256,355	10,920
1975	23,620,027	16,036	1980	22,263,285	22,800

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC				LOCAL
		OVERSEAS		CANADIAN		COASTWISE	LAKEWISE			
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	SHIPMENTS	RECEIPTS	SHIPMENTS		
TOTAL-----	22,263,285	292,525	1,160,179	369,291	7,137,599	12,491	3,169,549	9,986,148	255,943	
0103 CORN-----	2,948,016		496,176		2,451,842					
0107 WHEAT-----	376,087		35,334		312,836			27,917		
0111 SOYBEANS-----	1,453,765		479,181		974,584					
0121 TOBACCO, LEAF-----	161			161						
0911 FRESH FISH, EXCEPT SHELLFISH-----	968								568	
1011 IRON ORE AND CONCENTRATES-----	2,763,354			65,001			2,698,353			
1121 COAL AND LIGNITE-----	12,750,608				3,292,395		20,000	9,438,213		
1411 LIMESTONE-----	54,256						54,256			
1442 SAND, GRAVEL, CRUSHED ROCK-----	245,534			4,313					241,221	
1499 NONMETALLIC MINERALS, NEC-----	141,923						141,923			
2034 VEGETABLES AND PREP, NEC-----	4		4							
2042 PREPARED ANIMAL FEEDS-----	16,703		16,703							
2061 SUGAR-----	55,117	55,117								
2081 ALCOHOLIC BEVERAGES-----	327	327								
2211 BASIC TEXTILE PRODUCTS-----	701	701								
2411 LOGS-----	14,765		14,765							
2421 LUMBER-----	197		197							
2631 PAPER AND PAPERBOARD-----	38,453			38,453						
2691 PULP AND PAPER PRODUCTS, NEC-----	1	1								
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	3,330						546	2,784		
2817 BENZENE AND TOLUENE-----	20,449						1,339	19,110		
2819 BASIC CHEMICALS AND PROD, NEC-----	5	5								
2891 PAINTS-----	14	14								
2911 NITROGENOUS CHEM FERTILIZERS-----	114,600	114,600								
2973 PHOSPHATIC CHEM FERTILIZERS-----	167,385			167,385						
2891 MISCELLANEOUS CHEMICAL PROD-----	59	59								
2911 GASOLINE-----	32,619						8,772	23,847		
2914 DISTILLATE FUEL OIL-----	23,094							23,094		
2915 RESIDUAL FUEL OIL AND GREASES-----	455,873					12,491	2,694	426,936	13,752	
2916 LUBRICATING OILS AND GREASES-----	38,052				38,052					
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1,495						1,495			
2918 ASPHALT, TAR, AND PITCHES-----	24,247							24,247		
2920 COKE, PETROLEUM COKE-----	156,601		20,364		66,771		61,466			
3111 LEATHER AND LEATHER PRODUCTS-----	1	1								
3211 GLASS AND GLASS PRODUCTS-----	27	27								
3241 BUILDING CEMENT-----	118,705						118,705			
3291 STRUCTURAL CLAY PRODUCTS-----	20	20								
3281 CUT STONE AND STONE PRODUCTS-----	62	62								
3291 MISC NONMETALLIC MINERAL PROD-----	11	11								
3314 IRON AND STEEL PRIMARY FORMS-----	55,443	504	54,939							
3315 IRON, STEEL SHAPES, EXC SHEET-----	81,393	74,738	6,655							
3316 IRON AND STEEL PLATES, SHEETS-----	749	749								
3317 IRON AND STEEL PIPE AND TUBE-----	758	758								
3318 FERROALLOYS-----	34,541	20,603		13,938						
3319 IRON AND STEEL PRODUCTS, NEC-----	113	113								
3321 NONFERROUS METALS, NEC-----	1,081	1,081								
3322 COPPER ALLOYS, UNWORKED-----	45	45								
3324 LEAD AND ZINC UNWORKED-----	20,576	20,576								
3324 ALUMINUM AND ALLOYS, UNWORKED-----	17	17								
3411 FABRICATED METAL PRODUCTS-----	112	67	45							
3511 MACHINERY, EXCEPT ELECTRICAL-----	3,268	588	1,561	1,119						
3611 ELECTRICAL MATH AND EQUIP-----	1,398	1,139	259							
3711 MOTOR VEHICLES, PARTS, EQUIP-----	186	161	25							
3731 SHIPS AND BOATS-----	5		5							
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1	1								
3911 MISC MANUFACTURED PRODUCTS-----	1	1								
4011 IRON AND STEEL SCRAP-----	25,926		25,926							
4012 NONFERROUS METAL SCRAP-----	40		40							
4112 COMMODITIES, NEC-----	459	459								

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

SANDUSKY HARBOR, OHIO

SECTION INCLUDED: SOUTHEASTERLY PORTION OF SANDUSKY BAY TO AND INCLUDING PASSENGER DOCKS ON CEDAR POINT. CONTROLLING DEPTH: MOSELY CHANNEL, 26 FEET; BAY CHANNEL AND STRAIGHT CHANNEL FROM MOSELY CHANNEL TO JUNCTION WITH BAY CHANNEL, 25 FEET; TURNING BASIN, 24 FEET; DOCK CHANNEL, 22 FEET; STRAIGHT CHANNEL FROM DOCK CHANNEL TO JUNCTION WITH BAY CHANNEL, 21 FEET. PROJECT DEPTHS: MOSELY CHANNEL, 26 FEET; BAY CHANNEL AND STRAIGHT CHANNEL FROM MOSELY CHANNEL TO JUNCTION WITH BAY CHANNEL, 25 FEET; TURNING BASIN, 24 FEET; DOCK CHANNEL, 22 FEET; AND STRAIGHT CHANNEL FROM DOCK CHANNEL TO JUNCTION WITH BAY CHANNEL, 21 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	4,883,103	215,539	1976-----	5,378,083	378,498
1972-----	5,612,730	237,417	1977-----	4,314,377	186,301
1973-----	4,913,719	208,297	1978-----	3,859,748	178,992
1974-----	4,220,604	214,839	1979-----	5,972,652	173,153
1975-----	4,932,900	187,197	1980-----	6,412,386	169,541

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		CANADIAN		LAKEWISE		
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	6,412,386	42,460	3,536,908	105,152	2,686,929	41,337
0131 FRESH FRUITS AND TREE NUTS-----	763			763		
0911 FRESH FISH, EXCEPT SHELLFISH-----	2,151					2,151
1121 COAL AND LIGNITE-----	6,204,057		3,520,853		2,683,204	
1411 LIMESTONE-----	16,055		16,055			
1442 SAND, GRAVEL, CRUSHED ROCK-----	46,499	7,125			188	39,186
1494 GYPSUM, CRUDE AND PLASTERS-----	75,447			75,447		
1499 NONMETALLIC MINERALS, NEC-----	28,711			28,711		
2094 GROCERIES-----	240				240	
2095 ICE-----	58				58	
2099 MISCELLANEOUS FOOD PRODUCTS-----	298				298	
2511 FURNITURE AND FIXTURES-----	74			3	71	
2691 PULP AND PAPER PRODUCTS, NEC-----	21				21	
2873 PHOSPHATIC CHEM FERTILIZERS-----	35,324	35,324				
2879 FERTILIZER AND MATERIALS, NEC-----	40				40	
2911 GASOLINE-----	611				611	
2914 DISTILLATE FUEL OIL-----	590				590	
2918 ASPHALT, TAR, AND PITCHES-----	185				185	
2921 LIQUEFIED GASES-----	76				76	
3411 FABRICATED METAL PRODUCTS-----	44				44	
3511 MACHINERY, EXCEPT ELECTRICAL-----	421	10		150	261	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	50			50		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1	1				
4112 COMMODITIES, NEC-----	710			28	682	

HURON HARBOR, OHIO

SECTION INCLUDED: LAKE APPROACH CHANNEL FROM DEEP WATER TO A POINT OPPOSITE THE OUTER END OF EAST BREAKWATER; ENTRANCE CHANNEL FROM ITS JUNCTION WITH THE APPROACH CHANNEL TO ITS JUNCTION WITH THE RIVER CHANNEL; RIVER CHANNEL AND TURNING BASIN TO WITHIN 1,500 FEET OF THE PENN CENTRAL RAILROAD BRIDGE. CONTROLLING DEPTH: LAKE APPROACH, ENTRANCE AND RIVER CHANNELS, 25 FEET; TURNING BASIN, 19 FEET. PROJECT DEPTHS: LAKE APPROACH AND ENTRANCE CHANNELS, 29 FEET; RIVER CHANNEL, 28 FEET; TURNING BASIN, 22 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	3,332,827	1976-----	2,855,701
1972-----	3,380,742	1977-----	1,933,192
1973-----	3,655,463	1978-----	2,429,342
1974-----	3,325,132	1979-----	3,457,764
1975-----	2,115,680	1980-----	2,129,061

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			
		OVERSEAS	CANADIAN	LAKEWISE		LOCAL	
		EXPORTS	IMPORTS	EXPORTS	RECEIPTS		SHIPMENTS
TOTAL-----	2,129,061	87,265	28 '96	342,636	1,653,931	16,261	172
0103 CORN-----	293,881	68,725	-----	225,156	-----	-----	-----
0107 WHEAT-----	34,990	-----	-----	18,329	-----	16,261	-----
0111 SOYBEANS-----	117,691	18,540	-----	99,151	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	172	-----	-----	-----	-----	-----	172
1011 IRON ORE AND CONCENTRATES-----	1,237,493	-----	28,796	-----	1,208,657	-----	-----
1411 LIMESTONE-----	445,274	-----	-----	-----	445,274	-----	-----

LORAIN HARBOR, OHIO

SECTION INCLUDED: OUTER HARBOR AND BLACK RIVER FROM MOUTH TO AND INCLUDING UNITED STATES STEEL CORP.; NATIONAL TUBE DIVISION DOCK, 3 MILES. CONTROLLING DEPTHS: LAKE APPROACH CHANNEL, 29 FEET; A CHANNEL 800 FEET WIDE THROUGH THE OUTER HARBOR, 28 FEET; REMAINDER OF OUTER HARBOR, 24 FEET; LOWER 2,200 FEET OF RIVER CHANNEL, 28 FEET; REMAINDER OF RIVER CHANNEL 27 FEET EXCEPT TURNING BASIN JUST DOWNSTREAM OF THE 21ST STREET BRIDGE WHICH IS 20 FEET AND THE TURNING BASIN OPPOSITE THE U. S. STEEL CORP.; NATIONAL TUBE DIVISION WHICH IS 21 FEET. PROJECT DEPTHS: LAKE APPROACH CHANNEL, 29 FEET; A CHANNEL 800 FEET WIDE THROUGH THE OUTER HARBOR, 28 FEET; REMAINDER OF OUTER HARBOR, 25 FEET; LOWER 2,200 FEET OF RIVER CHANNEL, 28 FEET; REMAINDER OF RIVER CHANNEL, 27 FEET; EXCEPT TURNING BASIN DOWNSTREAM OF 21ST STREET BRIDGE, 20 FEET AND TURNING BASIN OPPOSITE U. S. STEEL CORP., NATIONAL TUBE DIVISION DOCK, 21 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971	7,483,789	1976	7,439,113
1972	10,173,023	1977	6,286,913
1973	11,584,368	1978	6,236,264
1974	9,076,890	1979	6,633,811
1975	7,690,341	1980	6,191,368

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN			DOMESTIC		LOCAL
		OVERSEAS	CANADIAN		LAKEWIDE		
			EXPORTS	IMPORTS	EXPORTS	RECEIPTS	
TOTAL-----	8,191,368	114	56,089	72,923	7,541,002	314,380	166,060
0911 FRESH FISH, EXCEPT SHELLFISH-----	167						167
1011 IRON ORE AND CONCENTRATES-----	6,623,026				6,318,646	304,380	
1411 LIMESTONE-----	1,034,049				1,034,049		
1442 SAND, GRAVEL, CRUSHED ROCK-----	221,956		56,083				165,873
1494 GYPSUM, CRUDE AND PLASTERS-----	146,010				146,010		
2011 GASOLINE-----	4,825				4,825		
2014 DISTILLATE FUEL OIL-----	37,700				37,700		
2920 COKE, PETROLEUM COKE-----	82,923			72,923		10,000	
3201 CUT STONE AND STONE PRODUCTS-----	26		26				
3411 FABRICATED METAL PRODUCTS-----	572				572		
3511 MACHINERY, EXCEPT ELECTRICAL-----	114	114					

CLEVELAND HARBOR, OHIO

SECTION INCLUDED: OUTER HARBOR, OLD RIVER AND CUYAHOGA RIVER FROM MOUTH TO AND INCLUDING UPPER REPUBLIC STEEL CORP. DOCK, IMMEDIATELY DOWNSTREAM FROM NORFOLK & WESTERN RAILWAY BRIDGE, 5.8 MILES. CONTROLLING DEPTHS: LAKE APPROACH CHANNEL, 29 FEET; ENTRANCE CHANNEL, WEST BASIN AND WESTERLY 800 FEET OF EAST BASIN, 28 FEET; EASTERLY 3800-FOOT LENGTH OF EAST BASIN, 27 FEET; 500-FOOT CHANNEL THROUGH EAST OUTER HARBOR, 25 FEET; CHANNEL BETWEEN PIERS TO CONRAIL RAILROAD BRIDGE, 27 FEET; CHANNEL IN CUYAHOGA RIVER FROM PENN CENTRAL RAILROAD TO UPPER PROJECT LIMIT, 23 FEET; TURNING BASIN UPSTREAM FROM E. I. DUPONT DE NEMOURS AND COMPANY, INC. GRASSLETT CHEMICAL DIVISION DOCK, 18 FEET; OLD RIVER TO SAND PRODUCTS CORPORATION DOCK, 19 FEET; REMAINDER OF OLD RIVER TO UPPER PROJECT LIMIT, 14 FEET. PROJECT DEPTHS: LAKE APPROACH CHANNEL, 29 FEET; WEST BASIN, ENTRANCE CHANNEL AND WEST END OF EAST BASIN, 28 FEET; REMAINDER 3800-FOOT LENGTH OF EAST BASIN, 27 FEET; 500-FOOT CHANNEL THROUGH EAST OUTER HARBOR, 25 FEET; LOWER CUYAHOGA RIVER FROM LAKEWARD END OF THE PIERS TO IMMEDIATELY ABOVE JUNCTION WITH OLD RIVER, 27 FEET; OLD RIVER TO UPPER PROJECT LIMIT, 27 FEET; REMAINDER OF CUYAHOGA RIVER, 25 FEET; TURNING BASIN UPSTREAM FROM E. I. DUPONT DE NEMOURS & CO., GRASSLETT CHEMICAL DIVISION DOCK, 18 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	20,551,928	103,278	1976	18,167,579	112,874
1972	23,865,650	67,771	1977	16,103,781	78,721
1973	24,828,323	145,157	1978	19,698,862	127,820
1974	21,933,874	211,102	1979	19,478,349	120,400
1975	18,145,180	140,231	1980	14,845,151	

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			LOCAL
		OVERSEAS		CANADIAN		COASTWISE	LAKEWISE		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS		SHIPMENTS	RECEIPTS	
TOTAL	14,045,151	260,273	16,371	2,815,518	306,533	14,050	10,268,367	269,925	98,114
0102 BARLEY AND RYE	2,280						2,280		
0104 OATS	4		4						
0107 WHEAT	85,384						85,384		
0121 TOBACCO, LEAF	7,392	960		6,432					
0141 FRESH AND FROZEN VEGETABLES	7		7						
0101 ANIMALS AND PRODUCTS, NEC.	8	8							
0841 CRUDE RUBBER AND ALLIED GUMS	1		1						
0911 FRESH FISH, EXCEPT SHELLFISH	129								129
1011 IRON ORE AND CONCENTRATES	10,040,415			1,840,854	44		8,199,561		
1091 ALUMINUM ORES, CONCENTRATES	44								
1411 LIMESTONE	1,436,079		3		10,304		1,425,772		
1442 SAND, GRAVEL, CRUSHED ROCK	1,022,528		16	822,536			149,986		94,880
1491 CLAY	239	20	219						
1499 NONMETALLIC MINERALS, NEC.	507,968	18,072			248,044			241,892	
2012 MEAT AND PRODUCTS, NEC.	2		1		1				
2014 TALLOW, ANIMAL FATS AND OILS	290		290						
2034 VEGETABLES AND PREP, NEC.	49	28			21				
2039 PREP FRUIT AND VEG JUICE, NEC.	302		282		20				
2049 GRAIN MILL PRODUCTS, NEC.	97	63		34					
2081 ALCOHOLIC BEVERAGES	714	659	34	21					

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

CLEVELAND HARBOR, OHIO--CONTINUED

FREIGHT TRAFFIC, 1980--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				COASTWISE SHIPMENTS	DOMESTIC LAKEWISSE		LOCAL
		OVERSEAS		CANADIAN			RECEIPTS	SHIPMENTS	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS				
2111 TOBACCO MANUFACTURES-----	18		18						
2211 BASIC TEXTILE PRODUCTS-----	15		15						
2311 APPAREL-----	3		3						
2411 LUMBER-----	41		41						
2421 LUMBER-----	406		388		18				
2491 WOOD MANUFACTURES, NEC-----	600		582	1	97				
2511 FURNITURE AND FIXTURES-----	116	16	91		9				
2631 PAPER AND PAPERBOARD-----	27	8	19						
2691 PULP AND PAPER PRODUCTS, NEC-----	19		15	4					
2711 PRINTED MATTER-----	28	1	26						
2819 BASIC CHEMICALS AND PROD, NEC-----	13,168	152	26	12,865	125				
2821 PLASTIC MATERIALS-----	532	25	424		83				
2822 SYNTHETIC RUBBER-----	421		421						
2831 DRUGS-----	3		3						
2841 SOAP-----	60		40		20				
2891 PAINTS-----	420	100	258	62					
2871 NITROGENOUS CHEM FERTILIZERS-----	20	20							
2873 PHOSPHATIC CHEM FERTILIZERS-----	40,179			40,179					
2891 MISCELLANEOUS CHEMICAL PROD-----	578	48	527		3				
2914 DISTILLATE FUEL OIL-----	5,589					3,941	1,448		
2915 RESIDUAL FUEL OIL-----	228,937					14,050	149,607	21,775	43,105
2916 LUBRICATING OILS AND GREASES-----	35		35						
2918 ASPHALT, TAR, AND PITCHES-----	29,463		8			29,455			
2920 COKE, PETROLEUM COKE-----	45,980				45,980				
2991 PETROLEUM AND COAL PROD, NEC-----	1		1						
3011 RUBBER AND MISC PLASTIC PROD-----	777	102	485	44	146				
3211 GLASS AND GLASS PRODUCTS-----	283	67	161	19	16				
3241 BUILDING CEMENT-----	268,999		20	39,708		227,271			
3291 STRUCTURAL CLAY PRODUCTS-----	295	67	218		10				
3281 CUT STONE AND STONE PRODUCTS-----	61		61						
3291 MISC NONMETALLIC MINERAL PROD-----	420	12	386	37	5				
3314 IRON AND STEEL PRIMARY FORMS-----	3,612	2,560	384	533	125				
3315 IRON, STEEL SHAPES, EXC SHEET-----	222,844	222,570	197		77				
3316 IRON AND STEEL PLATES, SHEETS-----	880	526	336		16				
3317 IRON AND STEEL PIPE AND TUBE-----	2,818	423	1,069	267	209			898	
3318 FERROALLOYS-----	20,821			20,000					
3319 IRON AND STEEL PRODUCTS, NEC-----	1,181	480	517		184				
3321 NONFERROUS METALS, NEC-----	241	25	3	213					
3322 COPPER ALLOYS, UNWORKED-----	14		12		2				
3323 LEAD AND ZINC, UNWORKED-----	5,905	5,887	18						
3324 ALUMINUM AND ALLOYS, UNWORKED-----	879		832		47				
3411 FABRICATED METAL PRODUCTS-----	2,229	350	942	732	205				
3511 MACHINERY, EXCEPT ELECTRICAL-----	8,411	3,737	2,853	1,375	446				
3611 ELECTRICAL MACH AND EQUIP-----	1,479	278	1,026	1	174				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	4,147	596	3,086	369	76				
3731 SHIPS AND BOATS-----	4		4						
3791 MISC TRANSPORTATION EQUIPMENT-----	7		7						
3811 INSTR, TIME, PHOTO, OPT GOODS-----	32	12	17	2	1				
3911 MISC MANUFACTURED PRODUCTS-----	57	5	29		19				
4011 IRON AND STEEL SCRAP-----	29,157	44		29,113					
4012 NONFERROUS METAL SCRAP-----	29		26		3				
4112 COMMODITIES, NEC-----	2,378	2,331	15	32					

FAIRPORT HARBOR, OHIO

SECTION INCLUDED: OUTER HARBOR AND GRAND RIVER FROM MOUTH TO AND INCLUDING DIAMOND ALKALI CO. STONE DOCK, 1.5 MILES. CONTROLLING DEPTH: OUTER HARBOR, 25 FEET; THENCE 3,500 FEET UPSTREAM FROM MOUTH OF RIVER, 24 FEET; THENCE 4,000 FEET UPSTREAM, 21 FEET, EXCEPT FOR 1,000 FEET OF THE UPSTREAM END OF THE WEST SIDE OF THE CHANNEL, 5 FEET; TURNING BASIN, 18 FEET. PROJECT DEPTH: ENTRANCE CHANNEL, 20 FEET; OUTER HARBOR, 28 FEET IN A CHANNEL GENERALLY 800 FEET WIDE FROM THE ENTRANCE CHANNEL TO THE MOUTH OF GRAND RIVER; REMAINDER OF OUTER HARBOR, 25 FEET; GRAND RIVER, 27 FEET EXCEPT FOR 1,000 FEET OF THE UPSTREAM END OF THE WEST SIDE OF THE CHANNEL, 8 FEET; TURNING BASIN, 21 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	2,679,385	1976-----	2,677,023
1972-----	2,913,317	1977-----	2,199,262
1973-----	3,681,272	1978-----	2,598,469
1974-----	2,937,601	1979-----	2,391,680
1975-----	3,020,122	1980-----	1,906,627

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		CANADIAN		LAKEWISSE		
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,906,627	199,130	320,853	1,113,796	197,786	119,942
0911 FRESH FISH, EXCEPT SHELLFISH-----	81	-----	-----	-----	-----	81
1411 LIMESTONE-----	1,113,796	-----	-----	1,113,796	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	324,643	199,130	9,652	-----	-----	115,861
1499 NONMETALLIC MINERALS, NEC-----	468,187	-----	318,401	-----	197,786	-----

BUFFALO, N. Y., DISTRICT

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ASHTABULA HARBOR, OHIO

SECTION INCLUDED: OUTER HARBOR AND ASHTABULA RIVER FROM MOUTH TO AND INCLUDING CITY OF ASHTABULA DOCK (FORMER GREAT LAKES ENGINEERING WORKS DOCK), 1.75 MILES. CONTROLLING DEPTH: THE HARBOR SHOREWARD OF THE INNER BREAKWATER, THE APPROACH TO THE PENN. CENTRAL RAILROAD COMPANY'S SLIP AND THE LOWER 2,000 FEET OF THE ASHTABULA RIVER, 27 FEET; THENCE TO CAR FERRY SLIP, 10 FEET; THENCE TO A POINT 1,550 FEET UPSTREAM FROM TURNING BASIN AND INCLUDING TURNING BASIN, 3 FEET. PROJECT DEPTH: ENTRANCE CHANNEL, 29 FEET; WESTERLY PORTION OF OUTER HARBOR TO INNER BREAKWATER, 28 FEET; APPROACH CHANNEL TO DOCKS EAST OF INNER BREAKWATER, 28 FEET; TURNING BASIN IN THE EASTERLY PORTION OF THE OUTER HARBOR, 22 FEET; CHANNEL FROM INSIDE THE INNER BREAKWATER TO MOUTH OF RIVER AND 2,000 FEET UPSTREAM AND APPROACH CHANNEL TO PENN. CENTRAL RAILROAD SLIP, 27 FEET; THENCE TO CAR FERRY SLIP, 10 FEET; THENCE TO A POINT 1,550 FEET UPSTREAM FROM TURNING BASIN AND INCLUDING TURNING BASIN, 16 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	11,281,010	1976-----	11,700,411
1972-----	12,063,064	1977-----	11,632,975
1973-----	10,872,484	1978-----	12,830,261
1974-----	10,852,239	1979-----	14,602,645
1975-----	6,738,094	1980-----	10,074,956

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL	
		OVERSEAS	CANADIAN	LAKEWATERS			
		IMPORTS	IMPORTS	EXPORTS	RECEIPTS		SHIPMENTS
TOTAL-----	10,074,956	155,274	1,442,211	4,296,692	3,110,895	1,063,841	83
0911 FRESH FISH, EXCEPT SHELLFISH-----	83						83
1011 IRON ORE AND CONCENTRATES-----	4,016,991		1,262,847		2,754,144		
1091 ALUMINUM ORES, CONCENTRATES-----	17,058	17,058					
1091 NONFERROUS ORES, CONCENT, NEC-----	72,183	66,543	5,620				
1121 COAL AND LIGNITE-----	5,311,476			4,230,741	8,694	1,063,841	
1411 LIMESTONE-----	353,857				353,857		
1442 SAND, GRAVEL, CRUSHED ROCK-----	14,591		14,591				
1491 CLAY-----	15,492	15,492					
1499 NONMETALLIC MINERALS, NEC-----	64,682		6,691	57,911			
2421 LUMBER-----	11		11				
2431 VENEER, PLYWOOD, WORKED WOOD-----	6,962		6,962				
2631 PAPER AND PAPERBOARD-----	10,363		10,363				
2873 PHOSPHATIC CHEM FERTILIZERS-----	65,928		65,928				
3241 BUILDING CEMENT-----	48,042		48,042				
3315 IRON, STEEL SHAPES, EXC SHEET-----	5,028	5,028					
3318 FERROALLOYS-----	15,632		15,632				
4012 NONFERROUS METAL SCRAP-----	55,857	50,333	5,524				

CONNEAUT HARBOR, OHIO

SECTION INCLUDED: OUTER HARBOR AND CONNEAUT RIVER 2,450 FEET UPSTREAM OF THE OUTER END OF THE WEST PIER, CONTROLLING DEPTH: WESTERLY PORTION OF OUTER HARBOR, 22 FEET; ACCESS CHANNEL TO CITY DOCK, 2 FEET; EASTERLY PORTION OF OUTER HARBOR 28 FEET. PROJECT DEPTH: EASTERLY PORTION OF OUTER HARBOR, 28 FEET; WESTERLY PORTION OF OUTER HARBOR, 22 FEET; ACCESS CHANNEL TO CITY DOCK, 6 FEET; INNER HARBOR, 27 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	15,891,002	1976-----	16,464,534
1972-----	14,683,654	1977-----	15,146,627
1973-----	16,731,912	1978-----	17,427,794
1974-----	16,966,435	1979-----	21,478,061
1975-----	19,192,311	1980-----	10,654,609

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		CANADIAN		LAKEWATSE		
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	10,654,609	1,346,770	5,738,696	9,249,707	8,317,190	190
0911 FRESH FISH, EXCEPT SHELLFISH-----	190					190
1011 IRON ORE AND CONCENTRATES-----	9,264,001	1,346,592		7,935,409		
1121 COAL AND LIGNITE-----	8,034,801		9,717,643		2,317,190	
1411 LIMESTONE-----	1,314,378			1,314,378		
1499 NONMETALLIC MINERALS, NEC-----	186		186			
2920 COKE, PETROLEUM COKE-----	21,053		21,053			

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

ERIE HARBOR, PA.

SECTION INCLUDED: SOUTHERLY SIDE OF ERIE HARBOR AND LAKE ERIE WATER FRONTAGE FROM HARBOR ENTRANCE EASTWARD TO AND INCLUDING SUN OIL CO. DOCK, 3.5 MILES. CONTROLLING DEPTH: ENTRANCE CHANNEL, 27 FEET; CHANNEL TO EASTERLY COAL AND ORE DOCKS, 27 FEET; AND 27 FEET TO THE PORT AUTHORITY DOCK; HARBOR BASIN, 21 FEET; WESTERLY PORTION OF HARBOR, 16 FEET, PROJECT DEPTH: ENTRANCE CHANNEL, 29 FEET; APPROACH CHANNEL TO EASTERLY COAL AND ORE DOCKS, 28 FEET; APPROACH TO PORT AUTHORITY DOCKS, 27 FEET; HARBOR BASIN, 21 FEET; WESTERLY PORTION OF HARBOR BASIN, 18 FEET. THE APPROACH CHANNEL FROM THE 88 FOOT CHANNEL TO AND INCLUDING TURNING BASIN AT WESTERLY DOCKS HAS BEEN AUTHORIZED, BUT NEVER COMPLETED AND CONSIDERED INACTIVE AT THE PRESENT TIME.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	1,249,218	22,725	1976-----	1,157,637	-----
1972-----	1,360,244	16,765	1977-----	954,672	-----
1973-----	1,283,342	14,496	1978-----	1,129,985	67,200
1974-----	903,187	9,208	1979-----	833,707	27,360
1975-----	1,218,193	9,735	1980-----	988,075	24,888

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		LOCAL
		OVERSEAS		CANADIAN		LAKEWISSE		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	988,075	24,980	36,714	83,950	111	289,203	9,317	147,800
0141 FRESH AND FROZEN VEGETABLES-----	1,061	-----	1,061	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	120	-----	-----	-----	-----	-----	-----	120
1121 COAL AND LIGNITE-----	5,317	-----	-----	-----	-----	-----	9,317	-----
1411 LIMESTONE-----	150,446	-----	-----	-----	-----	150,446	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	230,688	-----	-----	77,091	-----	5,917	-----	147,680
1499 NONMETALLIC MINERALS, NEC-----	40,284	-----	-----	981	-----	39,303	-----	-----
2042 PREPARED ANIMAL FEEDS-----	346	-----	346	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	1	1	-----	-----	-----	-----	-----	-----
2411 LOGS-----	5,472	-----	5,472	-----	-----	-----	-----	-----
2421 LUMBER-----	955	-----	955	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	8	-----	-----	-----	8	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	474	474	-----	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	48	-----	48	-----	-----	-----	-----	-----
2831 DRUGS-----	2	2	-----	-----	-----	-----	-----	-----
2891 PAINTS-----	18	18	-----	-----	-----	-----	-----	-----
2911 GASOLINE-----	13,537	-----	-----	-----	-----	13,537	-----	-----
3291 STRUCTURAL CLAY PRODUCTS-----	19	19	-----	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	64	64	-----	-----	-----	-----	-----	-----
3310 FERROALLOYS-----	30,240	24,362	-----	5,878	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	13	-----	-----	-----	13	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	226	39	187	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,386	-----	1,386	-----	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	381	-----	374	-----	7	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	30	-----	30	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	1	-----	1	-----	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,867	-----	1,867	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	24,987	-----	24,987	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	84	1	-----	-----	83	-----	-----	-----

BUFFALO HARBOR, N. Y. (INCLUDED IN PORT OF BUFFALO)

SECTION INCLUDED: OUTER HARBOR, LACKAWANNA CANAL, UNION CANAL, BUFFALO RIVER FROM MOUTH TO CONRAIL RY BRIDGE, 5.5 MILES, BUFFALO SHIP CANAL, AND BLACK ROCK LOCK CANAL TO THE BLACK ROCK LOCK, CONTROLLING DEPTH: SOUTH ENTRANCE CHANNEL, 28 FEET; SOUTH OUTER HARBOR, 26 FEET; THENCE 26 FEET TO NIAGARA FRONTIER PORT TERMINAL, AND 22 FEET IN THE REMAINDER OF THE OUTER HARBOR TO THE NORTH; NEW NORTH ENTRANCE CHANNEL, 25 FEET, AND BLACK ROCK CANAL, 21 FEET; BUFFALO RIVER ENTRANCE, BUFFALO RIVER, AND BUFFALO SHIP CANAL, 21 FEET, PROJECT DEPTH: SOUTH ENTRANCE CHANNEL, 29 FEET; SOUTH OUTER HARBOR, 30 FEET; MIDDLE SECTION OUTER HARBOR, 27 FEET; NORTH OUTER HARBOR, 23 FEET; NORTH ENTRANCE CHANNEL, 25 FEET; BUFFALO RIVER ENTRANCE, BUFFALO RIVER, AND BUFFALO SHIP CANAL, 28 FEET; BLACK ROCK CANAL, 21 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971-----	10,137,206	19,617	1976-----	11,481,716	24
1972-----	8,448,185	-----	1977-----	7,975,244	-----
1973-----	12,603,820	-----	1978-----	9,134,753	-----
1974-----	9,576,553	2	1979-----	8,315,880	-----
1975-----	7,018,748	-----	1980-----	5,678,309	-----

FREIGHT TRAFFIC, 1980

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS		EXPORTS	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
TOTAL-----	774,202	14,492	32,638	722,557	4,555
0191 MISCELLANEOUS FARM PRODUCTS-----	1	1	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	563,607	-----	-----	563,607	-----
1491 CLAY-----	8,338	8,338	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	21,892	18	-----	21,874	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	17	17	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	3,307	-----	3,307	-----	-----

BUFFALO, N. Y., DISTRICT

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BUFFALO HARBOR, N. Y. (INCLUDED IN PORT OF BUFFALO)--CONTINUED

FREIGHT TRAFFIC, 1988--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
2081 ALCOHOLIC BEVERAGES-----	1	1			
2211 BASIC TEXTILE PRODUCTS-----	31	31			
2421 LUMBER-----	20		20		
2873 PHOSPHATIC CHEM FERTILIZERS-----	12,078			12,078	
2918 ASPHALT, TAR, AND PITCHES-----	4,546				4,546
3011 RUBBER AND MISC PLASTIC PROD-----	7	7			
3241 BUILDING CEMENT-----	124,976			124,976	
3318 FERROALLOYS-----	5,987	5,987			
3411 FABRICATED METAL PRODUCTS-----	18		9		9
3511 MACHINERY, EXCEPT ELECTRICAL-----	338	30	306		
3611 ELECTRICAL MACH AND EQUIP-----	3		3		
3711 MOTOR VEHICLES, PARTS, EQUIP-----	161		161		
3811 INSTR. TIME, PHOTO, OPT GOODS-----	9				9
3911 MISC MANUFACTURED PRODUCTS-----	25	22	3		
4011 IRON AND STEEL SCRAP-----	28,829		28,829		
4112 COMMODITIES, NEC-----	11			11	

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	LAKEWISE		INTERNAL	LOCAL
		SHIPMENTS	RECEIPTS	SHIPMENTS	SHIPMENTS	
TOTAL-----	4,696,107	15,217	4,511,170	55,995	36,868	76,857
0102 BARLEY AND RYE-----	85,469		85,469			
0104 OATS-----	3,004		3,004			
0107 WHEAT-----	1,360,900		1,360,900			
0911 FRESH FISH, EXCEPT SHELLFISH-----	1					11
1011 IRON ORE AND CONCENTRATES-----	2,034,715		2,034,715			
1411 LIMESTONE-----	478,246		478,246			
1442 SAND, GRAVEL, CRUSHED ROCK-----	206,240		206,240			
1494 GYPSUM, CRUDE AND PLASTERS-----	65,278		65,278			
1499 NONMETALLIC MINERALS, NEC-----	58,707		58,707			
2911 GASOLINE-----	11,809		3,817	7,992		
2914 DISTILLATE FUEL OIL-----	13,906		4,737	9,089		4,160
2915 RESIDUAL FUEL OIL-----	189,286	15,217	46,956	22,568	31,899	72,686
2918 ASPHALT, TAR, AND PITCHES-----	6,224		6,224			
2920 COKE, PETROLEUM COKE-----	31,834		31,834			
3241 BUILDING CEMENT-----	127,504		127,504			
3311 PIG IRON-----	14,474			14,474		
3312 SLAG-----	8,500		8,500			

TONS, ALL TRAFFIC, 5,470,309.

NIAGARA RIVER, N. Y. (INCLUDED IN PORT OF BUFFALO)

SECTION INCLUDED: BLACK ROCK CHANNEL NORTH OF THE BLACK ROCK LOCK AND NIAGARA RIVER TO AND INCLUDING AMERICAN OIL CO. DOCK, 0.5 MILE SOUTH OF THE TONAWANDA CITY LINE, THE NORTHERN LIMIT OF THE NIAGARA RIVER SECTION OF THE PORT OF BUFFALO, CONTROLLING AND PROJECT DEPTHS: 21 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	971,961	1976-----	827,653
1972-----	839,974	1977-----	760,821
1973-----	635,314	1978-----	889,964
1974-----	904,378	1979-----	559,884
1975-----	627,816	1980-----	563,579

FREIGHT TRAFFIC, 1980

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE		INTERNAL	LOCAL
		RECEIPTS	SHIPMENTS	SHIPMENTS	
TOTAL-----	563,579	266,001	243,916	6,095	47,667
1121 COAL AND LIGNITE-----	155,335	155,335			
2511 CRUDE TAR, OIL, GAS PRODUCTS-----	15,251		15,251		
2817 BENZENE AND TOLUENE-----	18,376		18,376		
2911 GASOLINE-----	27,267		27,267		
2912 JET FUEL-----	127,503		121,448	6,095	
2913 KEROSENE-----	3,366		3,366		
2914 DISTILLATE FUEL OIL-----	62,533	10,208	47,984		4,349
2915 RESIDUAL FUEL OIL-----	102,913	50,928	8,729		43,256
2917 NAPHTHA, PETROLEUM SOLVENTS-----	1,495		1,495		
2918 ASPHALT, TAR, AND PITCHES-----	49,540	49,540			
TOTAL TON-MILES, 3,580,292.					

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

PORT OF BUFFALO, N. Y.

SECTION INCLUDED: OUTER HARBOR, LACKAWANNA CANAL, UNION CANAL, BUFFALO RIVER FROM MOUTH TO CONRAIL RY BRIDGE 5.5 MILES, BUFFALO SHIP CANAL, BLACK ROCK CANAL, BLACK ROCK LOCK, BLACK ROCK CHANNEL, NIAGARA RIVER, AND TONAWANDA TO AND INCLUDING BUFFALO OIL TERMINAL, INC. DOCK, LOCATED ABOUT 2,000 FEET NORTH OF TURNING BASIN, TONAWANDA INNER HARBOR, AND TONAWANDA CREEK CHANNEL FROM MOUTH TO MAIN STREET BRIDGE, CONTROLLING AND PROJECT DEPTHS: SEE BUFFALO HARBOR, NIAGARA RIVER AND TONAWANDA.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1971	11,067,491	19,617	1976	12,267,468	24
1972	9,226,253		1977	8,696,209	
1973	13,176,388		1978	9,961,560	
1974	10,442,084	2	1979	8,846,496	
1975	7,614,212		1980	5,986,470	

FREIGHT TRAFFIC, 1980

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
TOTAL	774,202	14,452	32,638	722,957	4,555
0191 MISCELLANEOUS FARM PRODUCTS	1	1			
1011 IRON ORE AND CONCENTRATES	563,607			563,607	
1491 CLAY	8,338	8,338			
1499 NONMETALLIC MINERALS, NEC	21,892	18		21,874	
2011 MEAT, FRESH, CHILLED, FROZEN	17	17			
2014 TALLOW, ANIMAL FATS AND OILS	3,307		3,307		
2081 ALCOHOLIC BEVERAGES	1	1			
2211 BASIC TEXTILE PRODUCTS	31	31			
2421 LUMBER	20		20		
2873 PHOSPHATIC CHEM FERTILIZERS	12,078			12,078	
2910 ASPHALT, TAR, AND BITUMENS	4,546				4,546
3011 RUBBER AND MISC PLASTIC PROD	7	7			
3241 BUILDING CEMENT	124,976			124,976	
3310 FERROALLOYS	5,987	5,987			
3411 FABRICATED METAL PRODUCTS	18		9		9
3911 MACHINERY, EXCEPT ELECTRICAL	338	30	306	2	
3911 ELECTRICAL MACH AND EQUIP	3		3		
3711 MOTOR VEHICLES, PARTS, EQUIP	161		161		
3811 INSTR, TIME, PHOTO, OPT GOODS	9				9
3911 MISC MANUFACTURED PRODUCTS	25	22	3		
4011 IRON AND STEEL SCRAP	28,829		28,829		
4112 COMMODITIES, NEC	11			11	

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	LANEWISE		INTERNAL	LOCAL
		SHIPMENTS	RECEIPTS	SHIPMENTS	SHIPMENTS	
TOTAL	5,212,268	15,217	4,777,171	299,911	42,923	77,046
0102 BARLEY AND RYE	85,469		85,469			
0104 OATS	3,004		3,004			
0107 WHEAT	1,360,900		1,360,900			
0911 FRESH FISH, EXCEPT SHELLFISH	11					11
1011 IRON ORE AND CONCENTRATES	2,034,715		2,034,715			
1121 COAL AND LIGNITE	155,335		155,335			
1411 LIMESTONE	478,246		478,246			
1442 SAND, GRAVEL, CRUSHED ROCK	206,240		206,240			
1494 GYPSUM, CRUDE AND PLASTERS	65,278		65,278			
1499 NONMETALLIC MINERALS, NEC	58,707		58,707			
2811 CRUDE TAR, OIL, GAS PRODUCTS	15,251			15,251		
2817 BENZENE AND TOLUENE	18,376			18,376		
2911 GASOLINE	39,076		3,817	35,259		
2912 JET FUEL	127,503			121,448	6,055	
2913 KEROSENE	3,368			3,368		
2914 DISTILLATE FUEL OIL	72,279		10,200	52,721	9,009	4,349
2915 RESIDUAL FUEL OIL	248,941	15,217	97,882	31,297	31,859	72,686
2917 NAPHTHA, PETROLEUM SOLVENTS	1,495			1,495		
2918 ASPHALT, TAR, AND BITUMENS	59,764		49,840	8,224		
2920 COKE, PETROLEUM COKE	31,834					
3241 BUILDING CEMENT	127,504		127,504			
3311 PIG IRON	14,474			14,474		
3312 SLAG	8,500		8,500			

TONS, ALL TRAFFIC.

5,986,470.

BUFFALO, N. Y., DISTRICT

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OSWEGO HARBOR, N. Y.

SECTION INCLUDED: OUTER HARBOR AND OSWEGO RIVER FROM MOUTH TO NEW YORK STATE BARGE CANAL LOCK NO. 8, CONTROLLING DEPTH THROUGH OUTER HARBOR IS 24 FEET, CONTROLLING AND PROJECT DEPTHS; LAKE APPROACH CHANNEL, 27 FEET; CHANNEL THROUGH OUTER HARBOR, 25 FEET; LOWER 1,600 FEET OF OSWEGO RIVER CHANNEL, 24 FEET; REMAINDER OF OSWEGO RIVER CHANNEL AND OSWEGO HARBOR, 21 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1971-----	491,196	1976-----	1,014,135
1972-----	779,417	1977-----	1,346,112
1973-----	930,877	1978-----	1,219,979
1974-----	982,343	1979-----	1,499,967
1975-----	847,987	1980-----	860,144

FREIGHT TRAFFIC, 1980

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN			DOMESTIC		LOCAL
		OVERSEAS	CANADIAN		LAKEWIDE		
			IMPORTS	IMPORTS	EXPORTS	RECEIPTS	
TOTAL-----	860,144	11,917	663,858	5,009	170,388	8,961	11
0102 BARLEY AND RYE-----	31,170				31,170		
0911 FRESH FISH, EXCEPT SHELLFISH-----	11						11
2211 BASIC TEXTILE PRODUCTS-----	5,295	5,295					
2873 PHOSPHATIC CHEM FERTILIZERS-----	45,984		45,984				
2914 DISTILLATE FUEL OIL-----	14,293		14,293				
2915 RESIDUAL FUEL OIL-----	448,838		518,984		131,854		
2916 LUBRICATING OILS AND GREASES-----	5,009			5,009			
3241 BUILDING CEMENT-----	96,439	6,622	82,461		7,356		
3312 SLAG-----	8,961						8,961
3324 ALUMINUM AND ALLOYS, UNWORKED-----	4,176		4,176				

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

OTHER HARBORS AND WATERWAYS			
HARBOR OR WATERWAY	COMMODITY	TONS	PASSENGERS
PROJECT			
BARCELONA HARBOR, N. Y.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	39	-----
CAPE VINCENT, N. Y.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	5	39,628
DUNKIRK HARBOR, N. Y.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	109	-----
GREAT SODUS BAY HARBOR, N. Y.-----	NO COMMERCE REPORTED		
KELLEYS ISLAND, OHIO-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	4	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	108	-----
	2094 GROCERIES-----	240	-----
	2095 ICE-----	58	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	298	-----
	2911 FURNITURE AND FIXTURES-----	71	-----
	2911 GASOLINE-----	940	-----
	2914 DISTILLATE FUEL OIL-----	433	-----
	2910 ASPHALT, TAR, AND PITCHES-----	185	-----
	2921 LIQUEFIED GASES-----	70	-----
	3411 FABRICATED METAL PRODUCTS-----	3	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	389	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	50	-----
	4112 COMMODITIES, NEC-----	685	-----
	TOTAL-----	3,234	157,222
NIAGARA FALLS, N. Y.-----	NO COMMERCE REPORTED		
ODDENSBURG HARBOR, N. Y.-----	1091 NONFERROUS ORES, CONCENT, NEC-----	15,641	-----
	1411 LIMESTONE-----	22,080	-----
	1499 NONMETALLIC MINERALS, NEC-----	26,309	-----
	2911 GASOLINE-----	51,039	-----
	2913 KEROSENE-----	3,021	-----
	2914 DISTILLATE FUEL OIL-----	15,842	-----
	2915 RESIDUAL FUEL OIL-----	15,394	-----
	4024 PAPER WASTE AND SCRAP-----	125	-----
	TOTAL-----	149,371	-----
PORT CLINTON HARBOR, OHIO-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,175	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	12,355	-----
	2911 GASOLINE-----	97	-----
	2914 DISTILLATE FUEL OIL-----	415	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	108	-----
	4112 COMMODITIES, NEC-----	5,254	-----
	TOTAL-----	19,404	59,347
ROCHESTER (CHARLOTTE) HARBOR, N. Y.-----	2915 RESIDUAL FUEL OIL-----	17,121	-----
	3241 BUILDING CEMENT-----	165,960	-----
	TOTAL-----	178,081	-----
SACKETTS HARBOR, N. Y.-----	NO COMMERCE REPORTED		
TONAWANDA HARBOR, N. Y. (INCLUDED IN PORT OF BUFFALO)-----	NO COMMERCE REPORTED		
VERMILION HARBOR, OHIO-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	589	-----
WADDINGTON HARBOR, N. Y.-----	NO COMMERCE REPORTED		

Section 2
TRIPS AND DRAFTS OF VESSELS

67/68

ST. PAUL, MINN., DISTRICT (GREAT LAKES PORTION)

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TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
TWO HARBORS (AGATE BAY), MINN.												
28 - - - - -	2			INBOUND		3	38			OUTBOUND		50
27 - - - - -				1		1	1			12		143
26 - - - - -			30	6		36	106			32		57
25 - - - - -			3	39		42	21		30	6		20
24 - - - - -	42					42	20					
23 - - - - -	55					55	5					5
22 - - - - -	1					1	1					1
21 - - - - -							1					1
20 - - - - -	32			3		35						
19 - - - - -	47					47						
18 - - - - -	6					6						
17 - - - - -	1					1						
16 - - - - -	1					1						
15 - - - - -	4					4						
14 - - - - -	6					6						
12 AND LESS - - - - -	514					514	514					514
TOTAL - - - - -	703		33	50		786	706		33	50		789
DULUTH-SUPERIOR HARBOR, MINN. AND WIS.												
32 - - - - -	1			INBOUND		1				OUTBOUND		
30 - - - - -							1					1
29 - - - - -							1					1
28 - - - - -	3			3		6	85			3		86
27 - - - - -	7					7	400					400
26 - - - - -	39					39	643		1			644
25 - - - - -	22					22	80					80
24 - - - - -	24					24	58					58
23 - - - - -	62					62	108					108
22 - - - - -	81	11				92	99					99
21 - - - - -	127	4				131	51			1		52
20 - - - - -	373	2		1		376	48					48
19 - - - - -	323	3				326	26	11				37
18 - - - - -	251					251	32	3				35
17 - - - - -	239	1				240	48	2				50
16 - - - - -	248					248	18	9				27
15 - - - - -	13		1			14	2					2
14 - - - - -	10		1			11	136					136
13 - - - - -	1					1	5					5
12 AND LESS - - - - -	1,299	7	4		3	1,313	1,298	3	5		4	1,310
TOTAL - - - - -	3,123	28	6	4	4	3,165	3,137	28	6	4	4	3,179
ASHLAND HARBOR, WIS.												
21 - - - - -	4			INBOUND		4	1			OUTBOUND		1
20 - - - - -	12					12	8					8
19 - - - - -	5					5	1					1
18 - - - - -							5					5
17 - - - - -							2					2
16 - - - - -							1					1
15 - - - - -							1					1
14 - - - - -							1					1
12 AND LESS - - - - -	20					20	20					20
TOTAL - - - - -	41					41	40					40
BAYFIELD HARBOR, WIS.												
TOTAL, 5 AND LESS - - - - -	6,984			INBOUND		6,984	6,991			OUTBOUND		6,991
BEAVER BAY HARBOR, MINN.												
TOTAL, 5 AND LESS - - - - -	552			INBOUND		552	550			OUTBOUND		550
CORNUCOPIA HARBOR, WIS.												
TOTAL, 5 AND LESS - - - - -	300			INBOUND		300	300			OUTBOUND		300
GRAND MARAIS HARBOR, MINN.												
TOTAL, 5 AND LESS - - - - -	592			INBOUND		592	592			OUTBOUND		592
KNIFE RIVER HARBOR, MINN.												
TOTAL, 5 AND LESS - - - - -	404			INBOUND		404	406			OUTBOUND		406
LA POINTE HARBOR, WIS.												
TOTAL, 5 AND LESS - - - - -	4,391			INBOUND		4,391	4,389			OUTBOUND		4,389
LUTSEN HARBOR, MINN.												
TOTAL, 5 AND LESS - - - - -	84			INBOUND		84	84			OUTBOUND		84
PORT WING HARBOR, WIS.												
TOTAL, 5 AND LESS - - - - -	541			INBOUND		541	541			OUTBOUND		541
WARROAD HARBOR, MINN.												
TOTAL, 5 AND LESS - - - - -	1,317			INBOUND		1,317	1,317			OUTBOUND		1,317

WATERBORNE COMMERCE OF THE UNITED STATES, 1980
ST. PAUL, MINN., DISTRICT (GREAT LAKES PORTION)

TRIPS AND DRAFTS OF VESSELS												
HARBOR OR WATERWAY	DIRECTION											
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	DIRECTION					
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		SELF PROPELLED VESSELS	NON SELF PROPELLED VESSELS		TOTAL		
DRAFT (FEET)							PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT		DRY CARGO	TANKER
SILVER BAY, MINN. TOTAL, 20 AND LESS - - - - -	937			INBOUND		937	536			OUTBOUND		536
TACONITE HARBOR, MINN. TOTAL, 20 AND LESS - - - - -	221		4	INBOUND 1 2		228	219		2	OUTBOUND 2		223

CHICAGO, ILL., 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
GREEN BAY HARBOR, WIS.												
26 - - - - -												
25 - - - - -	1					1	1					1
24 - - - - -	20	1				21	3	2				5
23 - - - - -	31	9				36		5				5
22 - - - - -	27	7				34	3	1				4
21 - - - - -	44	4				48	8	1				9
20 - - - - -	37	2				39	5	1				6
19 - - - - -	7					7	7	1				8
18 - - - - -	3					3	31	2				33
17 - - - - -	6				3	11	20	2				22
16 - - - - -	2		4			6	37	2	4			43
15 - - - - -	3				1	4	13	3				16
14 - - - - -						7						7
13 - - - - -						12						12
12 AND LESS - - - - -	1,217					1,217	1,252		2		3	1,257
TOTAL - - - - -	1,400	19	4		4	1,427	1,399	20	6		3	1,428
Kewaunee Harbor, Wis.												
20 - - - - -	338					339	338					338
18 - - - - -	99					99	100					100
17 - - - - -	516					516	521					521
15 - - - - -	98					98	103					103
14 - - - - -	1		1			1						1
12 AND LESS - - - - -	14					14	16		1	1		18
TOTAL - - - - -	1,065		1	1		1,067	1,076		1	1		1,080
MAYTOWOC HARBOR, WIS.												
21 - - - - -	21					21						
20 - - - - -	276					276	271					271
19 - - - - -	4					4						
18 - - - - -	58					58	57					57
17 - - - - -	88					88	90					90
16 - - - - -	2					2						
15 - - - - -	34					34	39					39
14 - - - - -							30					30
12 AND LESS - - - - -	2					2						
TOTAL - - - - -	489					489	487					487
PORT WASHINGTON HARBOR, WIS.												
21 - - - - -	31					31	15					15
20 - - - - -	3					3	8					8
19 - - - - -	1	13				14	1	1				2
18 - - - - -					2	1	8					8
17 - - - - -							1					1
16 - - - - -							1	1				2
15 - - - - -							1					1
14 - - - - -							1					1
13 - - - - -							1					1
12 AND LESS - - - - -	54		2			56	54	9	2		1	66
TOTAL - - - - -	89	13	2		1	105	89	12	2		1	104
MILWAUKEE HARBOR, WIS.												
27 - - - - -	1					1	11					11
26 - - - - -	5	2				10	62	3				65
25 - - - - -	11					12	10					10
24 - - - - -	15					17	9	1				10
23 - - - - -	24	2				26	10	1				11
22 - - - - -	40					40	42					42
21 - - - - -	62					62	17	2				19
20 - - - - -	284					287	217	6	1	2		225
19 - - - - -	61	2				63	29	19				48
18 - - - - -	37					37	43	10				53
17 - - - - -	19	1			2	22	17	5				22
16 - - - - -	12		1			13	11	15	9			31
15 - - - - -	4	1				6	8		6	2		16
14 - - - - -	2				1	5	103		2			105
13 - - - - -	4				2	11	23	1	5			29
12 AND LESS - - - - -	771	1	10	9	8	795	776	1	7	5	11	800
TOTAL - - - - -	1,355	64	19	8	13	1,459	1,356	64	26	11	11	1,468
MAUKEGAN HARBOR, ILL.												
21 - - - - -	1					1						
20 - - - - -	8					8	1					1
19 - - - - -	17					17						
18 - - - - -	9					9						
17 - - - - -	3					3						
16 - - - - -	1					1						
15 - - - - -							5					5
14 - - - - -							6					6
13 - - - - -							17					17
12 AND LESS - - - - -	74					74	82					82
TOTAL - - - - -	113					113	111					111

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

CHICAGO, ILL., 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
CHICAGO HARBOR, ILL.				INBOUND						OUTBOUND		
25 - - - - -	4					4						2
22 - - - - -	4					4	2					1
21 - - - - -	4					4						3
19 - - - - -	2					2	1					4
18 - - - - -							3					4
17 - - - - -							4					49
16 - - - - -			41		2	43	1		48			37
15 - - - - -	2		33			35	3		34			1
14 - - - - -					7	7					1	65
13 - - - - -	6		56		1	63	4		61			2,718
12 AND LESS - - - - -	2,911		129	99	10	2,749	2,511		103	93	9	2,800
TOTAL - - - - -	2,933		259	99	20	2,911	2,529		248	93	10	2,800
CHICAGO RIVER (MAIN AND NORTH BRANCH), ILL.				UPBOUND						DOWNBOUND		
21 - - - - -	6			3		9	1	1		3		5
20 - - - - -				1		1	3					3
19 - - - - -							2					2
18 - - - - -							17					17
17 - - - - -	1		1			2	1		1		4	6
16 - - - - -			12			12			9			9
15 - - - - -		1	21			22			15		3	18
14 - - - - -	17		2		2	21	1		3		9	13
13 - - - - -	10		109		1	120	6		97		21	124
12 AND LESS - - - - -	422		571	1,388	225	2,606	422		612	1,369	188	2,591
TOTAL - - - - -	456	1	716	1,392	228	2,793	453	1	737	1,572	225	2,788
CHICAGO RIVER, SOUTH BRANCH, ILL.				UPBOUND						DOWNBOUND		
TOTAL, 12 AND LESS - - - - -	242	1	740	2,098	223	3,302	238	1	777	2,076	238	3,330
CHICAGO SANITARY AND SHIP CANAL, ILL.				UPBOUND						DOWNBOUND		
TOTAL, 12 AND LESS - - - - -	42		2,955	9,996	3,957	16,950	32		2,863	10,411	4,192	17,500
CALUMET-SAG CHANNEL, ILL.				UPBOUND						DOWNBOUND		
9 - - - - -	2		232	666	244	1,144	2		235	740	443	1,420
8 - - - - -			265	277	193	795			290	497	89	876
7 - - - - -			32	69	3	100			32	257	5	294
6 - - - - -			95	130	1	246			68	203	2	293
5 - - - - -	13			44	4	61	13			48	2	63
4 - - - - -				7	7	14				32		32
3 - - - - -				5	10	15				16	28	44
2 - - - - -	1		2	1,098	449	1,550				497	302	799
1 - - - - -					4	4				3	8	11
TOTAL - - - - -	16		646	2,312	915	3,869	15		645	2,293	879	3,832
LAKE CALUMET, ILL.				INBOUND						OUTBOUND		
27 - - - - -												1
26 - - - - -	3	1				4	7	1				10
25 - - - - -	2	3				5	5	1				6
24 - - - - -	5					5	6	1				7
23 - - - - -	5	4				9	8	3				9
22 - - - - -	11	3				14	11	3				12
21 - - - - -	1					1	3	2				5
20 - - - - -	4	1				5	3					3
19 - - - - -	8	5		1		14	1	3		1		5
18 - - - - -	2	6				8	4					4
17 - - - - -	5	1				6	2					2
16 - - - - -		1	4			5	1					1
15 - - - - -					1	1			2			2
14 - - - - -	1		1			2		1	1			2
13 - - - - -			4			4			4			4
12 AND LESS - - - - -		3	93	286	218	600		9	77	283	143	452
TOTAL - - - - -	51	28	102	287	219	687	49	25	84	284	143	525
CALUMET HARBOR AND RIVER, ILL. AND IND.				EASTBOUND						WESTBOUND		
28 - - - - -	3	1				4	1			5		6
27 - - - - -	3					3	91			19		73
26 - - - - -	81	3	16	6		100	78	1	13	6		180
25 - - - - -	11	1		3		15	48	3				51
24 - - - - -	28	2				30	34					34
23 - - - - -	47	4	2	21		74	33	4				37
22 - - - - -	46	3				49	41	6				47
21 - - - - -	44	2				46	32	2				34
20 - - - - -	116	1				117	32					32
19 - - - - -	59	3		1		63	94	3		1		60
18 - - - - -	89	1				90	33	7				40
17 - - - - -	16					16	33	1			1	35
16 - - - - -	22	1	16	1		42	23	1	11	1		36
15 - - - - -	3		72			25	12	1	21		3	37
14 - - - - -	7	1	3		1	12	91		4		10	105
13 - - - - -	2		14		2	18	3		11		21	39
12 AND LESS - - - - -	15	11	906	2,166	937	3,235	13	9	478	2,197	402	3,145
TOTAL - - - - -	588	34	991	2,198	940	3,941	612	36	543	2,189	927	3,967

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
ILLINOIS RIVER, ILL.												
9 - - - - -				UPBOUND						DOWNBOUND		
8 - - - - -			1,001	5,935	1,633	9,449		1	2,092	11,725	2,479	16,297
7 - - - - -			992	1,001	752	2,745			994	1,509	303	2,766
6 - - - - -	1		134	190	14	347			113	713	14	840
5 - - - - -			217	211	1	429			117	866	1	1,004
4 - - - - -				30	3	41				121	1	122
3 - - - - -	308			10	2	326	308			60	2	378
2 - - - - -				37	7	44				23	69	92
1 - - - - -	1		77	12,086	2,005	14,169			73	5,312	1,663	7,048
				10	47	57				16	122	138
TOTAL - - - - -	310		3,301	19,532	4,464	27,607	308	1	3,349	20,373	4,654	28,685
INDIANA HARBOR, IND.												
29 - - - - -	73			INBOUND		73				OUTBOUND		
28 - - - - -	40			2		42						6
27 - - - - -	164			2		166						5
26 - - - - -	99					99						4
25 - - - - -	11	1				12						1
24 - - - - -	7					7						50
23 - - - - -	84					84						98
22 - - - - -	10	4				22		68				120
21 - - - - -	14	14				28		106				92
20 - - - - -	20	9				29		12		5		126
19 - - - - -	4	98				62		32				47
18 - - - - -	4	64				68		9			2	20
17 - - - - -	26				12	38		1			17	155
16 - - - - -	6	13	70	1		90		1	57			38
15 - - - - -	4	4	40			44			35		1	110
14 - - - - -	43		1			44			1		8	69
13 - - - - -	6	2	90			88			57		518	1,694
12 AND LESS - - - - -	212	31	298	697	941	1,739	208	2	318	848	518	2,644
TOTAL - - - - -	761	226	489	662	953	2,691	746	227	448	653	550	2,644
BURNS WATERWAY HARBOR, IND.												
28 - - - - -	17			INBOUND		18				OUTBOUND		
27 - - - - -	78			1		79				1		4
26 - - - - -	12					12						8
25 - - - - -	21					21						4
24 - - - - -	6					6						3
23 - - - - -	9					9						11
22 - - - - -	10					10						17
21 - - - - -	12					13						17
20 - - - - -	5			1		6						70
19 - - - - -	5					5						45
18 - - - - -	18					18						11
17 - - - - -	3					3		1				10
16 - - - - -	3					3						3
15 - - - - -	3		4			7				1		2
14 - - - - -	3		2			5			2			2
13 - - - - -	11		1			12			1		1	2
12 AND LESS - - - - -	191		3	374	76	644	191		4	384	75	654
TOTAL - - - - -	404		10	376	76	866	392	1	7	386	77	863
ALGOMA HARBOR, WIS.												
TOTAL, 9 AND LESS - - - - -	214			INBOUND		214	214			OUTBOUND		214
DETROIT HARBOR, WIS.												
TOTAL, 9 AND LESS - - - - -	3,436			INBOUND		3,436	3,442			OUTBOUND		3,442
KENOSHA HARBOR, WIS.												
TOTAL, 26 AND LESS - - - - -	232			INBOUND		232	232			OUTBOUND		232
MEMPHINEE HARBOR AND RIVER, MICH. AND WIS.												
TOTAL, 22 AND LESS - - - - -	1,624		1	INBOUND		1,626	1,626		3	OUTBOUND		1,630
MICHIGAN CITY HARBOR, IND.												
TOTAL, 9 AND LESS - - - - -	970			INBOUND		970	970			OUTBOUND		970
OSCONTO HARBOR, WIS.												
TOTAL, 9 AND LESS - - - - -	293			INBOUND		293	293			OUTBOUND		293
PENSAUKEE HARBOR, WIS.												
TOTAL, 9 AND LESS - - - - -	1,279			INBOUND		1,279	1,279			OUTBOUND		1,279
RACINE HARBOR, WIS.												
TOTAL, 17 AND LESS - - - - -	340		11	INBOUND	8	359	342		9	OUTBOUND	7	358
SHEBOYGAN HARBOR, WIS.												
TOTAL, 20 AND LESS - - - - -	192		12	INBOUND	12	217	190		16	OUTBOUND	10	217

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CHICAGO, ILL., 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	
STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WIS. TOTAL, 23 AND LESS - - - - -	409	2	8	NORTHBOUND 3		422	407	2	12	SOUTHBOUND 4		425
TWO RIVERS HARBOR, WIS. TOTAL, 9 AND LESS - - - - -	944		2	INBOUND 1		947	944		1	OUTBOUND 2		947
BUFFINGTON HARBOR, IND. TOTAL, 27 AND LESS - - - - -	62		20	INBOUND 37		169	62		20	OUTBOUND 75		157
GARY HARBOR, IND. TOTAL, 28 AND LESS - - - - -	281		12	INBOUND 270		563	280		12	OUTBOUND 275		567

DETROIT, MICH., DISTRICT

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TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION													
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL								
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER							
PRESQUE ISLE HARBOR, MICH.													INBOUND		OUTBOUND					
28							49						49							
27							93						53							
26							27						27							
25							5						5							
24							32						4							
23							39						107							
22							46						19							
21							48						12							
20							16						18							
19							62						14							
18							53						6							
17							10						3							
16													1							
12 AND LESS							5						9							
TOTAL	324	7				331	322	7							329					
ST. MARYS RIVER, MICH.													UPBOUND		DOWNBOUND					
30							1													
29							1													
28							10						15		176					
27							9						32		865					
26							99						6		758					
25							37								170					
24							94								72					
23							328								280					
22							216								182					
21							242								106					
20							547								61					
19							540								51					
18							433								37					
17							296								64					
16							143								27					
15							22								1					
14							73								21					
13							6								3					
12 AND LESS							22,194								22,095					
TOTAL	25,147	44	40	38	2	25,291	24,833	40	38	56	2	24,969								
ST. MARYS FALLS CANAL, MICHIGAN AND SAULT STE. MARIE, ONTARIO SHIP CANAL, CANADA													EASTBOUND		WESTBOUND					
28							175						4		12					
27							863						1		7					
26							755						6		99					
25							128						3		37					
24							85								86					
23							193								311					
22							164								172					
21							99								226					
20							48								535					
19							37								468					
18							29								376					
17							97								288					
16							26								138					
15							1								15					
14							17								60					
13							3								6					
12 AND LESS							41								214					
TOTAL	2,583	26	14	93	2	2,698	2,932	26	36	54	2	3,050								
DRUMMOND ISLAND, MICH.													INBOUND		OUTBOUND					
25							48								48					
24							6								6					
23							3								12					
22							4								4					
21							8								8					
20							5								7					
19							32								2					
18							18								1					
17							9													
16							2													
15							7													
14							13													
12 AND LESS							10,425								7					
TOTAL	10,506					10,513	10,511								10,520					
GRAYS REEF PASSAGE, MICH.													NORTHBOUND		SOUTHBOUND					
25							261													
24							55													
23							137													
22							129													
21							111													
20							274													
19							234													
18							205													
17							82													

DETROIT, MICH., 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
GRAYS REEF PASSAGE, MICH.--(CONTINUED)												
16 - - - - -	64	3	41	NORTHBOUND					2	SOUTHBOUND		
15 - - - - -	19	1	14	1		109						2
14 - - - - -	61	1	6	2		32						
13 - - - - -	42		9		3	71	19					15
12 AND LESS- - - - -	26	10	17	3	48	93						
TOTAL- - - - -	1,512	105	115	57	68	1,857	187	3	2		4	196
TRAVERSE CITY HARBOR, MICH.												
19 - - - - -	3	46		INBOUND						OUTBOUND		
18 - - - - -						49	1	16				17
17 - - - - -							1	10				11
16 - - - - -							1	8				9
15 - - - - -								6				6
12 AND LESS- - - - -								5				5
TOTAL- - - - -	3	46				49	3	46				49
FRANKFORT HARBOR, MICH.												
20 - - - - -		3		INBOUND						OUTBOUND		
18 - - - - -	156					3						
17 - - - - -	608				5	156	156					156
16 - - - - -			5			613	603					603
15 - - - - -	138					5			9			9
12 AND LESS- - - - -					1	138	131	3			5	131
TOTAL- - - - -	902	3	5		6	916	890	3	9		5	907
LUDINGTON HARBOR, MICH.												
23 - - - - -	23			INBOUND						OUTBOUND		
22 - - - - -	5					23	9					9
21 - - - - -	2					9	14					14
20 - - - - -	814					2	3					3
19 - - - - -	3					814	818					818
18 - - - - -	3					3	9					9
17 - - - - -	1					3	7	1				8
16 - - - - -	2					1	5					5
15 - - - - -	10		35			37			21			22
14 - - - - -	10		30			40	3		34		3	40
13 - - - - -	2		31			10					8	11
12 AND LESS- - - - -	10	1		1	74	33	10		39	1	42	81
TOTAL- - - - -	885	1	96	1	74	1,057	882	1	98	1	83	1,065
MUSKEGON HARBOR, MICH.												
26 - - - - -	1			INBOUND						OUTBOUND		
25 - - - - -	2					1						
24 - - - - -	8					2						
23 - - - - -	20					8						
22 - - - - -	33	2				20	2					2
21 - - - - -	22	3				35	1					1
20 - - - - -	12	1				25	10	1				11
19 - - - - -	3					13	22	2				24
18 - - - - -	1					3	28	2				30
17 - - - - -	3					1	19					19
16 - - - - -						3	10	1				11
15 - - - - -						2	9					9
14 - - - - -			2			2	1					1
13 - - - - -	1				1	2	1					2
12 AND LESS- - - - -	132		11	1	8	152	133		4	1	8	146
TOTAL- - - - -	238	6	13	1	9	267	236	6	4	1	8	255
GRAND HAVEN HARBOR AND GRAND RIVER, MICH.												
25 - - - - -				INBOUND						OUTBOUND		
24 - - - - -						1	1					1
23 - - - - -	10					1	11					11
22 - - - - -	2					2	11					11
21 - - - - -	8					8	2					2
20 - - - - -	16					16	2					2
19 - - - - -	8					8	1					1
18 - - - - -	2					2	20					20
17 - - - - -	1					1						
16 - - - - -							1					1
15 - - - - -							3					3
14 - - - - -	7					7	3					3
TOTAL- - - - -	94					94	96					96
HOLLAND HARBOR, MICH.												
25 - - - - -				INBOUND						OUTBOUND		
24 - - - - -				1		1						
23 - - - - -				1		1						
22 - - - - -	3					3	2					2
21 - - - - -	14					14	5			1		6
20 - - - - -	7					7	4					4
19 - - - - -	7					7	1					1
18 - - - - -	2					2	9					9

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					TOTAL	DIRECTION					TOTAL
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
DRAFT (FEET)												
HOLLAND HARBOR, MICH.--(CONTINUED)				INBOUND						OUTBOUND		
17 - - - - -	3					3	4					4
16 - - - - -	2					2	4					4
14 - - - - -	1		1			2	4		1			5
12 - - - - -			1			1			1			1
9 - - - - -										1		1
TOTAL - - - - -	39		2	2		43	33		2	3		38
ST. JOSEPH HARBOR, MICH.				INBOUND						OUTBOUND		
24 - - - - -	1					1						
22 - - - - -	14					14						
21 - - - - -	15			2		17						
20 - - - - -	9					11						
19 - - - - -	2	2				2	6	1				7
18 - - - - -	1					1	6					6
17 - - - - -							4				1	5
16 - - - - -			8			8	5		6			13
15 - - - - -			5			5	5	1	5	2		11
14 - - - - -			2			2	11		2			13
13 - - - - -			10			10	2		4			6
12 AND LESS - - - - -	1		19		27	47	5		16		27	48
TOTAL - - - - -	43	2	44	2	27	118	44	2	33	2	28	109
ALPENA HARBOR, MICH.				INBOUND						OUTBOUND		
23 - - - - -	6					6	65					65
22 - - - - -	14					14	86					86
21 - - - - -	16					16	75					75
20 - - - - -	11					11	16					16
19 - - - - -	8					8	5					5
18 - - - - -	1					1	10					10
17 - - - - -	58					58	1					1
16 - - - - -	3		2		1	6	1		6			7
15 - - - - -			2			2	25		2			27
14 - - - - -	3					3	16					16
13 - - - - -	67				1	68						
12 AND LESS - - - - -	208				4	212	94				5	99
TOTAL - - - - -	395		4		6	405	394		8		5	407
SAGINAW RIVER, MICH.				INBOUND						OUTBOUND		
25 - - - - -	4					4		2				2
24 - - - - -	12					12	1					1
23 - - - - -	49	4				53	3	4				7
22 - - - - -	47	3				50	8	5				13
21 - - - - -	15	8				23	7	7		1		15
20 - - - - -	28	4				24	11	4				15
19 - - - - -	7	12				19	22	6				28
18 - - - - -	15	8				23	31	2				33
17 - - - - -	74					74	92					92
16 - - - - -	6					6	29	7	2			38
15 - - - - -		1	3			4	32		3			35
14 - - - - -	1					1	13					13
13 - - - - -	1		4		1	6						
12 AND LESS - - - - -	99	3	2		9	113	105	7	3	1	9	125
TOTAL - - - - -	350	43	9		10	412	394	44	8	2	9	417
ST. CLAIR RIVER, MICH.				UPBOUND						DOWNBOUND		
29 - - - - -	5					5	16					16
28 - - - - -	57			3		60	189			4		193
27 - - - - -	52			1		53	675			2		677
26 - - - - -	114		3			117	898		4			902
25 - - - - -	39					39	216					216
24 - - - - -	147				4	151	178				5	183
23 - - - - -	339	9		3		351	378	2		1		381
22 - - - - -	245	7				252	336	2				338
21 - - - - -	326	5		1		332	199	1				200
20 - - - - -	528	8				528	113	8		3		124
19 - - - - -	469	17		1	2	489	78	7		4		89
18 - - - - -	557	4			1	562	42	5			1	48
17 - - - - -	416		5	1	25	447	20		5	2	10	37
16 - - - - -	173		80	4		257	14	3	79	1		97
15 - - - - -	39	2	67		2	110	13	4	100			117
14 - - - - -	58		7			70	16		8			25
13 - - - - -	26				3	29	3				1	4
12 AND LESS - - - - -	24,186	12	221	1	350	24,770	24,126	29	210		366	24,731
TOTAL - - - - -	27,768	64	383	15	392	28,622	27,510	61	406	17	384	28,378
PORT HURON, MICH.				INBOUND						OUTBOUND		
30 - - - - -	1					1						
28 - - - - -	4					4	5					5
25 - - - - -	1					1						
24 - - - - -	2					2	1					1
23 - - - - -	4					4						
22 - - - - -	3					3	1					1
21 - - - - -	2					2						
20 - - - - -	1					1						

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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 HURON, MICH.--(CONTINUED)												
10												
17	1					1	1					1
16						2	2					2
15						2		1				3
14			3	1		4			1	1		10
13			5			5			1			1
12 AND LESS			2			2						
TOTAL	23,711		7	4	7	23,729	23,711		7	4	6	23,728
TOTAL	23,738		17	5	7	23,759	23,731	1	9	5	6	23,752
MARYSVILLE, MICH.												
24												
23	3					3	1					1
22	4					4						
21	4					4						
20	2					2						
19	1					1						
18	1					1						
17			2			2						
16			40			40			1			15
15			38			38			49			56
14			51			51			77			78
13									59			61
12 AND LESS	6	3	310			319	9		1			1
TOTAL	32	3	441			476	35	3	451			459
ST. CLAIR, MICH.												
27	54					54	2					4
26	1					1						
25	4					4	1					1
24	2					2						
23	3					3	3					3
22	6					6						
21	4					4						
20	4					4						
19												
18												
17			8			8						
16			6			6			7			12
15			14	1	2	17	1		6	1		13
14			1			1			24			25
13			1			1						
12 AND LESS	4		71		110	115	4		79		119	202
TOTAL	82		100	2	113	297	82		116	3	119	320
MARINE CITY, MICH.												
26	4					4						
24	6					6						
23	2					2						
22	1					1						
21	3					3						
20	3					3						
18												
14												
7	14,159					14,159	14,159					14,159
TOTAL	14,178					14,178	14,178					14,178
CHANNELS IN LAKE ST. CLAIR												
28	60					60	191					194
27	92					92	634					636
26	114					114	807					891
25	38					38	211					211
24	146					146	169					178
23	328					328	367					370
22	239					239	320					350
21	321					321	186					186
20	485					485	490					115
19	499					499	75					84
18	528					528	42					43
17	403					403	18					35
16	170					170	9					38
15	39					39	13					55
14	57					57	16					29
13	26					26	3					4
12 AND LESS	86					86	28					1
TOTAL	3,951	43	191	13	142	3,900	3,283	42	167	15	137	3,644
DETROIT RIVER, MICH.												
29	5					5	16					16
28	55					55	175					178
27	93					93	639					637
26	146					146	903					907
25	46					46	211					211

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
DETROIT RIVER, MICH.--(CONTINUED)												
24	185					185	173					182
23	455	7				462	375	3				379
22	389	6				395	344	2		1		346
21	391					391	190					190
20	628	4				632	117	14		2		133
19	532	12				544	116	6		4		126
18	558	1				559	85					86
17	418					418	195			2	1	214
16	198	1				199	98			2	12	92
15	49	3				52	69	2		53		124
14	164					164	131					141
13	814					814	593					595
12 AND LESS	923	21	403	108	402	1,457	490	23	387	187	372	1,379
TOTAL	5,369	55	519	122	429	6,494	4,876	58	489	123	398	5,936
DETROIT HARBOR, MICH.												
28	6					6	2					2
27	46	1				47	2	1				3
26	31					31	9	1				10
25	32	1				33	2					2
24	44	3				47	5	4				9
23	71	3				74	11					11
22	59	1				60	8	1				9
21	37	1				38	15	1				16
20	63					63	83					83
19	32					32	45					45
18	49					49	71					71
17	27	1				28	50	1				51
16	13					13	39					39
15	9					9	24					24
14	4					4	15					15
13	586					586	595					595
12 AND LESS	16	3	369	441	43	872	28	3	390	446	48	915
TOTAL	1,121	14	492	444	45	2,116	1,014	12	923	446	48	2,045
ROUGE RIVER, MICH.												
27	15					15						
26	102					102	26					27
25	33					33	3					3
24	46	1				47	4	1				5
23	87					87	7	1				9
22	115	1				116	7	1				9
21	46					46	10					10
20	70	2				72	26	10				36
19	47					47	35	1				36
18	27					27	107					107
17	14					14	308					321
16	13					13	64					64
15	8	2				10	84					84
14	6					6	43					43
13	3					3	5	1				5
12 AND LESS	40	12	473	234	361	1,120	39	6	437	231	366	1,079
TOTAL	669	18	556	236	374	1,893	768	21	511	232	387	1,919
ECORSE, MICH.												
27	1					1						
26	1					1	6					6
25	1					1						
24	1					1						
23	2					2	2					2
22	7	1				8	3	2				5
21	9	1				10	4	1				5
20	6					6	11	1				12
19	2					2	4	1				5
18	3					3	4					4
17	1					1	2					2
16	3	1	3			7						3
15												
14	1					1						1
13	1					1						1
12 AND LESS	4	2	247		251	254	1	3	244		244	492
TOTAL	48	5	252	8	252	551	37	8	248	2	244	539
WYANDOTTE, MICH.												
25	1					1						
24	11					11	4					4
23	4					4	1					1
22	2					2						
21	8					8	5					5
20	7					7	2					2
19	1					1	8					8
18	2					2	9					9
17							6					6
16							1					1
15												
12 AND LESS												
TOTAL	36					36	36					36

WATERBORNE COMMERCE OF THE UNITED STATES, 1960

DETROIT, MICH., DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DRAFT (FEET)	DIRECTION					DIRECTION				
		SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS	
		PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER
TRENTON, MICH.					INBOUND					OUTBOUND	
29 -	13						13				
28 -	39						39				
27 -	9						9				
26 -	4						4				
25 -	2						2				
24 -	2						2				
23 -	1						1				
22 -	3						3				
21 -	24						24				
20 -	19						19				
19 -	2						2				
18 -	2						2				
17 -	1						1				
16 -											
15 -											
14 -											
12 AND LESS -											
TOTAL -		121		3	4	7	125		3	2	130
PORT OF DETROIT, MICH.					INBOUND					OUTBOUND	
29 -	13						13				
28 -	49						49				
27 -	67						67				
26 -	137		1				137			1	3
25 -	68						68				3
24 -	93		1				93				42
23 -	171		3				171				4
22 -	162		2				162				15
21 -	114		2		2		114				25
20 -	156		2				156				22
19 -	74				2		74				27
18 -	68						68				126
17 -	37					1	37				100
16 -	16		1	2	2	11	16				211
15 -	12		2		1		12				399
14 -	9						9				160
13 -	588			126		2	588				149
12 AND LESS -	60		16	678	675	432	60				198
TOTAL -		1,914	34	1,090	682	446	4,136	1,908	48	1,063	2,042
MONROE HARBOR, MICH.					INBOUND					OUTBOUND	
21 -	66						66				2
20 -	112						112				22
19 -	9						9				25
18 -	5						5				40
17 -											27
16 -											38
15 -											32
14 -											6
12 -											1
TOTAL -		192					192				193
ALGONAC, MICH.					INBOUND					OUTBOUND	
TOTAL, 7 AND LESS -		11,394					11,394				11,394
AU SABLE HARBOR AND RIVER (OSCODA), MICH.					NO VESSEL TRIPS REPORTED						
BIG BAY HARBOR, MICH.					NO VESSEL TRIPS REPORTED						
BLACK RIVER HARBOR, MICH.					NO VESSEL TRIPS REPORTED						
CASEVILLE, MICH.					NO VESSEL TRIPS REPORTED						
CEDAR RIVER HARBOR, MICH.					NO VESSEL TRIPS REPORTED						
CHARLEVOIX HARBOR, MICH.					INBOUND					OUTBOUND	
TOTAL, 19 AND LESS -	239		10		10	267	239		10	10	267
CHEBOYGAN HARBOR, MICH.					INBOUND					OUTBOUND	
TOTAL, 21 AND LESS -	770	23	6		5	804	770	22	6	3	893
DETROIT, MICH., AND VICINITY					INBOUND					OUTBOUND	
TOTAL, 17 AND LESS -	10,902					10,902	10,499				10,499
EAGLE HARBOR, MICH.					NO VESSEL TRIPS REPORTED						

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	
BLADSTONE HARBOR, MICH. TOTAL, 22 AND LESS - - - - -	29	14	14	INBOUND	12	69	29	14	6	OUTBOUND	11	60
GRAND MARAIS HARBOR (HARBOR OF REFUGE), MICH. TOTAL, 9 AND LESS - - - - -	110			INBOUND		110	110			OUTBOUND		110
GRAND TRAVERSE BAY HARBOR, MICH. TOTAL, 9 AND LESS - - - - -	42			INBOUND		42	42			OUTBOUND		42
HARBOR BEACH, MICH., HARBOR OF REFUGE, LAKE HURON TOTAL, 21 AND LESS - - - - -	16			INBOUND		16	16			OUTBOUND		16
HARRISVILLE HARBOR, MICH., HARBOR OF REFUGE, LAKE HURON TOTAL, 21 AND LESS - - - - -		6		INBOUND		6		6		OUTBOUND		6
KENESENA WATERWAY, MICH. TOTAL, 22 AND LESS - - - - -	463	5	10	EASTBOUND	9	488	460	4	7	WESTBOUND	9	481
LAC LA BELLE HARBOR, MICH. TOTAL, 9 AND LESS - - - - -	46			INBOUND		46	46			OUTBOUND		46
LELAND HARBOR, MICH. TOTAL, 9 AND LESS - - - - -	777			INBOUND		777	777			OUTBOUND		777
LIME ISLAND, MICH. TOTAL, 27 AND LESS - - - - -	109	3		INBOUND		112	106	2		OUTBOUND		108
MACKINAC HARBOR, MICH. TOTAL, 19 AND LESS - - - - -	5,937			INBOUND		5,937	5,937			OUTBOUND		5,937
MACKINAW CITY HARBOR, MICH. TOTAL, 20 AND LESS - - - - -	2,046		19	INBOUND	23	2,088	1,923		27	OUTBOUND	19	1,969
MANISTEE HARBOR, MICH. TOTAL, 22 AND LESS - - - - -	43			INBOUND		43	43			OUTBOUND		43
MANISTIQUE HARBOR, MICH. TOTAL, 9 AND LESS - - - - -	83			INBOUND		83	83			OUTBOUND		83
MARQUETTE HARBOR, MICH. TOTAL, 23 AND LESS - - - - -	194	5		INBOUND		199	195	5		OUTBOUND		200
NEW BUFFALO HARBOR, MICH.	NO VESSEL TRIPS REPORTED											
ONTONAGON HARBOR, MICH. TOTAL, 9 AND LESS - - - - -	8			INBOUND		8	8			OUTBOUND		8
PENTWATER HARBOR, MICH.	NO VESSEL TRIPS REPORTED											
PORT SANILAC HARBOR, MICH.	NO VESSEL TRIPS REPORTED											
PUT-IN-BAY HARBOR, OHIO TOTAL, 7 AND LESS - - - - -	4,291			INBOUND		4,291	4,292			OUTBOUND		4,292
ROGERS CITY, MICH. TOTAL, 9 AND LESS - - - - -	82			INBOUND		82	82			OUTBOUND		82
SAUGATUCK HARBOR AND KALAMAZOO RIVER, MICH.	NO VESSEL TRIPS REPORTED											
SAULT STE. MARIE, MICH. TOTAL, 25 AND LESS - - - - -	15,059	17	26	INBOUND	3	15,105	15,057	14	26	OUTBOUND	3	15,100
SEBEWAING, MICH. TOTAL, 9 AND LESS - - - - -	594			INBOUND		594	594			OUTBOUND		594
SOUTH HAVEN HARBOR, MICH.	NO VESSEL TRIPS REPORTED											

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

DETROIT, MICH., 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
ST. JAMES (BEAVER ISLAND), MICH. TOTAL, 8 AND LESS - - - - -	409		11	INBOUND	10	438	409		11	OUTBOUND	18	438
WHITE LAKE HARBOR, MICH.			NO VESSEL TRIP	REPORTED								
WHITEFISH POINT HARBOR, MICH.			NO VESSEL TRIP	REPORTED								
ALABASTER, MICH. TOTAL, 22 AND LESS - - - - -	40			INBOUND		40	41			OUTBOUND		41
CALCITE, MICH. TOTAL, 27 AND LESS - - - - -	432		2	INBOUND	1	436	435	2	2	OUTBOUND	9	449
ESCANABA, MICH. TOTAL, 30 AND LESS - - - - -	442	20	2	INBOUND		464	440	23	3	OUTBOUND	1	467
MARBLEHEAD, OHIO TOTAL, 23 AND LESS - - - - -	3,073		2	INBOUND		3,077	3,074		2	OUTBOUND	2	3,076
PETOSKEY PENN DIXIE HARBOR, MICH. TOTAL, 22 AND LESS - - - - -	25		0	INBOUND		41	25		0	OUTBOUND	0	41
PORT DOLOMITE, MICH. TOTAL, 28 AND LESS - - - - -	182			INBOUND		182	181			OUTBOUND		181
PORT GYPSUM, MICH. TOTAL, 22 AND LESS - - - - -	27			INBOUND		27	26			OUTBOUND		26
PORT INLAND, MICH. TOTAL, 26 AND LESS - - - - -	163		2	INBOUND		167	166		2	OUTBOUND	2	170
STONEPORT, MICH. TOTAL, 27 AND LESS - - - - -	377			INBOUND		377	369			OUTBOUND		369

BUFFALO, N. Y., DISTRICT

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TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY		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	
TOLEDO HARBOR, OHIO												
28	20			INBOUND		20			OUTBOUND			
27	79					79	1				1	
26	33					36	227	1			228	
25	19	3				20	23				23	
24	32	1				32	64				65	
23	51					53	181	4			186	
22	97	2				97	158	5		1	163	
21	81					81	207	2			209	
20	148	2				150	307	13			320	
19	145	1				146	136	10			148	
18	164	1				165	37	1			168	
17	260					260	32	1			263	
16	96					112	8	1	12		124	
15	118	1	19		2	141	19		21	13	163	
14	36		21			37	4		1		40	
13	4		1			4					5	
12 AND LESS	940	33	501	436	88	1,998	933	1	504	436	98	
TOTAL	2,319	44	538	436	90	3,427	2,368	39	538	436	113	
SANDUSKY HARBOR, OHIO												
28				INBOUND			126		OUTBOUND			
25	1					1	8				126	
24	2					2	21				8	
23	17					17	51				21	
22	40					40	33				51	
21	90					90	22				33	
20	25					25	29				22	
19	20					20	5				29	
18	10					10	8				5	
17	57					57	2				8	
16	38					38	5				5	
15	18					18	8				2	
14	7					7	6				8	
13	2					2					6	
12 AND LESS	4,579					4,579	4,610					
TOTAL	4,906					4,906	4,934				4,610	
HURON HARBOR, OHIO												
25	72			INBOUND		72	7		OUTBOUND			
24	2					2	14				7	
23							6				14	
22	6					6	4				6	
21	2					2	25				4	
20	1					1	17				25	
19	2					2	21				17	
18	6					6	6				21	
17	7					7	8				6	
16	2					2	9				8	
15	5					5	3				9	
14	13					13					3	
12 AND LESS	699					699	696					
TOTAL	917					917	916				696	
LORAIN HARBOR, OHIO												
28	22			INBOUND		22			OUTBOUND			
27	31					31	1				1	
26	123					123						
25	49					49						
24	18					18						
23	34					34						
22	20	2				20	45				45	
21	4					4	12				12	
20	52	1				52	2				3	
19	17					17	15		1		16	
18	5	1			1	5	194	1			156	
17	5					5	51				51	
16	16					16	34				34	
15	5					5	5				5	
14	5					5	52	1			54	
12 AND LESS	604		1			604	4		1	1	5	
TOTAL	1,761	4	6	1	1	1,761	1,769	2	6	1	678	
CLEVELAND HARBOR, OHIO												
28	3			INBOUND		3			OUTBOUND			
27	19					19	1				1	
26	131					131						
25	109					109	8				8	
24	29					29	12				13	
23	62					62	19			1	19	
22	176	1				177	35				35	
21	125	3			3	131	82				63	
20	77				1	79	44	1			45	
19	91				1	90	180	5		1	167	
18	51	7			3	61	74	3		2	79	
17	42					42	157	1			158	
	7	1			2	10	142				142	

WATERBORNE COMMERCE OF THE UNITED STATES, 1980

BUFFALO, N. Y., 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	
CLEVELAND HARBOR, OHIO--(CONTINUED)												
16 - - - - -	5	1		1		7	72	1	2	2		77
15 - - - - -	2		3	1		6	60	2	3			65
14 - - - - -			12	1		13	19		11			30
13 - - - - -							10					10
12 AND LESS - - - - -	260	6	29	6	31	326	263	17	28	7	28	363
TOTAL - - - - -	1,189	27	40	17	33	1,306	1,158	30	44	14	29	1,275
FAIRPORT HARBOR, OHIO												
28 - - - - -							1					1
26 - - - - -	21					21						
25 - - - - -	19					19						
24 - - - - -	2					2	3					3
23 - - - - -	19					19	20					20
22 - - - - -	11					11	14					14
21 - - - - -	2					2	3					3
20 - - - - -	9					9	5					5
19 - - - - -	1					1	11					11
18 - - - - -	5					5	26					26
17 - - - - -	13					13	9					9
16 - - - - -	3					3	4					4
15 - - - - -	7					7	20					20
14 - - - - -	5					5	1					1
12 AND LESS - - - - -	354					354	355					355
TOTAL - - - - -	471					471	472					472
ASHTABULA HARBOR, OHIO												
29 - - - - -							22					22
28 - - - - -	33					33	37					37
27 - - - - -	57					57	29					29
26 - - - - -	58					58	47					47
25 - - - - -	7			12		19	5					5
24 - - - - -	30			3		33	24					24
23 - - - - -	93			12		105	27			4		31
22 - - - - -	30			3		33	42					42
21 - - - - -	29					29	70			3		73
20 - - - - -	17			1		18	39			13		52
19 - - - - -	16					16	33					33
18 - - - - -	18					18	38					38
17 - - - - -	16					16	8					8
16 - - - - -	14					14	3			1		4
15 - - - - -	13					13	17			2		19
14 - - - - -	9		28			37			20	1		21
13 - - - - -	1					1	1					1
12 AND LESS - - - - -	211					211	213		6	6		225
TOTAL - - - - -	652		28	31		711	655		26	30		711
CONNEAUT HARBOR, OHIO												
27 - - - - -	179					183	83					84
26 - - - - -	73		3	4		74	97		3	1		100
25 - - - - -	11					11	4					4
24 - - - - -	20					20	41					41
23 - - - - -	141					141	86			3		89
22 - - - - -	39					39	29					29
21 - - - - -	28					28	47					47
20 - - - - -	19					19	94					94
19 - - - - -	16					16	53					53
18 - - - - -	26					26	42					42
17 - - - - -	12					12	7					7
16 - - - - -	20					20	14					14
15 - - - - -	9					9	1					1
14 - - - - -	12					12						
13 - - - - -	2					2						
12 AND LESS - - - - -	680					680	678					678
TOTAL - - - - -	1,287		3	4		1,294	1,296		3	4		1,303
ERIE HARBOR, PA.												
27 - - - - -	1					1						
26 - - - - -	3		2			5	3		1			4
25 - - - - -	3					3	3					3
24 - - - - -	2					2	2					2
23 - - - - -	3	1		2		6	1			1		2
22 - - - - -	6					6	5					5
21 - - - - -	12					12	3					3
20 - - - - -	9					9	3					3
19 - - - - -	4					4	6					6
18 - - - - -	2					2	4					4
17 - - - - -	4					4	2					2
16 - - - - -	3				1	4	2					2
15 - - - - -	3					3	20					20
14 - - - - -	83					83	83					83
12 AND LESS - - - - -	1,480		2	1		1,483	1,479	1	2		2	1,484
TOTAL - - - - -	1,418	1	4	3	1	1,627	1,616	1	3	1	2	1,623

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WATERBORNE COMMERCE OF THE UNITED STATES CALENDAR YEAR
1980 PART 3 WATERW..(U) CORPS OF ENGINEERS FORT BELVOIR
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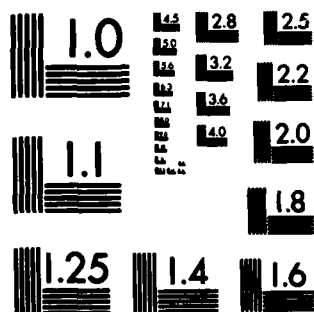
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WATERBORNE COMMERCE OF THE UNITED STATES, 1980

BUFFALO, N. Y., 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)												
CLEVELAND HARBOR, OHIO--(CONTINUED)												
16 - - - - -	5	1		INBOUND		7	72	1	2	OUTBOUND		77
15 - - - - -	2		3	1		4	66	2	3	2		65
14 - - - - -			12	1		13	19		11			30
13 - - - - -						16						16
12 AND LESS- - - - -	260	6	29	6	31	320	283	17	28	7	28	363
TOTAL- - - - -	1,100	27	40	17	33	1,306	1,198	30	44	14	29	1,275
FAIRPORT HARBOR, OHIO												
28 - - - - -				INBOUND			1			OUTBOUND		1
26 - - - - -	21					21						
25 - - - - -	19					19						
24 - - - - -	2					2	3					3
23 - - - - -	19					19	20					20
22 - - - - -	11					11	14					14
21 - - - - -	2					2	3					3
20 - - - - -	9					9	5					5
19 - - - - -	1					1	11					11
18 - - - - -	5					5	26					26
17 - - - - -	13					13	9					9
16 - - - - -	3					3	4					4
15 - - - - -	7					7	20					20
14 - - - - -	5					5	1					1
12 AND LESS- - - - -	354					354	359					359
TOTAL- - - - -	471					471	472					472
ASHTABULA HARBOR, OHIO												
29 - - - - -				INBOUND			22			OUTBOUND		22
28 - - - - -	33					33	37					37
27 - - - - -	57					57	29					29
26 - - - - -	98					98	47					47
25 - - - - -	7			12		19	5					5
24 - - - - -	30			3		33	24					24
23 - - - - -	93			12		105	27			4		31
22 - - - - -	30			3		33	42					42
21 - - - - -	29					29	70			3		73
20 - - - - -	17			1		18	39			13		52
19 - - - - -	16					16	33					33
18 - - - - -	16					16	8					8
17 - - - - -	16					16	3			1		4
16 - - - - -	14					14	17			2		19
15 - - - - -	13					13	1			1		21
14 - - - - -	9			20		29			20			1
13 - - - - -	1					1	1					1
12 AND LESS- - - - -	211					211	213			6	6	225
TOTAL- - - - -	652		20	31		711	699		26	30		711
CONNEAUT HARBOR, OHIO												
27 - - - - -	179			INBOUND		183	83			OUTBOUND		84
26 - - - - -	73		3	4		76	97		3	1		100
25 - - - - -	11					11	4					4
24 - - - - -	20					20	41					41
23 - - - - -	141					141	86			3		89
22 - - - - -	39					39	29					29
21 - - - - -	28					28	47					47
20 - - - - -	19					19	94					94
19 - - - - -	16					16	53					53
18 - - - - -	26					26	42					62
17 - - - - -	12					12	7					7
16 - - - - -	20					20	14					14
15 - - - - -	9					9	1					1
14 - - - - -	12					12						
13 - - - - -	2					2						
12 AND LESS- - - - -	600					600	678					678
TOTAL- - - - -	1,267		3	4		1,294	1,296		3	4		1,303
ERIE HARBOR, PA.												
27 - - - - -	1			INBOUND		1				OUTBOUND		
26 - - - - -	3		2			3	3		1			4
25 - - - - -	3					3	3					3
24 - - - - -	2					2	2					2
23 - - - - -	3					3	1			1		2
22 - - - - -	6	1		2		6	5					5
21 - - - - -	12					12	3					3
20 - - - - -	9					9	3					3
19 - - - - -	4					4	6					6
18 - - - - -	2					2	4					4
17 - - - - -	4					4	8					8
16 - - - - -	3				1	3	2					2
15 - - - - -	3					3	20					20
14 - - - - -	83					83	83					83
12 AND LESS- - - - -	1,400		2	1		1,403	1,479	1	2		2	1,484
TOTAL- - - - -	1,610	1	4	3	1	1,627	1,616	1	3	1	2	1,623

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DRAFT (FEET)	DIRECTION					TOTAL	DIRECTION					TOTAL
		SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	
BUFFALO HARBOR, N. Y.					INBOUND						OUTBOUND		
28	7				1								
27	18												
26	29												
25	14												
24	3												
23	91		1										
22	91		2										
21	34				1								
20	31		1		1								
19	9				1								
18	74												
17	6					5							
16													
15				3									
14		1		1		1							
13	2					2							
12 AND LESS	162		92	43		33							
TOTAL	538		97	47	4	39	717	538	97	48	3	38	718
NIAGARA RIVER, N. Y.					NORTHBOUND						SOUTHBOUND		
21	4		3										
20	8		9										
19			5										
18	1												
17					1								
16													
15			5		1								
14				2									
12 AND LESS	1		92	14		18	125	1	92	18		1	112
TOTAL	14		114	16		20	164	14	117	21	1	18	163
PORT OF BUFFALO, N. Y.					INBOUND						OUTBOUND		
28	7				1								
27	18												
26	29												
25	14												
24	3												
23	52		3										
22	92		3										
21	38				1								
20	39		10		1								
19	10		5		1								
18	77				1								
17	9					6							
16	1												
15			9										
14		1		3		1							
13	2		1			1							
12 AND LESS	163		169	57		45	377	163	169	49		39	355
TOTAL	595		136	63	4	56	614	533	133	69	4	51	790
OSWEGO HARBOR, N. Y.					INBOUND						OUTBOUND		
26	1												
25	1												
24	3					19	22						
23													
22	2		1		1	34	39						
21	7		5			1	13						
20	9		9				14						
19	2						2						
18							11						
17						1	3						
16						1	2						
15	1						3						
14							3						
13	2		26		1		26						
12 AND LESS	132		6		35		173	120		5		85	215
TOTAL	160		13	46	5	91	315	149	13	44	2	88	294
BANGLONA HARBOR, N. Y.					INBOUND						OUTBOUND		
TOTAL, 9 AND LESS	474						474	476					476
CAPE VINCENT, N. Y.					INBOUND						OUTBOUND		
TOTAL, 6 AND LESS	2,765						2,765	2,764					2,764
DUNKIRK HARBOR, N. Y.					INBOUND						OUTBOUND		
TOTAL, 9 AND LESS	388						388	388					388
GREAT SODAS BAY HARBOR, N. Y.					NO VESSEL TRIPS REPORTED								

BUFFALO, N. Y., DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
KELLEYS ISLAND, OHIO TOTAL, 7 AND LESS - - - - -	3,244			INBOUND		3,244	3,244			OUTBOUND		3,244
NIAGARA FALLS, N. Y.				NO VESSEL TRIPS REPORTED								
OSDENSEBURG HARBOR, N. Y. TOTAL, 22 AND LESS - - - - -	11	4	28	INBOUND 24		67	19	3	38	OUTBOUND 26		77
PORT CLINTON HARBOR, OHIO TOTAL, 16 AND LESS - - - - -	1,891			INBOUND		1,891	1,893			OUTBOUND		1,903
ROCHESTER (CHARLOTTE) HARBOR, N. Y. TOTAL, 19 AND LESS - - - - -	142			INBOUND		142	190			OUTBOUND		190
SACKETS HARBOR, N. Y.				NO VESSEL TRIPS REPORTED								
TONAWANDA HARBOR, N. Y.				NO VESSEL TRIPS REPORTED								
VERMILION HARBOR, OHIO TOTAL, 9 AND LESS - - - - -	844			INBOUND		144	842			OUTBOUND		842
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