

AD-A148 823 WATERBORNE COMMERCE OF THE UNITED STATES CALENDAR YEAR
1982 PART 3 WATERW. (U) CORPS OF ENGINEERS FORT BELVOIR
VA WATER RESOURCES SUPPORT CE. JUL 84 WRSC-WCUS-82-3

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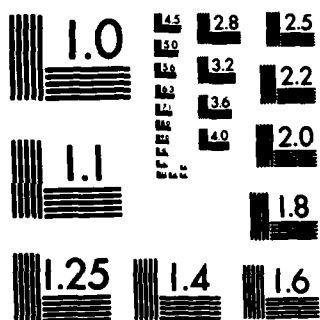
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WATERBORNE COMMERCE
OF THE UNITED STATES

Calendar Year 1982

PART 3
WATERWAYS AND HARBORS
GREAT LAKES



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**WATERBORNE COMMERCE
OF THE UNITED STATES
CALENDAR YEAR 1982**

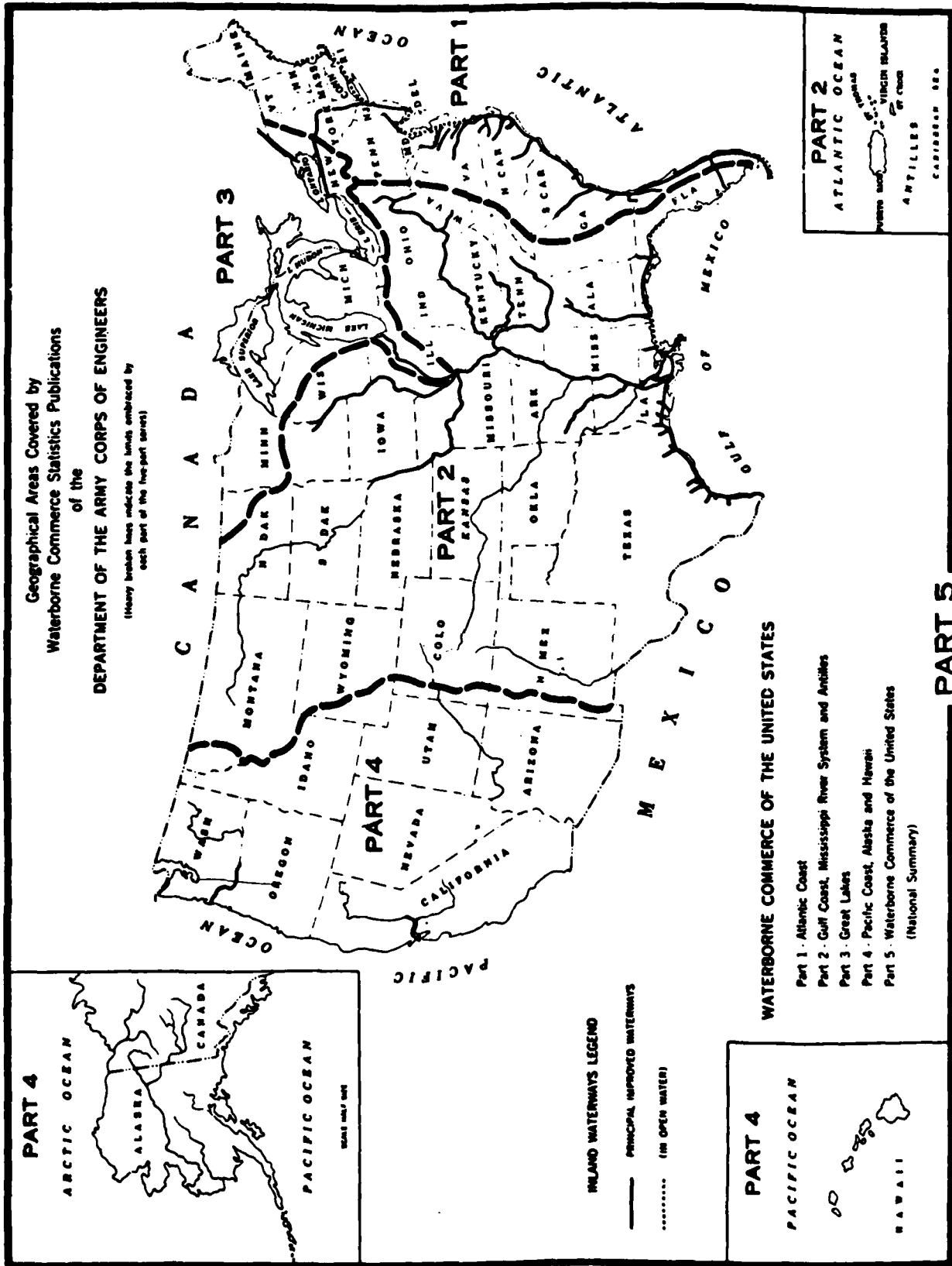
**PART 3
WATERWAYS AND HARBORS
GREAT LAKES**

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

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INTRODUCTION

This publication is one of a series containing statistics on the waterborne commerce of the United States during the calendar year 1982. Four of these publications present detailed data on the movements of commodities and vessels at the ports and harbors and on the waterways and canals of the United States, the Commonwealth of Puerto Rico, and the Virgin Islands, and the fifth contains summary data of the country as a whole. The numbers of the publications and the areas covered are:

Area

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

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

Section 11. That owners, agents, masters, and clerks of vessels and other craft plying upon the navigable waters of the United States, and all individuals and corporations engaged in transporting their own goods upon the navigable waters of the United States, shall furnish such statements relative to vessels, passengers, freight and tonnage as may be required by the Secretary of War: Provided, that this provision shall not apply to those rafting logs, except upon a direct request upon the owner to furnish specific information.

That every person or persons offending against the provisions of this section shall, for each and every offense, be liable to a fine of \$100 or imprisonment not exceeding two months, to be enforced in any direct court in the United States within whose territorial jurisdiction such offense may have been committed.

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

Waterborne traffic movements were reported to the Corps of Engineers by all vessel operators of record on prescribed forms approved by the Office of Management and Budget under the Federal Reports Act of 1942 for those movements of their vessels which were classified as domestic traffic; namely, between United States ports, continental and noncontiguous, and on the inland rivers, canals, and connecting channels of the United States, Puerto Rico, and the Virgin Islands, excluding the Panama Canal. The reports were generally submitted on the basis of a vessel movement completed in one direction and, for movements with cargo, the origin and destination of the water transportation of each individual commodity. In compiling the data, the entire movement was included in the year in which the movement was completed even though the shipment may have originated in the preceding year, except that, beginning with calendar year 1961 statistics, a cutoff date of 28 February was established for the processing of reports from vessel operators covering the prior year's completed movements. Hence, reports of movements completed in 1982 but not reported to the Corps of Engineers until after 28 February 1983 will be included in the next year's, 1983, statistics rather than in this publication, while reports of movements completed in 1981 but reported to the Corps after 28 February 1982 are included in this publication.

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

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

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

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

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

The 1982 statistics on waterborne exports of domestic and foreign merchandise and non-Department of Defense shipments of Special Category commodities reflect fully compiled data for shipments to Canada individually valued at \$2,000 and over combined with estimated data for shipments valued \$251-\$1,999, based on a 10-percent sample of such shipments. For countries other than Canada, the export statistics reflect fully compiled data for shipments valued \$1,000 and over combined with estimated data for shipments valued \$251-\$999, based on a 50-percent sample of such shipments. Data on export shipments valued under \$251 are excluded from this report.

Import statistics for 1982 exclude data on shipments valued \$250 and under reported on both formal and informal entries. Informal entries generally contain items valued not more than \$250.

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

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

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

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

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

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

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

Passenger arrivals and departures on the various waterways and channels and at ports include passengers engaged in foreign travel. While the Immigration and Naturalization Service, Department of Justice, no longer provides foreign passenger data to the Waterborne Commerce Statistics Center, foreign passengers traveling between Canada and the United States in the Great Lakes and Alaska areas are reported to the Corps of Engineers from other sources available to the Corps. In addition, the New England Division has been able to obtain foreign passenger data for calendar year 1982 in Bar Harbor, Lubec, Eastport and Portland Harbor.

Foreign data on various connecting channels having no terminal facilities, such as Cape 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 1982 of harbors and waterways in the area covered by this part of the statistics series.

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

TERMS FOR KIND OF TRAFFIC

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

Pertaining to Ports

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

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

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

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

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

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

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

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

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

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

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

General Terms

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

INTRODUCTION

IX

COMMODITY CLASSIFICATION FOR DOMESTIC WATERBORNE COMMERCE

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

Code No.	Item Name	Code No.	Item Name
Group 01-Farm Products		Group 19-Ordnance and Accessories	
0101	Cotton, raw	1911	Ordnance and accessories
0102	Barley and rye	Group 20-Food and Kindred Products	
0103	Corn	2011	Meat, fresh, chilled, or frozen
0104	Oats	2012	Meat and meat products prepared or preserved, including canned meat products
0105	Rice	2014	Tallow, animal fats and oils
0106	Sorghum Grains	2015	Animal by-products, not elsewhere classified
0107	Wheat	2021	Dairy products, except dried milk and cream
0111	Soybeans	2022	Dried milk and cream
0112	Flaxseed	2031	Fish and fish products, including shellfish, prepared or preserved
0119	Oilseeds, not elsewhere classified	Group 21-Tobacco Products	
0121	Tobacco, leaf	2111	Tobacco manufactures
0122	Hay and Fodder	Group 22-Basic Textiles	
0129	Field crops, not elsewhere classified	2211	Basic textile products, except textile fibers
0131	Fresh fruits	2212	Textile fibers not elsewhere classified
0132	Bananas and plantains	Group 23-Apparel and Other Finished Textile Products Including Knit	
0133	Coffee, green and roasted (including instant)	2311	Apparel and other finished textile products, including knit
0134	Cocoa beans	Group 24-Lumber and Wood Products Except Furniture	
0141	Fresh and frozen vegetables	2411	Logs
0151	Live animals (livestock) except zoo animals, cats, dogs, etc.	2412	Rafted logs
0161	Animals and animal products, not elsewhere classified	2413	Fuel wood, charcoal, and wastes
0191	Miscellaneous farm products	2414	Timber, posts, poles, piling, and other wood in the rough
Group 08-Forest Products		2415	Pulpwood, log
0841	Crude rubber and allied gums	2416	Wood chips, staves, moldings, and excelsior
0861	Forest products, not elsewhere classified	2421	Lumber
Group 09-Fresh fish and Other Marine Products		2431	Veneer, plywood, and other worked wood
0911	Fresh fish, except shellfish	2491	Wood manufactures, not elsewhere classified
0912	Shellfish, except prepared or preserved	Group 25-Furniture and Fixtures	
0913	Menhaden	2511	Furniture and fixtures
0931	Marine shells, unmanufactured	Group 26-Pulp, Paper and Allied Products	
Group 10-Metallic Ores		2611	Pulp
1011	Iron ore and concentrates	2621	Standard newsprint paper
1021	Copper ore and concentrates		
1051	Bauxite and other aluminum ores and concentrates		
1061	Manganese ores and concentrates		
1091	Nonferrous metal ores and concentrates, not elsewhere classified		
Group 11-Coal			
1121	Coal and lignite		
Group 13-Crude Petroleum			
1311	Crude petroleum		
Group 14-Nonmetallic Minerals, Except Fuels			
1411	Limestone flux and calcareous stone		
1412	Building stone, unworked		
1442	Sand, gravel and crushed rock		
1451	Clay, ceramic and refractory materials		
1471	Phosphate rock		
1479	Natural fertilizer materials, not elsewhere classified		
1491	Salt		
1492	Sulphur, dry		
1493	Sulphur, liquid		
1494	Gypsum, crude and plasters		
1499	Nonmetallic minerals, except fuels, not elsewhere classified		

Code No.	Item Name	Code No.	Item Name
Group 26-Pulp, Paper and Allied Products (continued)		Group 32-Stone, Clay, Glass and Concrete Products	
2631	Paper and paperboard	3211	Glass and glass products
2691	Pulp, paper and paperboard products, not elsewhere classified	3241	Building cement
Group 27-Printed Matter		3251	Structural clay products, including refractories
2711	Printed matter	3271	Lime
Group 28-Chemicals and Allied Products		3281	Cut stone and stone products
2810	Sodium hydroxide (caustic soda)	3291	Miscellaneous nonmetallic mineral products
2811	Crude products from coal tar, petroleum, and natural gas, except benzene and toluene	Group 33-Primary Metal Products	
2812	Dyes, organic pigment, dyeing and tanning materials	3311	Pig iron
2813	Alcohols	3312	Slag
2816	Radioactive and associated materials, including waste	3313	Coke (coal and petroleum), petroleum pitches and asphalts, and naphtha and solvents
2817	Benzene and toluene, crude and commercially pure	3314	Iron and steel ingots, and other primary forms, including blanks for tube and pipe, and sponge
2818	Sulphuric acid	3315	Iron and steel bars, rods, angles, shapes and sections, including sheet piling
2819	Basic chemicals and basic chemical products, not elsewhere classified	3316	Iron and steel plates and sheets
2821	Plastic materials, regenerated cellulose and synthetic resins, including film, sheeting and laminates	3317	Iron and steel pipe and tube
2822	Synthetic rubber	3318	Ferroalloys
2823	Synthetic (man-made) fiber	3319	Primary iron and steel products, not elsewhere classified including castings in the rough
2831	Drugs (biological products, medicinal chemicals, botanical products and pharmaceutical preparations)	3321	Nonferrous metals primary smelter products, basic shapes, wire castings and forgings, except copper, lead, zinc and aluminum
2841	Soap, detergents, and cleaning preparations; perfumes, cosmetics, and other toilet preparations	3322	Copper and copper alloys, whether or not refined, unworked
2851	Paints, varnishes, lacquers, enamels, and allied products	3323	Lead and zinc including alloys, unworked
2861	Gum and wood chemicals	3324	Aluminum and aluminum alloys, unworked
2871	Nitrogenous chemical fertilizers, except mixtures	Group 34-Fabricated Metal Products, Except Ordnance, Machinery and Transportation Equipment	
2872	Potassic chemical fertilizers, except mixtures	3411	Fabricated metal products, except ordnance, machinery, and transportation equipment.
2873	Phosphatic chemical fertilizers, except mixtures	Group 35-Machinery, Except Electrical	
2876	Insecticides, fungicides, pesticides, and disinfectants	3511	Machinery, except electrical
2879	Fertilizers and fertilizer materials, not elsewhere classified	Group 36-Electrical Machinery, Equipment and Supplies	
2391	Miscellaneous chemical products	3611	Electrical machinery equipment and supplies
Group 29-Petroleum and Coal Products		Group 37-Transportation Equipment	
2911	Gasoline, including additives	3711	Motor vehicles, parts and equipment
2912	Jet fuel	3721	Aircraft and parts
2913	Kerosene	3731	Ships and boats
2914	Distillate fuel oil	3791	Miscellaneous transportation equipment
2915	Residual fuel oil	Group 38-Instruments, Photographic and Optical Goods, Watches and Clocks	
2916	Lubricating oils and greases	3811	Instruments, photographic and optical goods, watches and clocks
2917	Naphtha, mineral spirits, solvents, not elsewhere classified	Group 39-Miscellaneous Products of Manufacturing	
2918	Asphalt, tar, and pitches	3911	Miscellaneous products of manufacturing
2920	Coke, including petroleum coke	Group 40-Waste and Scrap Materials	
2921	Liquefied petroleum gases, coal gases, natural gas, and natural gas liquids	4011	Iron and steel scrap
2951	Asphalt building materials	4012	Nonferrous metal scrap
2991	Petroleum and coal products, not elsewhere classified	4022	Textile waste, scrap, and sweepings
Group 30-Rubber and Miscellaneous Plastics Products		4024	Paper waste and scrap
3011	Rubber and miscellaneous plastic products	4029	Waste and scrap, not elsewhere classified
Group 31-Leather and Leather Products			
3111	Leather and leather products		

INTRODUCTION

XI

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

* Cargoes exported on Department of Defense controlled vessels (other than goods for the use of U.S. Armed Forces abroad) and non-Department of Defense shipments of military component items (abbreviated 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 1982
(000 OMITTED)

AREA	AREA TOTALS	FOREIGN				DOMESTIC							
		OVERSEAS		CANADIAN		COASTWISE		LAKE-IDE		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	THROUGH
LAKE SUPERIOR	15,235,835	1,368,249	-----	2,030,959	-----	-----	-----	11,826,572	-----	6	-----	49	-----
ST. MARYS RIVER	2,669,318	2	228,627	2,901	319,249	-----	-----	11,442	2,951,077	-----	-----	-----	-----
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 RIVERS)	11,683,408	822,815	-----	2,092,793	-----	47	31	8,535,329	805	278,151	98,710	58,727	-----
LAKE HURON	12,356,726	5,789	1,438,811	381,170	2,587,239	-----	-----	1,686,712	6,854,914	14	-----	2,077	-----
ST. CLAIR RIVER, INCLUDING CHANNELS IN LAKE ST. CLAIR	2,752,508	19	355,899	11,204	681,623	-----	-----	69,071	1,633,788	-----	-----	-----	-----
DETROIT RIVER	1,513,060	20,676	193,576	12,136	430,506	-----	-----	169,373	687,541	-----	-----	250	-----
LAKE ERIE, INCLUDING UPPER NIAGARA RIVER	10,187,884	391,519	1,590,705	3,671,880	1,652,883	-----	-----	2,855,652	19,601	616	-----	5,886	-----
WELLAND CANAL	813,083	-----	246,748	-----	563,336	-----	-----	-----	2,811	-----	132	-----	-----
LAKE ONTARIO, INCLUDING LOWER NIAGARA RIVER	3,719,294	356	1,462,187	304,526	1,935,816	-----	-----	14,681	-----	-----	1,726	2	-----
ST. LAWRENCE RIVER, BETWEEN INTERNATIONAL BOUNDARY LINE AND LAKE ONTARIO	2,363,325	333	1,024,383	3,179	1,334,202	-----	-----	-----	-----	1,268	-----	-----	-----
TOTAL	63,232,461	2,609,758	6,532,866	8,516,752	9,504,094	47	31	24,772,732	10,850,537	280,955	96,568	67,001	-----

TABLE 2 - FREIGHT TONS OF UNITED STATES TRAFFIC CARRIED ON THE GREAT LAKES BY AREA, CALENDAR YEAR 1982
(SHORT TONS)

AREA	AREA TOTALS	FOREIGN			DOMESTIC					
		OVERSEAS		CANADIAN		COASTWISE		LAKELAND		INTERNAL
		RECEIPTS AND SHIPMENTS	THROUGH	RECEIPTS AND SHIPMENTS	THROUGH	RECEIPTS AND SHIPMENTS	THROUGH	RECEIPTS AND SHIPMENTS	THROUGH	
LAKE SUPERIOR	86,023,132	3,565,510	-----	7,186,003	-----	-----	-----	36,156,847	-----	23
ST. MARYS RIVER	43,442,043	33	3,565,510	143,432	6,422,908	-----	-----	753,805	32,556,775	-----
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)	71,968,674	2,643,467	-----	6,591,874	-----	2,618	-----	44,404,471	-----	15,000,631
LAKE HURON	71,711,732	30,435	6,209,410	3,705,490	11,553,114	-----	-----	12,353,704	37,687,775	114
ST. CLAIR RIVER, INCLUDING CHANNELS IN LAKE ST. CLAIR	56,609,016	334	6,203,405	261,191	15,799,754	-----	-----	3,720,947	28,662,939	-----
DETROIT RIVER	56,566,170	953,574	6,244,143	936,915	14,967,183	-----	-----	11,252,542	22,174,745	-----
LAKE ERIE, INCLUDING UPPER NIAGARA RIVER	86,192,704	1,940,904	7,107,741	31,469,430	7,475,440	-----	-----	37,223,532	48,600	4,898
WELLAND CANAL	30,320,936	-----	9,138,660	209,631	20,863,618	-----	-----	-----	104,124	-----
LAKE ONTARIO, INCLUDING LOWER NIAGARA RIVER	30,047,593	7,244	9,138,660	9,617,452	12,098,453	-----	-----	-----	-----	26,077
ST. LAWRENCE RIVER, BETWEEN INTERNATIONAL BOUNDARY LINE AND LAKE ONTARIO	21,031,135	5,584	9,105,917	346,023	11,912,522	-----	-----	-----	-----	-----
NET UNITED STATES TRAFFIC ON THE GREAT LAKES	127,348,710	9,151,484	-----	41,243,164	-----	9	-----	72,084,946	-----	91,911,240
										2,007,706

EXCLUDES TRAFFIC WHICH DID NOT TRAVERSE THE GREAT LAKES.

XIV

Waterborne Commerce of the United States, 1982

TABLE 3 - 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
1973-----	231,901,903	1978-----	221,374,884
1974-----	206,844,851	1979-----	224,088,471
1975-----	193,847,805	1980-----	183,514,005
1976-----	205,832,809	1981-----	145,111,016
1977-----	185,906,344	1982-----	127,344,710

FREIGHT TRAFFIC, 1982

(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-----	127,344,710	11,541,473	2,568,743	29,701,691	6,582,741		72,084,984	1,911,240	2,997,796
0102 BARLEY AND RYE-----	518,976	36,738		36,837	357,164		108,237		
0103 CORN-----	3,353,736			2,507,797	845,939				
0104 OATS-----	5,015	1,834			2,937		240		
0105 RICE-----	239		43	194					
0106 SORGHUM GRAINS-----	5,732				5,732				
0107 WHEAT-----	4,574,643	31,046		1,393,191	1,777,491		1,372,935		
0111 SOYBEANS-----	1,359,169			802,582	555,147				1,440
0119 HILSEEDS, NEC-----	1,247,690			115	1,267,575				
0121 TOBACCO, LEAF-----	10,816	7,522	3,294						
0129 FIELD CROPS, NEC-----	1,242	59	158				1,665		
0131 FRESH FRUITS-----	609		1	80	1		527		
0133 COFFEE-----	130		44	86					
0134 COCOA BEANS-----	603		603						
0141 FRESH AND FROZEN VEGETABLES-----	48,142		20	19,274	27,743		1,105		
0161 ANIMALS AND PRODUCTS, NEC-----	8,096	37	81	65	7,913				
0191 MISCELLANEOUS FARM PRODUCTS-----	19				19				
0441 CRUDE RUBBER AND ALLIED GUMS-----	563	47	516						
0861 FOREST PRODUCTS, NEC-----	209		209						
0911 FRESH FISH, EXCEPT SHELLFISH-----	26,441	4			10		116	137	20,210
0912 SHELLFISH, EXCEPT PREPARED-----	39				39				
1011 IRON ORE AND CONCENTRATES-----	43,419,216	5,582,343	140,789	3,540,379			34,113,492	42,213	
1051 ALUMINUM ORES, CONCENTRATES-----	48,864	1	10,747	256	4			37,856	
1061 MANGANESE ORES, CONCENTRATES-----	11,299	4,242						7,057	
1091 NONFERROUS ORES, CONCENTRATES, NEC-----	51,770	14	38,437	98	5,512		886	6,623	
1121 COAL AND LIGNITE-----	35,358,543			18,047,336	69,486		17,220,813	21,748	
1311 CRUDE PETROLEUM-----	241,641	229,781					11,900		
1411 LIMESTONE-----	13,613,507	20,961		1,750,591	1,002		11,840,953		
1412 BUILDING STONE, UNWORKED-----	145						145		
1442 SAND, GRAVEL, CRUSHED ROCK-----	3,034,265	362,224	104	13,281			374,303		2,244,353
1451 CLAY-----	160,226	74	10,976	53,885	78,341		15,480	1,470	
1471 PHOSPHATE ROCK-----	185						185		
1491 SALT-----	2,445,857	1,723,027		762,723	107				
1494 GYPSUM, CRUDE AND PLASTER-----	347,830						307,830		
1499 NONMETALLIC MINERALS, NEC-----	642,842		35,969	423	52		610,145	14,515	1,738
1911 ORDNANCE AND ACCESSORIES-----	10		4		2				
2011 MEAT, FRESH, CHILLED, FROZEN-----	22,970	17	3		21,745		1,205		
2012 MEAT AND PRODUCTS, NEC-----	466	19	43		24		340		
2014 TALLOW, ANIMAL FATS AND OILS-----	72,141				72,141				
2015 ANIMAL BY-PRODUCTS, NEC-----	9,981		139	744	8,443		251		
2021 DAIRY PRODUCTS, NEC-----	7,904	30	152		210		7,512		
2022 DRIED MILK AND CREAM-----	48,952				57,143		1,409		
2031 FISH AND SHELLFISH, PREPARED-----	259	6	18				235		
2034 VEGETABLES AND PREP, NEC-----	22,062	91	1,430	65	245		20,231		
2039 PREP FRUIT AND VEG JUICE, NEC-----	6,704	60	806	172	1,211		4,415		
2041 WHEAT FLOUR AND SEMOLINA-----	49,796			79	56,667		3,050		
2042 ANIMAL FEEDS-----	40,334	15	1,050	64	39,116		89		
2049 GRAIN MILL PRODUCTS, NEC-----	227,471	215	100	215	225,046		1,495		
2061 SUGAR-----	854						854		
2081 ALCOHOLIC BEVERAGES-----	28,734	3,573	25,015	53	53		40		
2091 VEGETABLE OILS, MARG, SHORT-----	14,750	2,221	1,266	332	10,991				
2094 GROCERIES-----	209						209		
2095 ICE-----	67						67		
2099 MISCELLANEOUS FOOD PRODUCTS-----	27,362	221	988	95	4,192		21,464		
2111 TOBACCO MANUFACTURES-----	19		19						
2211 BASIC TEXTILE PRODUCTS-----	18,738	225	18,098	213	202				
2212 TEXTILE FIBERS, NEC-----	6,324	113	6,211						
2311 APPAREL-----	1,316	24	44		1,244				
2411 LOGS-----	35,043				1,933		9,487		23,624
2414 TIMBER, POSTS, POLES, PILING-----	3,103			1,889			1,214		
2415 PULPWOOD, LOG-----	12,199						12,199		
2416 WOOD CHIPS, STAVES, HOLDINGS-----	3,446		595				2,453		
2421 LUMBER-----	13,041		80	583	2,415		8,614	1,348	
2431 VENEER, PLYWOOD, WORKED WOOD-----	47,060	962	8	83	110		45,897		
2491 WOOD MANUFACTURES, NEC-----	15,991	7	46	6,821	2,055		7,062		
2511 FURNITURE AND FIXTURES-----	3,590	254	2,760	154	373		51		
2611 PULP-----	117,816	82,660	27,035	901	148		3,104	3,930	
2621 STANDARD NEWSPRINT PAPER-----	13,704						13,704		
2631 PAPER AND PAPERBOARD-----	245,945	130,298	9,246	1,819	1,370		135,234	7,996	
2691 PULP AND PAPER PRODUCTS, NEC-----	5,570	76	47	233	449		4,764		
2711 PRINTED MATTER-----	1,043	79	161	211	632				
2810 SODIUM HYDROXIDE-----	17,596						17,596		
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	112,958	111,265							1,693
2812 DYES, PIGMENT, TANNING MATS-----	34			1	37				
2813 ALCOHOLS-----	8,244				6				8,238
2814 RADIOACTIVE MATERIALS, WASTES-----	2			2					
2817 BENZENE AND TOLUENE-----	14,016						1,464	1,294	11,048
2819 BASIC CHEMICALS AND PROD, NEC-----	542,143	255,638	6,679	15,224	21,228		244,804		4,866
2821 PLASTIC MATERIALS-----	10,846	834	1,180	4,103	1,872		2,493		
2822 SYNTHETIC RUBBER-----	3,602			2,571	11		1,020		
2831 DRUGS-----	690	24	130	102	450				

Waterborne Commerce of the United States, 1982

XV

TABLE 3 - NET SUMMARY OF FOREIGN AND DOMESTIC FREIGHT CARRIED ON THE GREAT LAKES, BY TYPE OF TRAFFIC AND COMMODITY (CONTINUED)

FREIGHT TRAFFIC, 1982 (CONTINUED)

(NET TRAFFIC IN TONS OF 2,000 POUNDS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			
		IMPORTS		EXPORTS		COASTWISE	LAKEWIRE	INTERNAL	LOCAL
		CANADIAN	OVERSEAS	CANADIAN	OVERSEAS				
2841 SOAP-----	9,522	65	272	64	9,121	-----	-----	-----	-----
2851 PAINTS-----	7,282	4,247	2,814	30	99	-----	81	-----	-----
2861 GUM AND WOOD CHEMICALS-----	293	-----	21	272	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	319,416	-----	115,105	-----	73	-----	59,434	144,799	-----
2872 POTASSIC CHEM FERTILIZERS-----	47,680	-----	-----	187	-----	-----	14,793	42,700	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	1,348,249	1,371,304	22	244	-----	-----	984	15,724	-----
2876 INSECTICIDES, DISINFECTANTS-----	517	127	-----	118	180	-----	92	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	4,776	160	-----	-----	-----	-----	92	4,524	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	45,395	2,929	1,397	2,356	1,479	-----	77,234	-----	-----
2911 GASOLINE-----	793,474	88,531	-----	198	321	-----	647,034	57,385	-----
2912 JET FUEL-----	248,399	-----	-----	-----	-----	-----	239,104	19,291	-----
2913 KEROSENE-----	9,755	-----	-----	-----	-----	-----	2,103	-----	7,652
2914 DISTILLATE FUEL OIL-----	945,542	71,452	-----	-----	-----	-----	614,034	16,178	219,473
2915 RESIDUAL FUEL OIL-----	1,709,027	462,852	-----	-----	-----	-----	762,010	165,990	318,175
2916 LUBRICATING OILS AND GREASES-----	166,874	53,489	10	30,609	148	-----	112	82,506	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	19,329	-----	-----	-----	-----	-----	-----	4,778	14,551
2918 ASPHALT, TAR, AND PITCHES-----	248,021	-----	-----	16,152	5	-----	221,028	10,834	-----
2920 COKE, PETROLEUM COKE-----	1,476,582	3	-----	664,129	303,122	-----	119,499	340,543	49,286
2921 LIQUEFIED GASES-----	625	-----	-----	-----	192	-----	431	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	63	-----	-----	26	37	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	7,243	1	61	11	16	-----	5,684	-----	1,505
3011 RUBBER AND MISC PLASTIC PROD-----	4,077	270	887	524	596	-----	1,804	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	1,314	16	1,191	23	44	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	3,863	1,604	479	1,445	335	-----	-----	-----	-----
3241 BUILDING CEMENT-----	2,712,810	664,213	-----	21	220	-----	2,048,354	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	21,010	463	584	310	525	-----	10,563	8,565	-----
3271 LIME-----	9,646	-----	-----	-----	-----	-----	9,646	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	3,401	613	2,786	-----	2	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	3,088	167	600	8	241	-----	682	-----	1,350
3311 PIG IRON-----	9,332	-----	-----	-----	-----	-----	95	9,237	-----
3312 SLAG-----	538,813	-----	-----	-----	-----	-----	472,903	65,910	-----
3314 IRON AND STEEL PRIMARY FORMS-----	106,255	3,601	41,948	-----	33,245	-----	424	26,636	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,864,078	36,763	1,673,841	32	414	-----	15,114	136,075	1,795
3316 IRON AND STEEL PLATES, SHEETS-----	344,247	20	21,928	150	48,050	-----	14,734	299,401	-----
3317 IRON AND STEEL PIPE AND TUBE-----	74,841	871	51,748	749	248	-----	9,414	11,371	-----
3318 FERRONALLOYS-----	316,848	97,378	156,843	5	-----	-----	-----	62,642	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	131,469	2,476	4,028	2,684	249	-----	19,564	101,664	880
3321 NONFERROUS METALS, NEC-----	4,408	270	3,403	245	64	-----	424	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	5,214	1,011	3,968	4	58	-----	173	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	61,906	113	41,775	-----	18	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	11,969	6,123	4,105	724	225	-----	792	-----	-----
3411 FABRICATED METAL PRODUCTS-----	18,974	2,636	4,610	771	2,026	-----	624	4,305	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	61,948	15,053	18,299	2,814	23,750	-----	1,437	594	-----
3611 ELECTRICAL MACH AND EQUIP-----	9,325	1,796	1,427	2,319	3,783	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	34,124	11,311	6,962	7,139	7,258	-----	1,454	-----	-----
3721 AIRCRAFT AND PARTS-----	9	-----	4	-----	5	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	440	5	16	-----	23	-----	394	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	9,747	-----	1,244	112	8,274	-----	115	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,465	676	390	59	340	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	42,272	135	741	70	722	-----	90,408	-----	-----
4011 IRON AND STEEL SCRAP-----	726,272	27,769	344	179	568,611	-----	100	129,229	-----
4012 NONFERROUS METAL SCRAP-----	58,297	12,082	35,246	176	5,793	-----	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	203	-----	-----	1	132	-----	70	-----	-----
4024 PAPER WASTE AND SCRAP-----	1,398	-----	-----	770	48	-----	540	-----	-----
4029 WASTE AND SCRAP, NEC-----	36	-----	-----	-----	-----	-----	36	-----	-----
4112 COMMODITIES, NEC-----	29,004	9,575	1,214	20	1,468	-----	16,747	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCT-----	6,723	-----	-----	-----	6,723	-----	-----	-----	-----

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

SECTION 1

FREIGHT TRAFFIC

1

ST. PAUL, MN, DISTRICT (GREAT LAKES PORTION) LAKE SUPERIOR AREA

3

TWO HARBORS (AGATE BAY), MINN.

SECTION INCLUDED: ENTIRE HARBOR, CONTROLLING DEPTHS: 20 FEET EXCEPT FOR A 26 FOOT AREA ALONG THE EAST PROJECT LINE. PROJECT DEPTHS: 20 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
1973	8,629,673	1978	10,517,263
1974	9,768,565	1979	11,932,715
1975	9,605,505	1980	11,157,604
1976	8,266,120	1981	11,332,237
1977	5,805,603	1982	7,059,968

FREIGHT TRAFFIC, 1982

DOMESTIC (SHORT TONS)

COMMODITY	TOTAL	LAKEWISE SHIPMENTS	LOCAL
TOTAL	5,059,961	5,059,961	7
0911 FRESH FISH, EXCEPT SHELLFISH	7	7	7
1011 IRON ORE AND CONCENTRATES	5,059,961	5,059,961	

DULUTH-SUPERIOR HARBOR, MINN. AND WIS.

SECTION INCLUDED: SUPERIOR BAY AND ITS TRIBUTARIES, ST. LOUIS BAY AND ST. LOUIS RIVER, AND ALLOUEZ BAY. CONTROLLING DEPTHS: 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 DEPTHS: 32 FEET IN LAKE APPROACHES; 27 FEET IN DULUTH AND SUPERIOR HARBOR BASINS, SUPERIOR FRONT CHANNEL, AND IN URE-CHANNEL ROUTES THROUGH NORTH AND SOUTH CHANNELS TO D. M. & T. R. R. Y. ORE DOCKS; 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.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973	48,158,190	142,132	1978	65,841,360	231,020
1974	46,348,702	121,020	1979	47,725,075	190,630
1975	33,607,024	130,000	1980	41,434,560	233,690
1976	32,654,531	136,422	1981	39,425,503	264,536
1977	33,419,210	204,314	1982	27,436,685	200,044

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		LOCAL
		OVERSEAS		CANADIAN		LAKEWISE		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL	27,436,685	52,733	3,512,000	342,643	3,340,126	1,359,007	18,020,562	194
0102 BARLEY AND RYE	510,954		357,164	8,716	36,837		108,237	
0103 CORN	81,104		55,004		26,100			
0104 OATS	4,334		2,496	1,838				
0106 BORGHUM GRAINS	5,732		5,732					
0107 WHEAT	4,290,984		1,701,069		1,231,393		1,357,722	
0119 OILSEEDS, NEC	1,267,575		1,267,575					
0133 COFFEE	42	42						
0141 FRESH AND FROZEN VEGETABLES	2,783		2,783					
0911 FRESH FISH, EXCEPT SHELLFISH	194							194
1011 IRON ORE AND CONCENTRATES	15,496,954				1,947,246		13,549,708	
1101 COAL AND LIGNITE	4,092,684					302,692	3,790,952	
1011 LIMESTONE	665,684					665,684		
1451 CLAY	50,636		4,369		50,167			
1499 NONMETALLIC MINERALS, NEC	70,000			62,176		12,790		
2002 DRIED MILK AND CREAM	6,021		6,021					
2001 WHEAT FLOUR AND SEMOLINA	1,682		1,682					
2042 ANIMAL FEEDS	20,428		20,428					
2009 GRAIN MILL PRODUCTS, NEC	46,425		46,425					
2001 ALCOHOLIC BEVERAGES	23	21		2				
2211 BASIC TEXTILE PRODUCTS	6,596	6,596						
2601 WOOD MANUFACTURES, NEC	7,132		481		6,651			
2611 PULP	53,082				53,082			
2631 PAPER AND PAPERBOARD	121,925				121,925			
2601 PULP AND PAPER PRODUCTS, NEC	46				46			
2819 BASIC CHEMICALS AND PROD, NEC	7,057	64	4			7,055		
2911 GASOLINE	8,729			8,729				
2919 RESIDUAL FUEL OIL	22,003						22,003	
2920 COKE, PETROLEUM COKE	57,236				41,570	15,656		
3201 BUILDING CEMENT	640,897			60,817		354,680		
3319 IRON, STEEL SHAPES, ETC SHEETS	10,661	10,661						
3316 IRON AND STEEL PLATES, SHEETS	12,499	12,499						
3317 IRON AND STEEL PIPE AND TUBES	12,499	12,499						
3320 ALUMINUM AND ALLOYS, UNWORKED	27	27						
3411 FABRICATED METAL PRODUCTS	91	91						

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4

Waterborne Commerce of the United States, 1982

DULUTH-SUPERIOR HARBOR, MINN. AND WIS.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		
		OVERSEAS		CANADIAN		LAKE/ST		LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
3511 MACHINERY, EXCEPT ELECTRICAL-----	260	249	2	-----	37	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	18,291	-----	18,291	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	71	-----	71	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	26	23	3	-----	-----	-----	-----	-----

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ST. PAUL, MN, DISTRICT (GREAT LAKES PORTION)
OTHER HARBORS AND WATERWAYS

5

HARBOR OR WATERWAY	COMMODITY	TONS	PASSENGERS
PROJECT			
ASHLAND HARBOR, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	41	-----
	1121 COAL AND LIGNITE-----	171,333	-----
	1411 LIMESTONE-----	10,040	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	450	-----
	TOTAL-----	181,864	-----
BAYFIELD HARBOR, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	535	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	2,880	-----
	2911 GASOLINE-----	223	-----
	2914 DISTILLATE FUEL OIL-----	331	-----
	2921 LIQUEFIED GASES-----	84	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	30	-----
	4112 COMMODITIES, NEC-----	3,303	-----
	TOTAL-----	7,386	200,777
BEAVER BAY HARBOR, MINN.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	22	-----
CORNUCOPIA HARBOR, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	82	-----
GRAND MARAIS HARBOR, MINN.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	82	-----
KNIPE RIVER HARBOR, MINN.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	11	-----
LA POINTE HARBOR, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	3	-----
	2911 GASOLINE-----	223	-----
	2914 DISTILLATE FUEL OIL-----	331	-----
	2921 LIQUEFIED GASES-----	84	-----
	4112 COMMODITIES, NEC-----	3,303	-----
	TOTAL-----	3,944	170,991
LUTSEN HARBOR, MINN.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	1	-----
PORT WING HARBOR, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	187	-----
WARROAD HARBOR, MINN.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	562	-----
NONPROJECT			
SILVER BAY, MINN.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	14	-----
	1011 IRON ORE AND CONCENTRATES-----	2,379,187	-----
	TOTAL-----	2,379,201	-----
TACONITE HARBOR, MINN.-----	1011 IRON ORE AND CONCENTRATES-----	4,017,287	-----
	1121 COAL AND LIGNITE-----	199,983	-----
	TOTAL-----	4,217,270	-----

CHICAGO, IL, DISTRICT

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

SECTION INCLUDED: PROTECTED AREA ON LAKEFRONT FROM OAK STREET TO ROOSEVELT ROAD AND CHICAGO RIVER ENTRANCE TO RUSH STREET. CONTROLLING AND PROJECT DEPTHS: 29 FEET IN THE LAKE APPROACH CHANNEL, 20 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
1973-----	403,945	366,160	1978-----	532,730	328,134
1974-----	317,398	355,231	1979-----	356,347	373,754
1975-----	322,899	346,822	1980-----	532,315	305,744
1976-----	330,497	318,614	1981-----	361,224	300,090
1977-----	531,953	381,562	1982-----	521,590	330,760

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN CANADIAN		LAKEWIDE RECEIPTS	DOMESTIC INTERNAL RECEIPTS	LOCAL
		IMPORTS	EXPORTS			
TOTAL-----	521,590	363,593	6,795	8,056	125,919	17,235
1311 CRUDE PETROLEUM-----	40,956	40,956	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	155,784	155,784	-----	-----	-----	-----
2001 SUGAR-----	125,919	-----	-----	-----	125,919	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	31,294	31,294	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	109,428	109,428	-----	-----	-----	-----
2915 RESIDUAL FUEL OIL-----	41,917	16,626	-----	8,056	-----	17,235
2916 LUBRICATING OILS AND GREASES-----	9,505	9,505	-----	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	6,795	-----	6,795	-----	-----	-----
TOTAL TON-MILES, 1,506,449.						

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
1973-----	3,480,664	1978-----	2,745,261
1974-----	2,538,927	1979-----	2,798,123
1975-----	2,060,434	1980-----	2,625,907
1976-----	2,233,044	1981-----	2,290,800
1977-----	2,453,313	1982-----	2,568,479

* PASSENGERS--37,784.

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	LAKEWIDE THROUGH		INTERNAL RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
			UPBOUND	DOWNBOUND				UPBOUND	DOWNBOUND
TOTAL-----	2,568,479	8,416	155,250	790,954	414,399	156,336	867,240	134,908	40,968
0911 FRESH FISH, EXCEPT SHELLFISH-----	71	-----	-----	-----	-----	-----	-----	-----	71
1091 NONFERROUS ORES, CONCENT, NEC-----	1,424	-----	-----	-----	-----	1,424	-----	-----	-----
1121 COAL AND LIGNITE-----	28,827	-----	-----	-----	28,827	-----	-----	-----	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	957,327	-----	-----	-----	93,152	-----	864,175	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	159,929	5,001	-----	-----	121,528	32,400	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	11,224	-----	-----	-----	-----	11,224	-----	-----	-----
2001 SUGAR-----	125,919	-----	-----	-----	-----	-----	-----	125,919	-----
2810 SODIUM HYDROXIDE-----	6,767	-----	-----	-----	6,767	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	238,534	-----	-----	238,534	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	8,670	-----	8,213	-----	-----	-----	-----	2,657	-----
2911 GASOLINE-----	43,017	-----	23,517	19,500	-----	-----	-----	-----	-----
2912 JET FUEL-----	79,921	-----	71,177	8,744	-----	-----	-----	-----	-----
2913 KEROSENE-----	2,103	-----	-----	2,103	-----	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	137,313	-----	29,109	103,425	-----	-----	-----	8,779	-----
2915 RESIDUAL FUEL OIL-----	407,092	-----	19,898	346,207	-----	-----	-----	-----	40,897
2916 ASPHALT, TAR, AND PITCHES-----	74,896	-----	2,545	72,351	-----	-----	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	1,553	-----	-----	-----	-----	-----	-----	1,553	-----
2991 PETROLEUM AND COAL PROD, NEC-----	2,799	-----	2,799	-----	-----	-----	-----	-----	-----
3201 BUILDING CEMENT-----	99,154	-----	-----	-----	99,154	-----	-----	-----	-----
3291 HIGH NONMETALLIC MINERAL PROD-----	1,350	-----	-----	-----	-----	-----	1,350	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	882	-----	-----	-----	882	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	47,276	3,415	-----	-----	39,692	3,294	915	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	18,111	-----	-----	-----	18,111	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	8,726	-----	-----	-----	8,726	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	6,598	-----	-----	-----	5,788	-----	808	-----	-----

CHICAGO, IL, DISTRICT

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

FREIGHT TRAFFIC, 1982--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	LAKEWIDE THROUGH		RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
			UPBOUND	DOWNBOUND				UPBOUND	DOWNBOUND
3322 COPPER ALLOYS, UNWORKED-----	1,104	-----	-----	-----	1,104	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	2,668	-----	-----	-----	2,668	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	108,034	-----	-----	-----	-----	108,034	-----	-----	-----
TOTAL TON-MILES,	3,973,760.								

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
1973-----	4,636,427	1978-----	3,030,229
1974-----	3,661,106	1979-----	3,328,459
1975-----	3,420,145	1980-----	3,510,705
1976-----	2,897,111	1981-----	3,343,328
1977-----	3,099,585	1982-----	3,269,824

* PASSENGERS--392.

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	LAKEWIDE THROUGH		RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
			UPBOUND	DOWNBOUND				UPBOUND	DOWNBOUND
TOTAL-----	3,269,824	7,800	156,749	783,150	415,734	150,784	141,823	1,415,197	198,583
0911 FRESH FISH, EXCEPT SHELLFISH---	71	-----	-----	-----	-----	-----	71	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC---	1,424	-----	-----	-----	-----	-----	-----	-----	1,424
1121 COAL AND LIGNITE-----	282,154	-----	-----	-----	253,327	-----	-----	28,827	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	1,194,953	-----	-----	-----	95,874	-----	141,752	957,327	-----
1451 CLAY-----	1,441	-----	-----	-----	1,441	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	177,887	-----	-----	-----	23,959	-----	-----	121,528	32,400
2014 TALLOW, ANIMAL FATS AND OILS---	11,224	-----	-----	-----	-----	-----	-----	-----	11,224
2061 SUGAR-----	133,480	-----	-----	-----	7,561	-----	-----	125,919	-----
2421 LUMBER-----	12,355	-----	-----	-----	12,355	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD---	4,167	-----	-----	-----	4,167	-----	-----	-----	-----
2611 PULP-----	3,930	-----	-----	-----	3,930	-----	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	4,102	-----	-----	-----	4,102	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	1,533	-----	-----	-----	1,533	-----	-----	-----	-----
2810 SODIUM HYDROXIDE-----	6,767	-----	-----	-----	-----	-----	-----	6,767	-----
2819 BASIC CHEMICALS AND PROD, NEC---	238,534	7,800	-----	230,734	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS---	8,870	-----	8,213	-----	-----	-----	-----	2,657	-----
2911 GASOLINE-----	43,017	-----	23,517	19,500	-----	-----	-----	-----	-----
2912 JET FUEL-----	79,921	-----	71,177	8,744	-----	-----	-----	-----	-----
2913 KEROSENE-----	2,103	-----	-----	2,103	-----	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	137,313	-----	29,109	103,425	-----	-----	-----	4,779	-----
2915 RESIDUAL FUEL OIL-----	407,092	-----	19,898	346,297	-----	-----	-----	-----	40,897
2918 ASPHALT, TAR, AND PITCHES-----	74,896	-----	2,545	72,351	-----	-----	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	3,177	-----	-----	-----	-----	1,624	-----	1,553	-----
2991 PETROLEUM AND COAL PROD, NEC---	2,799	-----	2,799	-----	-----	-----	-----	-----	-----
3241 BUILDING CEMENT-----	99,154	-----	-----	-----	-----	-----	-----	99,154	-----
3291 MISC NONMETALLIC MINERAL PROD---	1,350	-----	-----	-----	-----	-----	-----	-----	1,350
3311 PIG IRON-----	3,621	-----	-----	-----	3,621	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS---	882	-----	-----	-----	-----	-----	-----	882	-----
3315 IRON, STEEL SHAPES, EXC SHEET---	45,957	-----	1,491	-----	605	-----	-----	40,607	3,254
3316 IRON AND STEEL PLATES, SHEETS---	15,698	-----	-----	-----	792	2,795	-----	12,111	-----
3317 IRON AND STEEL PIPE AND TUBE---	2,726	-----	-----	-----	-----	-----	-----	2,726	-----
3319 IRON AND STEEL PRODUCTS, NEC---	8,777	-----	-----	-----	1,184	1,000	-----	6,588	-----
3322 COPPER ALLOYS, UNWORKED-----	1,104	-----	-----	-----	-----	-----	-----	1,104	-----
3411 FABRICATED METAL PRODUCTS-----	2,668	-----	-----	-----	-----	-----	-----	2,668	-----
4011 IRON AND STEEL SCRAP-----	254,677	-----	-----	-----	1,278	145,365	-----	-----	108,034
TOTAL TON-MILES,	13,510,929.								

8 *Waterborne Commerce of the United States, 1982*

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
1973-----	25,603,691	1978-----	19,942,488
1974-----	27,525,065	1979-----	20,013,114
1975-----	26,567,542	1980-----	22,687,576
1976-----	23,629,761	1981-----	21,706,164
1977-----	21,826,537	1982-----	19,043,700

* PASSENGERS--392.

FREIGHT TRAFFIC, 1982

COASTWISE AND LAKEWISE

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC			
		COASTWISE THROUGH UPBOUND	RECEIPTS	SHIPMENTS	LAKEWISE THROUGH UPBOUND DOWNBOUND
TOTAL-----	1,078,016	2,618	872,995	157,655	10,519 34,229
2042 ANIMAL FEEDS-----	2,614	2,618			
2017 BENZENE AND TOLUENE-----	1,669			1,669	
2019 BASIC CHEMICALS AND PROD, NEC-----	230,734		230,734		
2071 NITROGENOUS CHEM FERTILIZERS-----	6,213				6,213
2011 GASOLINE-----	57,725		32,100	25,625	
2012 JET FUEL-----	82,054		4,266	71,177	
2013 KEROSENE-----	2,103				2,103
2014 DISTILLATE FUEL OIL-----	172,561		126,234	29,109	
2015 RESIDUAL FUEL OIL-----	440,363		407,310	21,941	
2010 ASPHALT, TAR, AND PITCHES-----	74,896		72,351	2,545	
2091 PETROLEUM AND COAL PROD, NEC-----	5,589			5,589	
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,491				1,491

TON-MILES, COASTWISE AND LAKEWISE, 12,643,464.

INTERNAL (SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
					UPBOUND	DOWNBOUND
TOTAL-----	17,985,888	6,313,505	3,698,206	1,982,981	3,545,586	2,445,410
0103 CORN-----	416,809		366,719		1,599	48,495
0117 WHEAT-----	184,805		13,558		106,300	64,947
0111 SOYBEANS-----	223,496		141,132	1,440	1,563	79,361
1011 IRON ORE AND CONCENTRATES-----	44,249				44,249	
1091 ALUMINUM ORES, CONCENTRATES-----	39,301				39,301	
1061 MANGANESE ORES, CONCENTRATES-----	10,081				5,958	4,123
1091 NONFERROUS ORES, CONCENT, NEC-----	10,792		1,188		8,180	1,424
1121 COAL AND LIGNITE-----	3,520,209	2,966,932			548,030	5,247
1311 CRUDE PETROLEUM-----	361,299	13,031	312,310		35,958	
1411 LIMESTONE-----	2,835				2,835	
1442 SAND, GRAVEL, CRUSHED ROCK-----	3,122,481	892,010	516,753	1,498,677	211,996	3,045
1451 CLAY-----	2,911				2,911	
1499 NONMETALLIC MINERALS, NEC-----	716,824	277,873	16,331	1,738	385,782	35,100
2014 TALLOW, ANIMAL FATS AND OILS-----	113,160		1,391			111,769
2042 ANIMAL FEEDS-----	316,946		240,152		16,716	60,078
2049 GRAIN MILL PRODUCTS, NEC-----	9,904		2,460			7,444
2061 SUGAR-----	180,248	26,768			133,480	
2062 MOLASSES-----	64,960				64,960	
2091 VEGETABLE OILS, MARG, SHORT-----	20,201	9,994				10,207
2021 LUMBER-----	13,703				13,703	
2031 VENEER, PLYWOOD, NONKED WOOD-----	5,367	1,200			4,167	
2011 PULP-----	34,060	22,270			11,790	
2021 STANDARD NEWSPRINT PAPER-----	4,102				4,102	
2031 PAPER AND PAPERBOARD-----	9,529				9,529	
2010 SODIUM HYDROXIDE-----	261,175	200,588	1,453		59,134	
2011 CRUDE TAR, OIL, GAS PRODUCTS-----	60,875	4,041	51,781	1,693		3,360
2013 ALCOHOLS-----	200,641	173,418	2,361	8,238	16,624	
2017 BENZENE AND TOLUENE-----	64,920	14,788	30,920	9,648	8,265	1,299
2010 SULPHURIC ACID-----	1,400					1,400
2019 BASIC CHEMICALS AND PROD, NEC-----	556,763	294,296	39,473	4,866	216,079	2,049
2071 NITROGENOUS CHEM FERTILIZERS-----	161,744	4,914			153,300	3,530
2072 POTASSIC CHEM FERTILIZERS-----	56,921					56,921
2073 PHOSPHATIC CHEM FERTILIZERS-----	20,482				20,482	
2079 FERTILIZER AND MATERIALS, NEC-----	16,397				11,873	4,524
2091 MISCELLANEOUS CHEMICAL PROD-----	17,950		17,950			
2011 GASOLINE-----	91,561	46,601	6,706		2,564	35,690
2012 JET FUEL-----	59,948	40,657				19,291
2013 KEROSENE-----	10,452	2,800		7,652		
2014 DISTILLATE FUEL OIL-----	440,469	164,148	35,507	211,020	18,395	11,399
2015 RESIDUAL FUEL OIL-----	1,459,179	106,510	554,334	180,814	143,504	474,215
2016 LUBRICATING OILS AND GREASES-----	277,232	166,087	8,639			82,506
2017 NAPHTHA, PETROLEUM SOLVENTS-----	271,954	197,379	22,042	5,054	45,729	1,750
2010 ASPHALT, TAR, AND PITCHES-----	212,048	188,296	12,916			10,836
2020 COKE, PETROLEUM COKE-----	991,438	37,582	100,998	49,286	671,280	132,292
2091 PETROLEUM AND COAL PROD, NEC-----	42,079	35,911	4,663	1,505		

CHICAGO, IL, DISTRICT

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

FREIGHT TRAFFIC, 1982--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
					UPBOUND	DOWNBOUND
3241 BUILDING CEMENT-----	470,461	371,307	-----	-----	99,154	-----
3251 STRUCTURAL CLAY PRODUCTS-----	8,565	-----	-----	-----	8,565	-----
3271 LIME-----	90,044	3,008	-----	-----	87,036	-----
3281 CUT STONE AND STONE PRODUCTS-----	2,824	2,824	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	1,350	-----	-----	1,350	-----	-----
3311 PIG IRON-----	22,420	-----	-----	-----	18,781	3,639
3312 SLAG-----	89,260	-----	-----	-----	948	88,312
3314 IRON AND STEEL PRIMARY FIRMS-----	48,402	4,816	-----	-----	18,204	25,382
3315 IRON, STEEL SHAPES, EXC SHEET-----	233,841	5,046	-----	-----	71,207	157,588
3316 IRON AND STEEL PLATES, SHEETS-----	336,927	7,337	2,307	-----	26,793	300,490
3317 IRON AND STEEL PIPE AND TUBE-----	31,263	3,197	-----	-----	14,499	13,567
3318 FERROALLOYS-----	124,937	367	-----	-----	124,570	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	136,707	3,951	1,436	-----	12,028	119,292
3321 NONFERROUS METALS, NEC-----	5,459	-----	-----	-----	4,731	728
3322 COPPER ALLOYS, UNWORKED-----	1,104	-----	-----	-----	1,104	-----
3323 LEAD AND ZINC, UNWORKED-----	11,505	1,343	-----	-----	10,162	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,567	-----	-----	-----	-----	1,567
3411 FABRICATED METAL PRODUCTS-----	15,744	801	-----	-----	4,054	10,889
3511 MACHINERY, EXCEPT ELECTRICAL-----	3,892	1,414	-----	-----	35	2,443
3711 MOTOR VEHICLES, PARTS, EQUIP-----	590	-----	-----	-----	590	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	600	-----	-----	-----	-----	600
4011 IRON AND STEEL SCRAP-----	487,320	-----	15,720	-----	22,989	448,611
4029 WASTE AND SCRAP, NEC-----	1,177,006	-----	1,177,006	-----	-----	-----

TON-MILES, INTERNAL, 266,856,429.

TONS, ALL TRAFFIC, 19,063,704.

TON-MILES, ALL TRAFFIC, 279,499,893.

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
1973-----	6,111,949	1,955	1978-----	6,034,231	1,200
1974-----	6,983,482	1,200	1979-----	5,630,427	1,290
1975-----	7,126,396	1,110	1980-----	6,042,097	1,300
1976-----	6,466,901	1,650	1981-----	6,641,966	1,300
1977-----	6,343,439	1,620	1982-----	5,441,831	392

FREIGHT TRAFFIC, 1982

COASTWISE AND LAKEWISE

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		DOMESTIC LAKEWISE		THROUGH	
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	UPBOUND	DOWNBOUND
TOTAL-----	263,396	2,618	94,746	20,376	-----	13,882	131,774
2042 ANIMAL FEEDS-----	2,618	2,618	-----	-----	-----	-----	-----
2017 BENZENE AND TOLUENE-----	1,669	-----	-----	-----	-----	1,669	-----
2071 NITROGENOUS CHEM FERTILIZERS-----	6,213	-----	-----	-----	-----	-----	6,213
2911 GASOLINE-----	14,708	-----	-----	-----	-----	2,108	12,600
2912 JET FUEL-----	14,769	-----	12,636	-----	-----	-----	2,133
2913 KEROSENE-----	2,103	-----	2,103	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	111,710	-----	71,683	-----	-----	-----	40,027
2915 RESIDUAL FUEL OIL-----	105,325	-----	4,324	20,376	-----	7,315	69,310
2991 PETROLEUM AND COAL PROD, NEC-----	2,790	-----	-----	-----	-----	2,790	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,491	-----	-----	-----	-----	-----	1,491

TON-MILES, COASTWISE AND LAKEWISE, 4,825,708.

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
					UPBOUND	DOWNBOUND
TOTAL-----	5,178,435	487,062	434,055	375,779	2,142,494	1,739,045
0103 CORN-----	50,090	-----	-----	-----	1,595	48,495
0107 WHEAT-----	171,247	-----	-----	-----	106,300	64,947
0111 SOYBEANS-----	82,364	-----	-----	-----	3,003	79,361
1011 IRON ORE AND CONCENTRATES-----	44,249	-----	-----	-----	44,249	-----

FREIGHT TRAFFIC, 1982--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

TON-MILES, INTERNAL,	112,563,560.
TONS, ALL TRAFFIC,	5,441,831.
TON-MILES, ALL TRAFFIC,	117,389,268.

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
1973	-----	2,281,305	-----	1978	-----	1,814,313	-----
1974	-----	1,912,763	1,200	1979	-----	2,312,113	-----
1975	-----	1,547,458	1,200	1980	-----	1,314,538	-----
1976	-----	1,752,269	1,600	1981	-----	1,163,849	-----
1977	-----	1,350,761	3,240	1982	-----	942,514	-----

FREIGHT TRAFFIC, 1982

(SHORT TONS)

[illegible]

CHICAGO, IL, DISTRICT

11

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

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				LAKENISE	DOMESTIC		LOCAL
		OVERSEAS		CANADIAN			INTERNAL		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS		RECEIPTS	RECEIPTS	
0107 WHEAT-----	46,884	-----	-----	-----	-----	-----	41,147	5,737	-----
0111 SOYBEANS-----	49,855	-----	-----	-----	13,200	-----	-----	36,655	-----
1051 ALUMINUM ORES, CONCENTRATES-----	1,445	-----	-----	-----	-----	-----	1,445	-----	-----
1311 CRUDE PETROLEUM-----	13,600	-----	-----	13,600	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	132,143	-----	-----	29,903	-----	93,071	9,169	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	29,061	-----	5,122	-----	-----	-----	-----	23,939	-----
2091 VEGETABLE OILS, MARG, SHORT-----	3,351	1,148	-----	2,203	-----	-----	-----	-----	-----
2611 PULP-----	1,310	-----	-----	-----	-----	-----	1,310	-----	-----
2810 SODIUM HYDROXIDE-----	52,367	-----	-----	-----	-----	-----	52,367	-----	-----
2813 ALCOHOLS-----	19,391	-----	-----	-----	-----	-----	11,153	-----	8,238
2817 BENZENE AND TOLUENE-----	1,400	-----	-----	-----	-----	-----	-----	-----	1,400
2819 BASIC CHEMICALS AND PROD, NEC-----	92,991	-----	-----	4,034	-----	7,663	81,294	-----	-----
2872 POTASSIUM CHEM FERTILIZERS-----	14,221	-----	-----	-----	-----	-----	-----	14,221	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	19,564	-----	-----	19,564	-----	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	8,901	-----	-----	-----	-----	-----	8,901	-----	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	40,791	-----	-----	-----	-----	-----	39,041	1,750	-----
2920 COKE, PETROLEUM COKE-----	1,497	-----	-----	-----	-----	-----	-----	1,497	-----
3241 BUILDING CEMENT-----	101,468	-----	-----	-----	-----	101,468	-----	-----	-----
3271 LIME-----	87,036	-----	-----	-----	-----	-----	87,036	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	10,884	-----	-----	-----	-----	-----	10,884	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	133,000	114,250	-----	-----	-----	2,450	15,682	618	-----
3316 IRON AND STEEL PLATES, SHEETS-----	10,938	-----	-----	-----	-----	4,048	6,890	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	1,336	51	-----	-----	-----	-----	1,285	-----	-----
3318 FERROALLOYS-----	2,081	-----	-----	-----	-----	-----	2,081	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	23,904	6	-----	-----	-----	18,320	2,827	2,751	-----
3323 LEAD AND ZINC, UNWORKED-----	12,929	4,189	-----	-----	-----	-----	8,740	-----	-----
4011 IRON AND STEEL SCRAP-----	22,889	-----	-----	-----	-----	-----	5,641	17,248	-----
TOTAL TON-MILES, 907,535.									

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: 29 FEET IN APPROACH CHANNEL, 28 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
1973-----	26,677,117	1978-----	25,242,282
1974-----	24,589,869	1979-----	24,014,852
1975-----	22,032,026	1980-----	16,415,499
1976-----	22,018,017	1981-----	17,631,420
1977-----	19,738,837	1982-----	12,778,098

* PASSENGERS--2,084.

FREIGHT TRAFFIC, 1982

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS				CANADIAN			
		IMPORTS	EXPORTS	THROUGH		IMPORTS	EXPORTS	THROUGH	
				EASTBOUND	WESTBOUND			EASTBOUND	WESTBOUND
TOTAL-----	4,281,252	827,857	586,990	5,122	119,644	1,876,854	782,281	13,200	69,304
0103 CORN-----	394,453		47,662				346,791		
0104 OATS-----	262		262						
0105 RICE-----	43	43							
0107 WHEAT-----	15,450		15,450						
0111 SOYBEANS-----	131,386		74,806				43,380	13,200	
0121 TOBACCO, LEAF-----	573	567				6			
0129 FIELD CROPS, NEC-----	3								
0131 FRESH FRUITS-----	1	1							
0133 COFFEE-----	2	2							
0161 ANIMALS AND PRODUCTS, NEC-----	15	11	4						
0841 CRUDE RUBBER AND ALLIED GUMS-----	26	26							
0861 FOREST PRODUCTS, NEC-----	28	28							
1011 IRON ORE AND CONCENTRATES-----	910,726	49,304				861,422			
1051 ALUMINUM ORES, CONCENTRATES-----	7	7							
1121 COAL AND LIGNITE-----	11,884		11,884						
1311 CRUDE PETROLEUM-----	188,825					175,225			13,600
1442 SAND, GRAVEL, CRUSHED ROCK-----	13	13							
1451 CLAY-----	73,679	142	73,537						
1499 NONMETALLIC MINERALS, NEC-----	261,137	132				211,480	19,622		29,903
2012 MEAT AND PRODUCTS, NEC-----	43	43							
2014 TALLOW, ANIMAL FATS AND OILS-----	17,398		12,276	5,122					
2021 DAIRY PRODUCTS, NEC-----	147	147							
2022 DRIED MILK AND CREAM-----	735		735						
2031 FISH AND SHELLFISH, PREPARED-----	8	8							
2034 VEGETABLES AND PREP, NEC-----	181	181							
2039 PREP FRUIT AND VEG JUICE, NEC-----	338	338							
2041 WHEAT FLOUR AND SEMOLINA-----	13,760		13,760						
2042 ANIMAL FEEDS-----	13		13						
2049 GRAIN MILL PRODUCTS, NEC-----	41,746	50	41,696						

Waterborne Commerce of the United States, 1982

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

FREIGHT TRAFFIC, 1982--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS				CANADIAN			
		IMPORTS	EXPORTS	THROUGH		IMPORTS	EXPORTS	THROUGH	
				EASTBOUND	WESTBOUND			EASTBOUND	WESTBOUND
2081 ALCOHOLIC BEVERAGES-----	11,132	11,093				39			
2091 VEGETABLE OILS, MARG, SHORT	3,673	27	295		1,148				2,203
2099 MISCELLANEOUS FOOD PRODUCTS--	657	657							
2111 TOBACCO MANUFACTURES-----	1	1							
2211 BASIC TEXTILE PRODUCTS-----	72	29	43						
2212 TEXTILE FIBERS, NEC-----	5,125	5,125							
2311 APPAREL-----	28	28							
2421 LUMBER-----	79	41	38						
2431 VENEER, PLYWOOD, WORKED WOOD--	44		44						
2491 WOOD MANUFACTURES, NEC-----	22	22							
2511 FURNITURE AND FIXTURES-----	1,030	1,013	17						
2631 PAPER AND PAPERBOARD-----	83	25	58						
2691 PULP AND PAPER PRODUCTS, NEC--	9	9							
2711 PRINTED MATTER-----	147	7	140						
2811 CRUDE TAR, OIL, GAS PRODUCTS--	111,229					111,229			
2819 BASIC CHEMICALS AND PROD, NEC--	212,897	883	1,411			206,569			4,034
2821 PLASTIC MATERIALS-----	311	245	66						
2831 DRUGS-----	385	107	278						
2841 SOAP-----	82	72	10						
2851 PAINTS-----	151	151							
2871 NITROGENOUS CHEM FERTILIZERS--	73		73						
2873 PHOSPHATIC CHEM FERTILIZERS--	229,980					210,416			19,564
2876 INSECTICIDES, DISINFECTANTS--	37		37						
2891 MISCELLANEOUS CHEMICAL PROD--	246	244	2						
2914 DISTILLATE FUEL OIL-----	32,736					32,736			
2915 RESIDUAL FUEL OIL-----	18,000					18,000			
2916 LUBRICATING OILS AND GREASES--	43,870		1			43,869			
2920 COKE, PETROLEUM COKE-----	635,559		263,279				372,280		
2921 LIQUEFIED GASES-----	180		180						
2991 PETROLEUM AND COAL PROD, NEC--	59	58	1						
3011 RUBBER AND MISC PLASTIC PROD--	211	201	10						
3111 LEATHER AND LEATHER PRODUCTS--	22	22							
3211 GLASS AND GLASS PRODUCTS-----	63	57	6						
3251 STRUCTURAL CLAY PRODUCTS-----	704	285	419						
3281 CUT STONE AND STONE PRODUCTS--	1,023	1,023							
3291 MISC NONMETALLIC MINERAL PROD--	267	153	114						
3314 IRON AND STEEL PRIMARY FORMS--	13,307	13,307							
3315 IRON, STEEL SHAPES, EXC SHEET--	771,136	656,498	386		114,250				
3316 IRON AND STEEL PLATES, SHEETS--	20,783	2,241	18,542						
3317 IRON AND STEEL PIPE AND TUBE--	27,025	26,974			51				
3318 FERROALLOYS-----	26,462	22,053				4,409			
3319 IRON AND STEEL PRODUCTS, NEC--	3,094	3,024	64		6				
3321 NONFERROUS METALS, NEC-----	2,364	2,339	25						
3322 COPPER ALLOYS, UNWORKED-----	1,944	1,925	19						
3323 LEAD AND ZINC, UNWORKED-----	17,435	13,228	18		4,189				
3324 ALUMINUM AND ALLOYS, UNWORKED--	2,937	1,622	9		1,306				
3411 FABRICATED METAL PRODUCTS-----	1,801	1,729	72						
3511 MACHINERY, EXCEPT ELECTRICAL--	9,274	7,515	1,730			29			
3611 ELECTRICAL MACH AND EQUIP-----	1,466	397	861				208		
3711 MOTOR VEHICLES, PARTS, EQUIP--	915	487	322			106			
3721 AIRCRAFT AND PARTS-----	5		5						
3731 SHIPS AND BOATS-----	4		4						
3791 MISC TRANSPORTATION EQUIPMENT--	4,161	667	3,494						
3811 INSTR, TIME, PHOTO, OPT GOODS--	200		194						
3911 MISC MANUFACTURED PRODUCTS-----	723	347	363			13			
4011 IRON AND STEEL SCRAP-----	237		237						
4012 NONFERROUS METAL SCRAP-----	260	22	238						
4022 TEXTILE WASTE, SCRAP, SWEEP-----	100		100						
4112 COMMODITIES, NEC-----	872	852	20						
9999 DEPARTMENT OF DEFENSE AND SCI--	1,678		1,678						
TON-MILES, FOREIGN,	5,317,602.								

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKE/INLAND			
		RECEIPTS	SHIPMENTS	EASTBOUND	WESTBOUND
TOTAL-----	5,016,010	1,933,782	2,637,687	28,886	415,555
1011 IRON ORE AND CONCENTRATES-----	1,626,832	1,206,946	419,886		
1121 COAL AND LIGNITE-----	2,022,008	81,130	1,940,878		
1311 CRUDE PETROLEUM-----	11,900	11,900			
1411 LIMESTONE-----	651,151	609,564	41,587		
1499 NONMETALLIC MINERALS, NEC-----	93,071				93,071
2817 BENZENE AND TOLUENE-----	1,669			1,669	
2819 BASIC CHEMICALS AND PROD, NEC--	7,663				7,663
2871 NITROGENOUS CHEM FERTILIZERS--	18,255		18,255		
2911 GASOLINE-----	14,708			2,108	12,600
2912 JET FUEL-----	8,158				8,158
2914 DISTILLATE FUEL OIL-----	94,492				94,492
2915 RESIDUAL FUEL OIL-----	118,455	24,242		22,419	71,794
2920 COKE, PETROLEUM COKE-----	58,799		58,799		
2991 PETROLEUM AND COAL PROD, NEC--	2,790			2,790	
3241 BUILDING CEMENT-----	101,468				101,468
3312 SLAG-----	158,282		158,282		

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

FREIGHT TRAFFIC, 1982--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE			
		RECEIPTS	SHIPMENTS	THROUGH	
				EASTBOUND	WESTBOUND
3319 IRON, STEEL SHAPES, EXC SHEET-----	3,941	-----	-----	-----	3,941
3316 IRON AND STEEL PLATES, SHEETS-----	4,048	-----	-----	-----	4,048
3319 IRON AND STEEL PRODUCTS, NEC-----	18,320	-----	-----	-----	18,320
TON-MILES, LAKEWISE,	22,710,219.				

INTERNAL
(SHORT TONS)

COMMODITY	TOTAL	RECEIPTS	SHIPMENTS	LOCAL	THROUGH	
					EASTBOUND	WESTBOUND
TOTAL-----	3,480,836	1,016,684	402,245	184,227	689,744	1,187,936
0103 CORN-----	42,813	1,595	41,218	-----	-----	-----
0107 WHEAT-----	124,363	65,153	59,210	-----	-----	-----
0111 SOYBEANS-----	45,709	1,563	42,706	1,440	-----	-----
1011 IRON ORE AND CONCENTRATES-----	44,249	2,036	-----	-----	42,213	-----
1051 ALUMINUM ORES, CONCENTRATES-----	37,856	-----	-----	-----	37,856	-----
1061 MANGANESE ORES, CONCENTRATES-----	10,081	3,024	-----	-----	2,934	4,123
1091 NONFERROUS ORES, CONCENT, NEC-----	8,160	1,357	-----	-----	6,823	-----
1121 COAL AND LIGNITE-----	271,123	244,128	5,247	-----	21,748	-----
1411 LIMESTONE-----	2,835	2,835	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	3,045	-----	3,045	-----	-----	-----
1451 CLAY-----	1,470	-----	-----	-----	1,470	-----
1499 NONMETALLIC MINERALS, NEC-----	225,153	210,638	-----	-----	14,515	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	1,400	-----	1,400	-----	-----	-----
2042 ANIMAL FEEDS-----	58,678	-----	58,678	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	7,444	-----	7,444	-----	-----	-----
2062 MOLASSES-----	15,703	15,703	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	10,207	-----	10,207	-----	-----	-----
2421 LUMBER-----	1,348	-----	-----	-----	1,348	-----
2611 PULP-----	6,550	2,620	-----	-----	3,930	-----
2631 PAPER AND PAPERBOARD-----	7,996	-----	-----	-----	7,996	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	3,360	-----	3,360	-----	-----	-----
2817 BENZENE AND TOLUENE-----	1,299	-----	-----	-----	-----	1,299
2818 SULPHURIC ACID-----	1,400	-----	1,400	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	152,875	10,733	-----	-----	138,612	3,530
2872 POTASSIC CHEM FERTILIZERS-----	42,700	-----	-----	-----	-----	42,700
2873 PHOSPHATIC CHEM FERTILIZERS-----	20,482	4,756	-----	-----	15,726	-----
2879 FERTILIZER AND MATERIALS, NEC-----	7,456	2,932	-----	-----	-----	4,524
2911 GASOLINE-----	33,721	-----	-----	-----	2,564	31,157
2912 JET FUEL-----	19,291	-----	-----	-----	-----	19,291
2914 DISTILLATE FUEL OIL-----	11,399	-----	-----	-----	-----	11,399
2915 RESIDUAL FUEL OIL-----	306,544	-----	20,628	122,289	-----	163,627
2916 LUBRICATING OILS AND GREASES-----	82,506	-----	-----	-----	-----	82,506
2917 NAPHTHA, PETROLEUM SOLVENTS-----	14,275	-----	-----	9,497	4,778	-----
2918 ASPHALT, TAR, AND PITCHES-----	10,836	-----	-----	-----	-----	10,836
2920 COKE, PETROLEUM COKE-----	771,682	362,442	19,411	49,286	271,594	68,949
3251 STRUCTURAL CLAY PRODUCTS-----	8,565	-----	-----	-----	8,565	-----
3311 PIG IRON-----	11,441	2,204	-----	-----	5,598	3,639
3312 SLAG-----	89,260	-----	23,350	-----	948	64,962
3314 IRON AND STEEL PRIMARY FORMS-----	30,744	1,495	2,613	-----	4,943	21,693
3315 IRON, STEEL SHAPES, EXC SHEET-----	168,944	7,372	24,582	915	6,941	129,134
3316 IRON AND STEEL PLATES, SHEETS-----	303,154	1,356	2,397	-----	4,103	295,298
3317 IRON AND STEEL PIPE AND TUBE-----	24,055	679	12,005	-----	9,809	1,562
3318 FERROALLOYS-----	122,489	59,847	-----	-----	62,642	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	117,765	1,424	13,875	800	-----	101,666
3321 NONFERROUS METALS, NEC-----	9,459	4,731	728	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	1,422	1,422	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,567	-----	1,567	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	11,511	-----	3,206	-----	622	7,683
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,478	-----	1,883	-----	35	560
3791 MISC TRANSPORTATION EQUIPMENT-----	600	-----	600	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	175,353	4,639	41,485	-----	11,431	117,798
TON-MILES, INTERNAL,	14,391,864.					
TONS, ALL TRAFFIC,	12,778,098.					
TON-MILES, ALL TRAFFIC,	42,419,685.					

Waterborne Commerce of the United States, 1982

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
1973	47,381,242	366,160	1978	39,690,722	329,082
1974	45,885,579	380,811	1979	38,692,988	373,754
1975	42,589,056	347,032	1980	32,993,244	305,744
1976	40,574,524	319,644	1981	31,599,167	300,090
1977	36,136,148	381,562	1982	26,819,783	331,152

FREIGHT TRAFFIC, 1982

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
TOTAL	4,651,640	947,501	592,112	2,309,751	602,276
0103 CORN	394,453		47,662		346,791
0104 OATS	262		262		
0105 RICE	43	43			
0107 WHEAT	15,450		15,450		
0111 SOYBEANS	131,386		74,806		56,580
0121 TOBACCO, LEAF	573	567			6
0129 FIELD CROPS, NEC	3	3			
0131 FRESH FRUITS	1	1			
0133 COFFEE	2	2			
0161 ANIMALS AND PRODUCTS, NEC	15	11	4		
0841 CRUDE RUBBER AND ALLIED GUMS	26	26			
0861 FOREST PRODUCTS, NEC	28	28			
1011 IRON ORE AND CONCENTRATES	910,726	49,304		861,422	
1051 ALUMINUM ORES, CONCENTRATES	7	7			
1121 COAL AND LIGNITE	11,884		11,884		
1311 CRUDE PETROLEUM	229,781			229,781	
1442 SAND, GRAVEL, CRUSHED ROCK	13	13			
1451 CLAY	73,679	142	73,537		
1499 NONMETALLIC MINERALS, NEC	416,921	132		397,167	19,622
2012 MEAT AND PRODUCTS, NEC	43	43			
2014 TALLOW, ANIMAL FATS AND OILS	17,398		17,398		
2021 DAIRY PRODUCTS, NEC	147	147			
2022 DRIED MILK AND CREAM	735		735		
2031 FISH AND SHELLFISH, PREPARED	8	8			
2034 VEGETABLES AND PREP, NEC	181	181			
2039 PREP FRUIT AND VEG JUICE, NEC	338	338			
2041 WHEAT FLOUR AND SEMOLINA	13,760		13,760		
2042 ANIMAL FEEDS	13		13		
2049 GRAIN MILL PRODUCTS, NEC	41,746	50	41,696		
2081 ALCOHOLIC BEVERAGES	11,132	11,093		39	
2091 VEGETABLE OILS, MARG, SHORT	3,673	1,175	245	2,203	
2099 MISCELLANEOUS FOOD PRODUCTS	657	657			
2111 TOBACCO MANUFACTURES	1	1			
2211 BASIC TEXTILE PRODUCTS	72	29	43		
2212 TEXTILE FIBERS, NEC	5,125	5,125			
2311 APPAREL	28	28			
2421 LUMBER	79	41	38		
2431 VENEER, PLYWOOD, WORKED WOOD	44		44		
2491 WOOD MANUFACTURES, NEC	22	22			
2511 FURNITURE AND FIXTURES	1,030	1,013	17		
2631 PAPER AND PAPERBOARD	83	25	58		
2691 PULP AND PAPER PRODUCTS, NEC	9	9			
2711 PRINTED MATTER	147	7	140		
2811 CRUDE TAR, OIL, GAS PRODUCTS	111,229			111,229	
2819 BASIC CHEMICALS AND PROD, NEC	240,191	883	1,411	241,897	
2821 PLASTIC MATERIALS	311	245	66		
2831 DRUGS	385	107	278		
2841 SOAP	62	72	10		
2851 PAINTS	151	151			
2871 NITROGENOUS CHEM FERTILIZERS	73		73		
2873 PHOSPHATIC CHEM FERTILIZERS	339,408			339,408	
2876 INSECTICIDES, DISINFECTANTS	37		37		
2891 MISCELLANEOUS CHEMICAL PROD	246	244	2		
2914 DISTILLATE FUEL OIL	32,736			32,736	
2915 RESIDUAL FUEL OIL	34,626			34,626	
2916 LUBRICATING OILS AND GREASES	53,375		1	53,374	
2920 COKE, PETROLEUM COKE	642,354		263,279		379,075
2921 LIQUEFIED GASES	180		180		
2991 PETROLEUM AND COAL PROD, NEC	59	58	1		
3011 RUBBER AND MISC PLASTIC PROD	211	201	10		
3111 LEATHER AND LEATHER PRODUCTS	22	22			
3211 GLASS AND GLASS PRODUCTS	63	57	6		
3251 STRUCTURAL CLAY PRODUCTS	704	285	419		
3281 CUT STONE AND STONE PRODUCTS	1,023	1,023			
3291 MISC NONMETALLIC MINERAL PROD	247	153	114		
3314 IRON AND STEEL PRIMARY FORMS	13,307	13,307			
3315 IRON, STEEL SHAPES, EXC SHEET	771,136	770,748	388		
3316 IRON AND STEEL PLATES, SHEETS	20,783	2,241	18,542		
3317 IRON AND STEEL PIPE AND TUBE	27,025	27,025			
3318 FERROALLOYS	26,462	22,053		4,409	
3319 IRON AND STEEL PRODUCTS, NEC	3,094	3,030	64		
3321 NONFERROUS METALS, NEC	2,364	2,339	25		
3322 COPPER ALLOYS, UNWORKED	1,944	1,925	19		

CHICAGO, IL, DISTRICT

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PORT OF CHICAGO, ILL.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
3323 LEAD AND ZINC, UNWORKED-----	17,435	17,417	18	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,937	1,622	9	1,306	-----
3411 FABRICATED METAL PRODUCTS-----	1,801	1,729	72	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	9,274	7,515	1,730	29	-----
3611 ELECTRICAL MACH AND EQUIP-----	1,466	397	861	-----	208
3711 MOTOR VEHICLES, PARTS, EQUIP-----	915	487	322	106	-----
3721 AIRCRAFT AND PARTS-----	5	-----	5	-----	-----
3731 SHIPS AND BOATS-----	4	-----	4	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	4,161	667	3,494	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	200	6	194	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	723	347	363	13	-----
4011 IRON AND STEEL SCRAP-----	237	-----	237	-----	-----
4012 NONFERROUS METAL SCRAP-----	260	22	238	-----	-----
4022 TEXTILE WASTE, SCRAP, SHEEP-----	100	-----	100	-----	-----
4112 COMMODITIES, NEC-----	872	852	20	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	1,678	-----	1,678	-----	-----

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE	LAKENISE		INTERNAL		LOCAL
		RECEIPTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	22,168,143	2,618	3,152,815	2,815,718	9,160,196	4,953,319	2,083,477
0103 CORN-----	416,809	-----	-----	-----	1,595	415,214	-----
0107 WHEAT-----	184,805	-----	-----	-----	106,300	78,505	-----
0111 SOYBEANS-----	223,496	-----	-----	-----	1,563	220,493	1,440
0911 FRESH FISH, EXCEPT SHELLFISH-----	71	-----	-----	-----	-----	-----	71
1011 IRON ORE AND CONCENTRATES-----	1,628,868	-----	1,206,946	419,886	2,036	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	1,445	-----	-----	-----	1,445	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	3,024	-----	-----	-----	3,024	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	3,969	-----	-----	-----	1,357	2,612	-----
1121 COAL AND LIGNITE-----	5,520,469	-----	81,130	1,940,878	3,493,214	5,247	-----
1311 CRUDE PETROLEUM-----	373,199	-----	11,900	-----	48,989	312,310	-----
1411 LIMESTONE-----	653,986	-----	609,564	41,587	2,835	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	3,122,481	-----	-----	-----	1,104,006	519,798	1,498,677
1451 CLAY-----	1,441	-----	-----	-----	1,441	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	800,381	-----	98,072	-----	649,140	51,431	1,738
2014 TALLOW, ANIMAL FATS AND OILS-----	113,160	-----	-----	-----	-----	113,160	-----
2042 ANIMAL FEEDS-----	319,564	2,618	-----	-----	16,716	300,230	-----
2049 GRAIN MILL PRODUCTS, NEC-----	9,904	-----	-----	-----	-----	9,904	-----
2061 SUGAR-----	160,248	-----	-----	-----	160,248	-----	-----
2062 MOLASSES-----	64,960	-----	-----	-----	64,960	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	20,201	-----	-----	-----	9,994	10,207	-----
2421 LUMBER-----	12,355	-----	-----	-----	12,355	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	5,367	-----	-----	-----	5,367	-----	-----
2611 PULP-----	30,130	-----	-----	-----	30,130	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	4,102	-----	-----	-----	4,102	-----	-----
2631 PAPER AND PAPERBOARD-----	1,533	-----	-----	-----	1,533	-----	-----
2810 SODIUM HYDROXIDE-----	261,175	-----	-----	-----	259,722	1,453	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	60,875	-----	-----	-----	4,041	55,141	1,693
2813 ALCOHOLS-----	200,641	-----	-----	-----	190,042	2,361	8,238
2817 BENZENE AND TOLUENE-----	66,690	-----	-----	1,669	23,053	30,920	11,048
2818 SULPHURIC ACID-----	1,400	-----	-----	-----	-----	1,400	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	802,960	-----	246,197	-----	510,375	41,522	4,866
2871 NITROGENOUS CHEM FERTILIZERS-----	35,200	-----	-----	18,255	16,945	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	14,221	-----	-----	-----	-----	14,221	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	4,756	-----	-----	-----	4,756	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	11,873	-----	-----	-----	11,873	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	17,950	-----	-----	-----	-----	17,950	-----
2911 GASOLINE-----	115,565	-----	32,100	25,625	46,601	11,239	-----
2912 JET FUEL-----	128,736	-----	16,902	71,177	40,657	-----	-----
2913 KEROSENE-----	12,555	-----	2,103	-----	2,800	-----	7,652
2914 DISTILLATE FUEL OIL-----	665,360	-----	197,917	29,109	177,764	35,507	225,043
2915 RESIDUAL FUEL OIL-----	1,857,210	-----	447,932	42,317	249,816	862,561	254,584
2916 LUBRICATING OILS AND GREASES-----	194,726	-----	-----	-----	186,047	8,639	-----
2917 NAPHTHA, PETROLEUM SOLVENTS-----	276,673	-----	-----	-----	238,330	23,792	14,551
2918 ASPHALT, TAR, AND PITCHES-----	276,108	-----	72,351	2,545	188,296	12,916	-----
2920 COKE, PETROLEUM COKE-----	709,694	-----	-----	58,799	437,268	164,341	49,286
2991 PETROLEUM AND COAL PROD, NEC-----	47,668	-----	-----	5,589	35,911	4,663	1,505
3201 BUILDING CEMENT-----	571,929	-----	101,468	-----	470,461	-----	-----
3271 LIME-----	90,044	-----	-----	-----	90,044	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	2,824	-----	-----	-----	2,824	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	1,350	-----	-----	-----	-----	-----	1,350
3311 PIG IRON-----	13,183	-----	-----	-----	13,183	-----	-----
3312 SLAG-----	181,632	-----	-----	158,282	-----	23,350	-----
3314 IRON AND STEEL PRIMARY FORMS-----	21,766	-----	-----	-----	18,077	3,689	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	103,631	-----	5,865	-----	68,397	28,454	915
3316 IRON AND STEEL PLATES, SHEETS-----	41,574	-----	4,048	-----	30,027	7,499	-----
3317 IRON AND STEEL PIPE AND TUBE-----	19,892	-----	-----	-----	7,887	12,005	-----
3318 FERROALLOYS-----	62,295	-----	-----	-----	62,295	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	53,361	-----	18,320	-----	15,179	19,062	800
3321 NONFERROUS METALS, NEC-----	5,459	-----	-----	-----	4,731	728	-----
3322 COPPER ALLOYS, UNWORKED-----	1,104	-----	-----	-----	1,104	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	11,505	-----	-----	-----	11,505	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,567	-----	-----	-----	-----	1,567	-----
3411 FABRICATED METAL PRODUCTS-----	7,439	-----	-----	-----	4,233	3,206	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	3,297	-----	-----	-----	1,414	1,883	-----

Waterborne Commerce of the United States, 1982

PORT OF CHICAGO, ILL.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	COASTWISE		LAKEWISE		INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	590	-----	-----	-----	-----	590	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	600	-----	-----	-----	-----	-----	600	-----
4811 IRON AND STEEL SCRAP-----	358,091	-----	-----	-----	-----	11,558	346,533	-----
4829 WASTE AND SCRAP, NEC-----	1,177,006	-----	-----	-----	-----	-----	1,177,006	-----
TONS, ALL TRAFFIC, 26,819,783.								

SUMMARY OF TRAFFIC, CHICAGO AREA, 1982

(SHORT TONS)

LOCALITY	TOTAL	FOREIGN				DOMESTIC						LOCAL
		OVERSEAS		CANADIAN		COASTWISE		LAKEWISE		INTERNAL		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
DUFFINGTON HARBOR, IND.---	402,505	-----	-----	-----	26,988	-----	-----	528,441	9,300	37,856	-----	-----
GARY HARBOR, IND.---	6,130,439	76	-----	987,276	2,503	-----	-----	4,855,309	37,114	55,683	192,478	-----
INDIANA HARBOR, IND.---	12,503,763	24,910	-----	369,038	-----	-----	-----	9,259,757	1,585,866	377,251	657,773	29,18
PORT OF CHICAGO---	26,819,783	947,501	592,112	2,309,751	802,276	2,618	-----	3,152,815	2,815,718	9,160,196	4,953,319	2,083,47
TOTAL, UNADJUSTED	45,856,590	972,487	592,112	3,666,065	831,767	2,618	-----	17,796,322	4,447,998	9,630,986	5,603,570	2,112,66
TOTAL, NET-----	44,502,377	972,487	592,112	3,666,065	831,767	2,618	-----	16,442,109	3,093,785	9,630,986	5,603,570	3,466,87

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 DEPTHS: SEE REPORTS FOR ILLINOIS RIVER, CHICAGO SANITARY AND SHIP CANAL, CALUMET-SAG CHANNEL, AND CHICAGO RIVER, SOUTH BRANCH. PROJECT DEPTHS: 9 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
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-----	47,242,597	165,860	1980-----	45,526,962	65,612
1976-----	46,853,608	111,820	1981-----	43,111,132	68,738
1977-----	44,516,298	116,960	1982-----	42,719,065	78,122

FREIGHT TRAFFIC, 1982

COASTWISE AND LAKEWISE

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC			
		COASTWISE	LAKEWISE		THROUGH DOWNBOUND
		RECEIPTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,169,027	5,294	975,541	178,031	10,161
2042 ANIMAL FEEDS-----	3,921	3,921	-----	-----	-----
2017 BENZENE AND TOLUENE-----	1,669	-----	-----	1,669	-----
2019 BASIC CHEMICALS AND PROD, NEC-----	238,534	-----	238,534	-----	-----
2071 NITROGENOUS CHEM FERTILIZERS-----	7,586	1,373	-----	-----	6,213
2911 GASOLINE-----	57,725	-----	32,100	25,625	-----
2912 JET FUEL-----	88,079	-----	16,902	71,177	-----
2913 KEROSENE-----	2,103	-----	2,103	-----	-----
2914 DISTILLATE FUEL OIL-----	227,026	-----	197,917	29,109	-----
2915 RESIDUAL FUEL OIL-----	460,408	-----	415,634	42,317	2,457
2918 ASPHALT, TAR, AND PITCHES-----	74,896	-----	72,351	2,545	-----
2991 PETROLEUM AND COAL PROD, NEC-----	5,589	-----	-----	5,589	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,491	-----	-----	-----	1,491
TON-MILES, COASTWISE AND LAKEWISE, 23,407,274.					

CHICAGO, IL, DISTRICT

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

FREIGHT TRAFFIC, 1982--CONTINUED

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	INBOUND		OUTBOUND		UPBOUND	DOWNBOUND	THROUGH	
		UPBOUND	DOWNBOUND	UPBOUND	DOWNBOUND			UPBOUND	DOWNBOUND
TOTAL-----	41,550,030	5,997,720	207,110	1,319,413	22,216,202	5,200,222	2,595,207	2,236,563	1,777,601
0103 CORN-----	14,317,655	2,955		1,595	14,261,759		2,851		48,495
0106 BOROUM GRAINS-----	18,192				18,192				
0107 WHEAT-----	542,322	23,066		34,964	334,703	4,501	8,805	71,336	64,947
0111 SOYBEANS-----	3,755,118			3,003	3,672,754				79,361
0119 OILSEEDS, NEC-----	1,072				1,072				
0911 FRESH FISH, EXCEPT SHELLFISH-----	71		71						
1011 IRON ORE AND CONCENTRATES-----	45,647	1,398						44,249	
1051 ALUMINUM ORES, CONCENTRATES-----	39,301							39,301	
1061 MANGANESE ORES, CONCENTRATES-----	10,081							5,958	4,123
1091 NONFERROUS ORES, CONCENT, NEC-----	14,951	4,159			1,188			6,180	1,424
1121 COAL AND LIGNITE-----	4,434,252	611,125			58,936	3,155,058	309,183	294,703	5,247
1311 CRUDE PETROLEUM-----	361,299	34,004			312,310	14,985			
1411 LIMESTONE-----	4,423	1,588						2,835	
1442 SAND, GRAVEL, CRUSHED ROCK-----	3,149,682	51,561	3,045	957,327	18,577	1,598,369	520,803		
1451 CLAY-----	2,911	1,441						1,470	
1471 PHOSPHATE ROCK-----	2,885	2,885							
1493 SULPHUR, LIQUID-----	58,128				58,128				
1494 GYPSUM, CRUDE AND PLASTER-----	1,414	1,414							
1499 NONMETALLIC MINERALS, NEC-----	980,487	571,468	32,400		2,831		17,938	355,850	
2014 TALLOW, ANIMAL FATS AND OILS-----	113,160				76,597				36,563
2042 ANIMAL FEEDS-----	949,556	19,776			869,702		1,400		58,678
2049 GRAIN MILL PRODUCTS, NEC-----	159,259	3,374			148,441				7,444
2061 SUGAR-----	160,248	34,329						125,919	
2062 MOLASSES-----	83,489	66,356				1,430		15,703	
2091 VEGETABLE OILS, MARG, SHORT-----	39,869	18,744			10,918				10,207
2411 LOGS-----	6,050				6,050				
2421 LUMBER-----	13,703	12,355						1,348	
2431 VENEER, PLYWOOD, WORKED WOOD-----	5,367	5,367							
2611 PULP-----	34,060	26,200						7,860	
2621 STANDARD NEWSPRINT PAPER-----	4,102	4,102							
2631 PAPER AND PAPERBOARD-----	9,529	1,533						7,996	
2810 SODIUM HYDROXIDE-----	261,175	200,588			1,453			59,134	
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	75,964	17,789	3,360		45,040	1,693	8,082		
2813 ALCOHOLS-----	251,915	174,531			8,707	17,089	40,435	11,153	
2817 BENZENE AND TOLUENE-----	72,969	21,653	1,400		37,569	6,548	4,500		1,299
2818 SULPHURIC ACID-----	77,462	44,862	1,400		4,600	26,600			
2819 BASIC CHEMICALS AND PROD, NEC-----	1,398,450	1,257,058			36,540	13,710	9,848	81,294	
2871 NITROGENOUS CHEM FERTILIZERS-----	362,240	203,825		9,138	1,273	1,610		142,864	3,530
2872 POTASSIC CHEM FERTILIZERS-----	113,370	56,449	19,916						37,005
2873 PHOSPHATIC CHEM FERTILIZERS-----	35,797	15,315						20,482	
2879 FERTILIZER AND MATERIALS, NEC-----	250,373	219,794	4,524		3,123			2,932	
2891 MISCELLANEOUS CHEMICAL PROD-----	17,950				17,950				
2911 GASOLINE-----	658,802	323,782			137,128		164,171	2,564	31,157
2912 JET FUEL-----	73,153	53,862							19,291
2913 KEROSENE-----	10,452	2,800				5,700	1,952		
2914 DISTILLATE FUEL OIL-----	683,100	173,004	4,581	13,640	252,557	255,908	176,552		6,818
2915 RESIDUAL FUEL OIL-----	1,715,608	327,292	112,468		933,390	48,787	109,416		164,255
2916 LUBRICATING OILS AND GREASES-----	307,287	214,792			5,539		4,450		62,506
2917 NAPHTHA, PETROLEUM SOLVENTS-----	315,474	230,649	9,497		22,460	3,967	3,312	43,819	1,750
2918 ASPHALT, TAR, AND PITCHES-----	360,537	336,785			12,916				10,836
2920 COKE, PETROLEUM COKE-----	1,351,027	41,058		299,706	443,419	44,267	49,104	383,616	69,457
2991 PETROLEUM AND COAL PROD, NEC-----	46,922	40,754			3,548		2,620		
3211 GLASS AND GLASS PRODUCTS-----	2,983	2,983							
3241 BUILDING CEMENT-----	558,675	401,818			57,703			99,154	
3251 STRUCTURAL CLAY PRODUCTS-----	8,565							8,565	
3271 LIME-----	146,105	57,619					1,450	87,036	
3281 CUT STONE AND STONE PRODUCTS-----	2,824	2,824							
3291 MISC NONMETALLIC MINERAL PROD-----	1,350		1,350						
3311 PIG IRON-----	23,676	12,235						7,802	3,639
3312 SLAG-----	95,205				5,945			948	88,312
3314 IRON AND STEEL PRIMARY FORMS-----	59,196	6,165	800		10,521			18,204	23,504
3315 IRON, STEEL SHAPES, EXC SHEET-----	269,823	21,892	4,892		19,741			69,687	153,611
3316 IRON AND STEEL PLATES, SHEETS-----	395,995	20,386	1,356		53,454			24,460	294,339
3317 IRON AND STEEL PIPE AND TUBE-----	31,927	3,861						14,499	13,567
3318 FERROALLOYS-----	124,937	367						124,570	
3319 IRON AND STEEL PRODUCTS, NEC-----	159,788	5,379	2,027		5,278			10,039	117,065
3321 NONFERROUS METALS, NEC-----	5,459							4,731	728
3322 COPPER ALLOYS, UNWORKED-----	1,104							1,104	
3323 LEAD AND ZINC, UNWORKED-----	11,505	1,343						10,162	
3324 ALUMINUM AND ALLOYS, UNWORKED-----	1,567								1,567
3411 FABRICATED METAL PRODUCTS-----	16,491	1,704	1,311		608			3,290	9,578
3511 MACHINERY, EXCEPT ELECTRICAL-----	4,417	1,414			525			35	2,443
3611 ELECTRICAL MACH AND EQUIP-----	600				600				
3711 MOTOR VEHICLES, PARTS, EQUIP-----	590	590							
3791 MISC TRANSPORTATION EQUIPMENT-----	600								600
4011 IRON AND STEEL SCRAP-----	514,794	1,278	2,712		201,234		8,006	21,711	281,853
4029 WASTE AND SCRAP, NEC-----	1,193,552				41,223		1,152,329		

TON-MILES, INTERNAL, 8,197,056,166.

TONS, ALL TRAFFIC, 42,719,065.

TON-MILES, ALL TRAFFIC, 8,220,463,440.

Waterborne Commerce of the United States, 1982

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 ON CALUMET RIVER BRANCH.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	17,897,777	1978-----	20,715,602
1974-----	17,164,765	1979-----	18,418,640
1975-----	17,126,086	1980-----	16,898,932
1976-----	19,490,752	1981-----	18,374,900
1977-----	15,958,303	1982-----	12,303,783

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		LANEWISE		DOMESTIC		LOCAL
		OVERSEAS	CANADIAN	INTERNAL				
		IMPORTS	IMPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	12,303,783	24,910	369,038	9,259,757	1,585,866	377,251	657,773	29,188
0911 FRESH FISH, EXCEPT SMELFISH-----	8							8
1011 IRON ORE AND CONCENTRATES-----	7,876,085	17,519	364,796	7,493,770				
1061 MANGANESE ORES, CONCENTRATES-----	5,666		4,242			1,424		
1091 NONFERROUS ORES, CONCENT, NEC-----	6,823					6,823		
1121 COAL AND LIGNITE-----	21,748					21,748		
1411 LIMESTONE-----	1,540,685			1,540,685				
1451 CLAY-----	1,470					1,470		
1494 GYPSUM, CRUDE AND PLASTERS-----	31,753			31,753				
1499 NONMETALLIC MINERALS, NEC-----	13,024					13,024		
2611 PULP-----	3,930					3,930		
2617 BENZENE AND TOLUENE-----	2,968			1,669			1,299	
2671 NITROGENOUS CHEM FERTILIZERS-----	3,530						3,530	
2911 GASOLINE-----	596,166			3,709	558,736	2,564	31,157	
2912 JET FUEL-----	70,336				51,045		19,291	
2913 KEROSENE-----	2,103				2,103			
2914 DISTILLATE FUEL OIL-----	504,842			56,032	429,557	4,779	11,399	3,075
2915 RESIDUAL FUEL OIL-----	671,376			77,009	405,515		163,627	25,225
2916 LUBRICATING OILS AND GREASES-----	82,506						82,506	
2917 NAPHTHA, PETROLEUM SOLVENTS-----	4,778					4,778		
2918 ASPHALT, TAR, AND PITCHES-----	148,876			2,545	135,495		10,836	
2920 COKE, PETROLEUM COKE-----	300,400					270,182	30,218	
2991 PETROLEUM AND COAL PROD, NEC-----	5,589			5,589				
3251 STRUCTURAL CLAY PRODUCTS-----	8,565					8,565		
3312 SLAG-----	45,948			45,000		948		
3314 IRON AND STEEL PRIMARY FORMS-----	8,792	14				4,943	3,835	
3315 IRON, STEEL SHAPES, EXC SHEET-----	92,014				3,415	6,941	80,778	880
3316 IRON AND STEEL PLATES, SHEETS-----	159,383			750		4,103	154,530	
3317 IRON AND STEEL PIPE AND TUBE-----	11,371					9,809	1,562	
3318 FERROALLOYS-----	18,597	7,377				11,220		
3319 IRON AND STEEL PRODUCTS, NEC-----	37,070			1,246			35,824	
3411 FABRICATED METAL PRODUCTS-----	3,299						3,299	
4011 IRON AND STEEL SCRAP-----	24,082						24,082	

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
1973-----	5,520,080	1978-----	7,306,481
1974-----	6,053,763	1979-----	8,077,847
1975-----	6,092,656	1980-----	6,462,020
1976-----	5,512,721	1981-----	7,366,655
1977-----	4,569,677	1982-----	5,458,420

FREIGHT TRAFFIC, 1982

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
TOTAL-----	1,405,382	214,778	145,919	915,559	131,126
0103 CORN-----	95,296		67,951		27,345
0107 WHEAT-----	24,804				24,804
0111 SOYBEANS-----	17,208		17,208		
0134 COCOA BEANS-----	603	603			
0641 FOREST PRODUCTS, NEC-----	44				
1011 IRON ORE AND CONCENTRATES-----	765,964	71,150		694,814	
1499 NONMETALLIC MINERALS, NEC-----	150, 83			150,683	
2614 TALLOW, ANIMAL FATS AND OILS-----	2,031		2,031		

CHICAGO, IL, DISTRICT
BURNS WATERWAY HARBOR, IND.--CONTINUED
FREIGHT TRAFFIC, 1962--CONTINUED
FOREIGN--CONTINUED
(SHORT TONS)

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COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
2021 DAIRY PRODUCTS, NEC-----	11	-----	11	-----	-----
2022 DRIED MILK AND CREAM-----	566	-----	566	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	312	312	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	4,185	-----	4,185	-----	-----
2311 APPAREL-----	4	-----	4	-----	-----
2631 PAPER AND PAPERBOARD-----	20	20	-----	-----	-----
2711 PRINTED MATTER-----	33	33	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	2,677	2,557	120	-----	-----
2821 PLASTIC MATERIALS-----	67	45	22	-----	-----
2851 PAINTS-----	21	21	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	9,921	9,921	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	41,392	-----	-----	41,392	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	84	-----	84	-----	-----
2920 COKE, PETROLEUM COKE-----	78,677	-----	-----	-----	78,677
3314 IRON AND STEEL PRIMARY FORMS-----	29,123	2,140	26,983	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	103,970	103,970	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	17,128	2,961	14,167	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	2,510	2,510	-----	-----	-----
3318 FERROALLOYS-----	44,492	17,850	-----	26,642	-----
3321 NONFERROUS METALS, NEC-----	11	-----	11	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	379	73	6	-----	300
3611 ELECTRICAL MACH AND EQUIP-----	38	30	8	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	4	4	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	534	534	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	12,562	-----	12,562	-----	-----
4012 NONFERROUS METAL SCRAP-----	28	-----	-----	28	-----

DOMESTIC
(SHORT TONS)

COMMODITY	TOTAL	LAKEWIDE		INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	4,053,036	3,415,595	76,550	223,733	337,125	35
0911 FRESH FISH, EXCEPT SMELT/FISH-----	35	-----	-----	-----	-----	35
1011 IRON ORE AND CONCENTRATES-----	3,181,899	3,139,686	-----	42,213	-----	-----
1411 LIMESTONE-----	232,466	232,466	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	1,491	-----	-----	1,491	-----	-----
2421 LUMBER-----	1,348	-----	-----	1,348	-----	-----
2631 PAPER AND PAPERBOARD-----	7,996	-----	-----	7,996	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	170,762	-----	32,170	138,612	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	42,700	-----	-----	-----	42,700	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	15,726	-----	-----	15,726	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	4,524	-----	-----	-----	4,524	-----
2920 COKE, PETROLEUM COKE-----	16,213	-----	-----	-----	16,213	-----
3311 PIG IRON-----	9,237	-----	-----	5,598	3,639	-----
3312 SLAG-----	152,785	43,443	44,380	-----	64,962	-----
3314 IRON AND STEEL PRIMARY FORMS-----	10,770	-----	-----	-----	10,770	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	26,334	-----	-----	-----	26,334	-----
3316 IRON AND STEEL PLATES, SHEETS-----	118,640	-----	-----	-----	118,640	-----
3318 FERROALLOYS-----	10,714	-----	-----	10,714	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	38,768	-----	-----	-----	38,768	-----
3411 FABRICATED METAL PRODUCTS-----	1,311	-----	-----	-----	1,311	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	35	-----	-----	35	-----	-----
4011 IRON AND STEEL SCRAP-----	9,264	-----	-----	-----	9,264	-----
TONS, ALL TRAFFIC,-----	5,458,420.	-----	-----	-----	-----	-----

Waterborne Commerce of the United States, 1982

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	PASSENGERS
PROJECT			
MICHIGAN CITY HARBOR, IND.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	112	-----
NAUKESAN HARBOR, ILL.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	36	-----
	3241 BUILDING CEMENT-----	113,997	-----
	TOTAL-----	114,033	-----
NONPROJECT			
BUFFINGTON HARBOR, IND.-----	1051 ALUMINUM ORES, CONCENTRATES-----	37,856	-----
	1411 LIMESTONE-----	520,441	-----
	2920 COKE, PETROLEUM COKE-----	36,288	-----
	TOTAL-----	602,585	-----
GARY HARBOR, IND.-----	1011 IRON ORE AND CONCENTRATES-----	4,916,783	-----
	1061 MANGANESE ORES, CONCENTRATES-----	5,633	-----
	1411 LIMESTONE-----	679,604	-----
	1499 NONMETALLIC MINERALS, NEC-----	4,000	-----
	2920 COKE, PETROLEUM COKE-----	23,030	-----
	3312 SLAG-----	251,598	-----
	3314 IRON AND STEEL PRIMARY FORMS-----	7,088	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	24,543	-----
	3316 IRON AND STEEL PLATES, SHEETS-----	26,926	-----
	3318 FERROALLOYS-----	40,700	-----
	3319 IRON AND STEEL PRODUCTS, NEC-----	49,143	-----
	3411 FABRICATED METAL PRODUCTS-----	3,700	-----
	4011 IRON AND STEEL SCRAP-----	95,603	-----
	TOTAL-----	6,130,439	-----

DETROIT, MI, DISTRICT

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KEWEENAW WATERWAY, MICH.

SECTION INCLUDED: FROM PORTAGE ENTRY, KEWEENAW BAY THROUGH PORTAGE RIVER, TORCH LAKE, PORTAGE LAKE, AND DREDGED CANALS TO THE UPPER ENTRY, LAKE SUPERIOR, INCLUDING PORTS OF TORCH LAKE, DOLLAR BAY, HOUGHTON, HANCOCK AND SHORELINE. CONTROLLING DEPTH: 25 FEET EXCEPT FOR SCATTERED 1-2 FOOT SHOALS ALONG THE EDGE OF THE INNER CHANNEL NEAR THE UPPER ENTRY. PROJECT DEPTH: 20 FEET IN LAKE APPROACH AT PORTAGE ENTRY DIMINISHING TO 25 FEET IN INNER CHANNELS AND 32 FEET IN LAKE APPROACH AT UPPER ENTRY DIMINISHING TO 25 FEET IN CHANNELS. NAVIGATION SEASON: APRIL 20 TO DECEMBER 2.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	229,425	7,323	1978-----	252,101	4,708
1974-----	290,326	5,368	1979-----	208,424	-----
1975-----	258,209	5,027	1980-----	186,681	11,686
1976-----	236,427	4,772	1981-----	242,471	12,097
1977-----	264,203	4,496	1982-----	295,920	6,043

FREIGHT TRAFFIC, 1982

DOMESTIC (SHORT TONS)

COMMODITY	TOTAL	LAKEWISE		INTERNAL	
		RECEIPTS	SHIPMENTS	THROUGH EASTBOUND	EASTBOUND
TOTAL-----	295,920	165,199	8,759	121,688	74
0102 BARLEY AND RYE-----	17,685	-----	-----	17,685	-----
0107 WHEAT-----	88,871	-----	-----	88,871	-----
0011 FRESH FISH, EXCEPT SHELLFISH-----	74	-----	-----	-----	74
1121 COAL AND LIGNITE-----	130,265	134,249	-----	-----	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	630	-----	630	-----	-----
2000 MISCELLANEOUS FOOD PRODUCTS-----	218	2	216	-----	-----
2421 LUMBER-----	292	-----	292	-----	-----
2911 GASOLINE-----	15,099	14,944	155	-----	-----
2914 DISTILLATE FUEL OIL-----	16,844	10,911	5,933	-----	-----
2919 RESIDUAL FUEL OIL-----	15,332	-----	-----	15,332	-----
3241 BUILDING CEMENT-----	100	-----	100	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	300	-----	300	-----	-----
3411 FARRICATED METAL PRODUCTS-----	200	-----	200	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	595	350	245	-----	-----
3731 SHIPS AND BOATS-----	387	189	198	-----	-----
4011 IRON AND STEEL SCRAP-----	100	100	-----	-----	-----
4112 COMMODITIES, NEC-----	928	438	490	-----	-----

PRESQUE ISLE HARBOR, MICH.

SECTION INCLUDED: ENTIRE HARBOR. CONTROLLING AND PROJECT DEPTHS: 30 FEET IN APPROACH AND 28 FEET IN BASIN. NAVIGATION SEASON: MARCH 31 TO JANUARY 21.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	3,740,726	1978-----	7,956,888
1974-----	3,118,370	1979-----	8,121,744
1975-----	3,846,960	1980-----	7,891,252
1976-----	6,840,553	1981-----	8,119,940
1977-----	5,215,296	1982-----	3,363,535

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN CANADIAN		DOMESTIC LAKEWISE	
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	3,363,535	87,650	1,302,377	1,086,860	886,648
1011 IRON ORE AND CONCENTRATES-----	2,246,787	57,762	1,302,377	-----	886,648
1121 COAL AND LIGNITE-----	1,086,860	-----	-----	1,086,860	-----
1400 NONMETALLIC MINERALS, NEC-----	6,348	6,188	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	23,500	23,500	-----	-----	-----

Waterborne Commerce of the United States, 1982

ST. MARYS RIVER, MICH.

SECTION INCLUDED: ENTIRE LENGTH OF ST. MARYS RIVER FROM LAKE SUPERIOR TO LAKE HURON, 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	29.0
POINT IROQUOIS ANCHORAGE AREAS-----	29.0	21.0
RIRCH POINT COURSE-----	2A, 0-30.0	30.0
BRUSH POINT COURSE-----	2A, 0-30.0	
POINT LOUISE CHANNEL-----	2A.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 NEEBISH CHANNEL-----	27.0-28.0	27.0
WEST NEEBISH CHANNEL-----	27.5-28.5	27.5
LAKE MUNUSCONG CHANNEL-----	28.0	28.0
LIME ISLAND CHANNEL-----	29.0	29.0
DETOUR PASSAGE-----	30.0	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
1973-----	3,127,401	552,310	98,469,926		97,597,327	552,310
1974-----	3,239,472	565,752	83,561,966		86,801,438	565,752
1975-----	2,562,671	588,223	75,590,828		78,153,499	588,223
1976-----	2,705,825	634,731	76,224,912	1,774	78,930,737	636,505
1977-----	2,261,497	584,620	58,060,526		58,322,023	584,620
1978-----	2,736,133	580,493	88,025,435		90,761,568	580,493
1979-----	2,198,618	474,830	88,842,348		91,040,966	474,830
1980-----	1,559,355	588,370	72,750,692	17,852	74,310,047	606,222
1981-----	1,584,584	688,605	74,793,198		76,377,782	688,605
1982-----	917,407	697,601	42,545,216		43,462,623	697,601

FREIGHT TRAFFIC, 1982

UPBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS		
		FOREIGN		DOMESTIC	FOREIGN		DOMESTIC
		OVERSEAS	CANADIAN	LAKENISE	CANADIAN	LAKENISE	OTHER
TOTAL-----	4,459,503	52,733	1,851,298	2,413,468	68,146	73,324	114
0133 COFFEE-----	42	42					
0911 FRESH FISH, EXCEPT SHELLFISH-----	114						114
1011 IRON ORE AND CONCENTRATES-----	102,605		102,605				
1121 COAL AND LIGNITE-----	2,508,540		1,174,819	1,310,779		22,942	
1411 LIMESTONE-----	1,095,893		360,400	675,644	59,849		
1442 SAND, GRAVEL, CRUSHED ROCK-----	4,500		4,500				
1499 NONMETALLIC MINERALS, NEC-----	94,588		81,798	12,790			
2081 ALCOHOLIC BEVERAGES-----	23	21	2				
2211 BASIC TEXTILE PRODUCTS-----	8,596	8,596					
2691 PULP AND PAPER PRODUCTS, NEC-----	1	1					
2810 SODIUM HYDROXIDE-----	10,896			10,896			
2819 BASIC CHEMICALS AND PRDD, NEC-----	7,853	68		7,785			
2911 GASOLINE-----	64,625		8,729	14,944	8,337	32,615	
2914 DISTILLATE FUEL OIL-----	28,641			10,874		17,767	
2920 COKE, PETROLEUM COKE-----	48,284		32,628	15,656			
3241 BUILDING CEMENT-----	440,297		85,817	354,480			
3315 IRON, STEEL SHAPES, EXC SHEET-----	18,661	18,661					
3316 IRON AND STEEL PLATES, SHEETS-----	12,499	12,499					
3317 IRON AND STEEL PIPE AND TUBE-----	12,455	12,455					
3324 ALUMINUM AND ALLOYS, UNWORKED-----	27	27					
3411 FABRICATED METAL PRODUCTS-----	91	91					
3511 MACHINERY, EXCEPT ELECTRICAL-----	249	249					
4112 COMMODITIES, NEC-----	23	23					

DOWNBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS		
		FOREIGN		DOMESTIC	FOREIGN		DOMESTIC
		OVERSEAS	CANADIAN	LAKENISE	OVERSEAS	CANADIAN	LAKENISE
TOTAL-----	39,003,120	3,512,800	4,571,610	30,142,927	33	95,246	680,481
0102 BARLEY AND RYE-----	530,260	357,164	64,659	108,237			
0103 CORN-----	81,184	55,004	26,180				
0104 OATS-----	2,496	2,496					

DETROIT, MI, DISTRICT

ST. MARYS RIVER, MICH.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

DOWNBOUND--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC	FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKEWISE	OVERSEAS	CANADIAN	LAKEWISE	OTHER
0106 SORGHUM GRAINS-----	5,732	5,732						
0107 WHEAT-----	4,313,177	1,701,869	1,253,586	1,357,722				
0119 OILSEEDS, NEC-----	1,287,575	1,287,575						
0141 FRESH AND FROZEN VEGETABLES-----	2,783	2,783						
0911 FRESH FISH, EXCEPT SHELLFISH-----	23							23
1011 IRON ORE AND CONCENTRATES-----	27,538,677		1,891,819	25,646,858				
1121 COAL AND LIGNITE-----	3,001,376			3,001,376				
1411 LIMESTONE-----	772,170					95,246	676,924	
1451 CLAY-----	54,536	4,369	50,167					
1499 NONMETALLIC MINERALS, NEC-----	7,937		7,937					
2022 DRIED MILK AND CREAM-----	8,021	8,021						
2041 WHEAT FLOUR AND SEMOLINA-----	1,682	1,682						
2042 ANIMAL FEEDS-----	20,428	20,428						
2049 GRAIN MILL PRODUCTS, NEC-----	46,825	46,825						
2431 VENEER, PLYWOOD, WORKED WOOD-----	946		946					
2491 WOOD MANUFACTURES, NEC-----	2,005	481	1,524					
2611 PULP-----	4,068		4,068					
2819 BASIC CHEMICALS AND PROD, NEC-----	4	4						
2873 PHOSPHATIC CHEM FERTILIZERS-----	1,225,526		1,225,526					
2914 DISTILLATE FUEL OIL-----	5,771		5,771					
2915 RESIDUAL FUEL OIL-----	26,520		22,963				3,557	
2920 COKE, PETROLEUM COKE-----	13,941		13,941					
3511 IRON AND STEEL PRIMARY FORMS-----	1,599		1,599					
3515 IRON, STEEL SHAPES, EXC SHEET-----	3,965		3,965					
3511 MACHINERY, EXCEPT ELECTRICAL-----	72	2	37		33			
4011 IRON AND STEEL SCRAP-----	43,747	18,291	25,456					
4012 NONFERROUS METAL SCRAP-----	71	71						
4112 COMMODITIES, NEC-----	3	3						

TONS, ALL TRAFFIC, 43,462,623.

TON-MILES, ALL TRAFFIC, 2,609,320,190.

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: SABIN 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
1973-----	94,071,821	155,792	1978-----	88,634,889	156,476
1974-----	83,302,741	144,176	1979-----	90,499,485	113,074
1975-----	75,225,477	145,544	1980-----	75,048,943	106,666
1976-----	76,739,521	155,780	1981-----	77,022,752	116,532
1977-----	56,302,020	152,082	1982-----	43,824,736	105,186

FREIGHT TRAFFIC, 1982

EASTBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			
		FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKEWISE	OTHER
TOTAL-----	39,792,120	3,512,800	6,136,370	30,142,927	23
0102 BARLEY AND RYE-----	530,260	357,164	64,859	108,237	
0103 CORN-----	81,144	55,004	26,180		
0104 OATS-----	2,496	2,496			
0106 SORGHUM GRAINS-----	5,732	5,732			
0107 WHEAT-----	4,313,177	1,701,869	1,253,586	1,357,722	
0119 OILSEEDS, NEC-----	1,287,575	1,287,575			
0141 FRESH AND FROZEN VEGETABLES-----	2,783	2,783			
0911 FRESH FISH, EXCEPT SHELLFISH-----	23				23
1011 IRON ORE AND CONCENTRATES-----	29,142,394		3,495,536	25,646,858	
1121 COAL AND LIGNITE-----	3,001,376			3,001,376	
1451 CLAY-----	54,536	4,369	50,167		
1499 NONMETALLIC MINERALS, NEC-----	8,021	8,021			
2022 DRIED MILK AND CREAM-----	1,682	1,682			
2041 WHEAT FLOUR AND SEMOLINA-----	20,428	20,428			
2042 ANIMAL FEEDS-----	46,825	46,825			
2049 GRAIN MILL PRODUCTS, NEC-----	946		946		
2431 VENEER, PLYWOOD, WORKED WOOD-----	2,005	481	1,524		
2491 WOOD MANUFACTURES, NEC-----	4,068		4,068		
2611 PULP-----	4	4			
2819 BASIC CHEMICALS AND PROD, NEC-----	1,225,526		1,225,526		
2873 PHOSPHATIC CHEM FERTILIZERS-----	5,771		5,771		
2914 DISTILLATE FUEL OIL-----	22,963		22,963		
2915 RESIDUAL FUEL OIL-----	13,941		13,941		
2920 COKE, PETROLEUM COKE-----	39	2	37		
3511 MACHINERY, EXCEPT ELECTRICAL-----	18,291	18,291			
4011 IRON AND STEEL SCRAP-----	71	71			
4012 NONFERROUS METAL SCRAP-----	3	3			
4112 COMMODITIES, NEC-----					

Waterborne Commerce of the United States, 1982

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

FREIGHT TRAFFIC, 1982--CONTINUED

WESTBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC		
		FOREIGN		DOMESTIC
		OVERSEAS	CANADIAN	LAKEWISE
TOTAL-----	4,032,616	52,733	1,566,035	2,413,848
0133 COFFEE-----	42	42		
1011 IRON ORE AND CONCENTRATES-----	57,762		57,762	
1121 COAL AND LIGNITE-----	2,485,594		1,170,419	1,310,779
1411 LIMESTONE-----	795,624		119,980	675,644
1442 SAND, GRAVEL, CRUSHED ROCK-----	4,500		4,500	
1499 NONMETALLIC MINERALS, NEC-----	94,588		81,794	12,790
2001 ALCOHOLIC BEVERAGES-----	23	21		2
2211 BASIC TEXTILE PRODUCTS-----	4,596	8,596		
2691 PULP AND PAPER PRODUCTS, NEC-----	1	1		
2810 SODIUM HYDROXIDE-----	10,894			10,896
2819 BASIC CHEMICALS AND PROD, NEC-----	7,853	68		7,785
2911 GASOLINE-----	23,673		8,724	14,944
2914 DISTILLATE FUEL OIL-----	10,474			10,474
2920 COKE, PETROLEUM COKE-----	44,284		32,628	15,656
3241 BUILDING CEMENT-----	440,297		85,417	354,480
3315 IRON, STEEL SHAPES, EXC SHEET-----	18,661	18,661		
3316 IRON AND STEEL PLATES, SHEETS-----	12,499	12,499		
3317 IRON AND STEEL PIPE AND TUBE-----	12,455	12,455		
3324 ALUMINUM AND ALLOYS, UNWORKED-----	27	27		
3411 FABRICATED METAL PRODUCTS-----	91	91		
3511 MACHINERY, EXCEPT ELECTRICAL-----	249	249		
4112 COMMODITIES, NEC-----	23	23		
TONS, ALL TRAFFIC, 43,824,736.				

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
1973-----	2,732,803	114,767	1978-----	2,578,354	43,263
1974-----	2,909,592	131,444	1979-----	2,047,047	66,805
1975-----	2,341,074	113,374	1980-----	1,449,324	218,026
1976-----	2,511,365	123,551	1981-----	1,478,847	239,218
1977-----	2,131,597	86,367	1982-----	614,730	205,456

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC	
		CANADIAN	LAKEWISE	
		EXPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	614,730	134,655	3,151	676,924
1411 LIMESTONE-----	611,579	134,655		676,924
2914 DISTILLATE FUEL OIL-----	3,151		3,151	

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
1973-----	7,487,628		1978-----	6,542,477	948
1974-----	5,741,092		1979-----	7,690,697	
1975-----	5,467,947		1980-----	6,020,552	
1976-----	5,499,432	6	1981-----	5,194,410	
1977-----	5,374,680		1982-----	3,791,447	

DETROIT, MI, DISTRICT

GRAYS REEF PASSAGE, MICH.--CONTINUED

FREIGHT TRAFFIC, 1982

(SHORT TONS)

25

COMMODITY	TOTAL	THROUGH TRAFFIC				
		OVERSEAS	FOREIGN		DOMESTIC	
			NORTHBOUND	SOUTHBOUND	NORTHBOUND	SOUTHBOUND
TOTAL-----	3,791,847	1,260,398	1,205,821	20,961	1,101,849	202,418
0103 CORN-----	891,520	274,864	616,656			
0104 OATS-----	262	262				
0107 WHEAT-----	42,804	18,000	24,804			
0111 SOYBEANS-----	148,594	92,014	56,580			
0131 FRESH FRUITS-----	1	1				
0161 ANIMALS AND PRODUCTS, NEC-----	7,827	7,827				
0191 MISCELLANEOUS FARM PRODUCTS-----	19	19				
0911 FRESH FISH, EXCEPT SMELTFISH-----	10	10				
0912 SMELTFISH, EXCEPT PREPARED-----	39	39				
1121 COAL AND LIGNITE-----	350,260	11,884			151,032	187,344
1411 LIMESTONE-----	20,961			20,961		
1442 SAND, GRAVEL, CRUSHED ROCK-----	326,852				326,852	
1451 CLAY-----	73,537	73,537				
1499 NONMETALLIC MINERALS, NEC-----	19,622		19,622			
2011 MEAT, FRESH, CHILLED, FROZEN-----	21,745	21,745				
2012 MEAT AND PRODUCTS, NEC-----	24	24				
2014 TALLOW, ANIMAL FATS AND OILS-----	19,498	19,498				
2021 DAIRY PRODUCTS, NEC-----	15	15				
2022 DRIED MILK AND CREAM-----	26,890	26,890				
2039 PREP FRUIT AND VEG JUICE, NEC-----	7	7				
2041 WHEAT FLOUR AND SEMOLINA-----	37,568	37,568				
2042 ANIMAL FEEDS-----	44	44				
2049 GRAIN MILL PRODUCTS, NEC-----	153,291	153,291				
2081 ALCOHOLIC BEVERAGES-----	20	20				
2091 VEGETABLE OILS, MARG, SHORT-----	10,991	10,991				
2099 MISCELLANEOUS FOOD PRODUCTS-----	3,958	3,958				
2211 BASIC TEXTILE PRODUCTS-----	43	43				
2311 APPAREL-----	1,236	1,236				
2411 LOGS-----	70	70				
2421 LUMBER-----	38	38				
2431 VENEER, PLYWOOD, WORKED WOOD-----	44	44				
2511 FURNITURE AND FIXTURES-----	19	19				
2631 PAPER AND PAPERBOARD-----	163	163				
2711 PRINTED MATTER-----	160	160				
2812 DYES, PIGMENT, TANNING MATS-----	2	2				
2819 BASIC CHEMICALS AND PROD, NEC-----	9,499	1,714			7,785	
2821 PLASTIC MATERIALS-----	90	90				
2831 DRUGS-----	314	314				
2841 SOAP-----	90	90				
2871 NITROGENOUS CHEM FERTILIZERS-----	10,401	73			10,328	
2876 INSECTICIDES, DISINFECTANTS-----	37	37				
2891 MISCELLANEOUS CHEMICAL PROD-----	98	98				
2911 GASOLINE-----	219,112				212,164	6,948
2912 JET FUEL-----	32,669				32,669	
2914 DISTILLATE FUEL OIL-----	68,242				60,116	8,126
2916 LUBRICATING OILS AND GREASES-----	18	18				
2918 ASPHALT, TAR, AND PITCHES-----	63,144				63,144	
2920 COKE, PETROLEUM COKE-----	802,177	263,279	484,740		54,158	
2921 LIQUEFIED GASES-----	180	180				
2991 PETROLEUM AND COAL PROD, NEC-----	1	1				
3011 RUBBER AND MISC PLASTIC PROD-----	10	10				
3211 GLASS AND GLASS PRODUCTS-----	7	7				
3241 BUILDING CEMENT-----	163,601				163,601	
3251 STRUCTURAL CLAY PRODUCTS-----	419	419				
3291 MISC NONMETALLIC MINERAL PROD-----	114	114				
3314 IRON AND STEEL PRIMARY FORMS-----	26,983	26,983				
3315 IRON, STEEL SHAPES, EXC SHEET-----	386	386				
3316 IRON AND STEEL PLATES, SHEETS-----	32,934	32,934				
3319 IRON AND STEEL PRODUCTS, NEC-----	2,567	64	2,503			
3321 NONFERROUS METALS, NEC-----	40	40				
3322 COPPER ALLOYS, UNWORKED-----	21	21				
3323 LEAD AND ZINC, UNWORKED-----	18	18				
3324 ALUMINUM AND ALLOYS, UNWORKED-----	9	9				
3411 FABRICATED METAL PRODUCTS-----	210	210				
3511 MACHINERY, EXCEPT ELECTRICAL-----	10,816	10,108	708			
3611 ELECTRICAL MACH AND EQUIP-----	1,524	1,316	208			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,291	1,291				
3721 AIRCRAFT AND PARTS-----	5	5				
3731 SHIPS AND BOATS-----	4	4				
3791 MISC TRANSPORTATION EQUIPMENT-----	3,494	3,494				
3811 INSTR, TIME, PHOTO, OPT GOODS-----	200	200				
3911 MISC MANUFACTURED PRODUCTS-----	363	363				
4011 IRON AND STEEL SCRAP-----	158,237	158,237				
4012 NONFERROUS METAL SCRAP-----	317	317				
4022 TEXTILE WASTE, SCRAP, SWEEP-----	100	100				
4112 COMMODITIES, NEC-----	1,355	1,355				
9999 DEPARTMENT OF DEFENSE AND SCI-----	2,264	2,264				

Waterborne Commerce of the United States, 1982

TRAVERSE CITY HARBOR, MICH.

SECTION INCLUDED: CITY OF TRAVERSE CITY AND THE RAY 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
1973-----	422,447	1978-----	426,212
1974-----	405,158	1979-----	318,194
1975-----	364,777	1980-----	323,314
1976-----	398,277	1981-----	391,147
1977-----	430,666	1982-----	310,805

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	LAKEWISE	
	RECEIPTS	
TOTAL-----		310,805
1121 COAL AND LIGNITE-----		45,710
2911 GASOLINE-----		196,283
2914 DISTILLATE FUEL OIL-----		68,812

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
1973-----	1,176,446	15,076	1978-----	542,449	28,451
1974-----	801,645	13,021	1979-----	1,397,288	16,105
1975-----	644,659	14,077	1980-----	944,526	24,391
1976-----	433,067	13,410	1981-----	1,351,245	22,512
1977-----	365,681	17,449	1982-----	278,457	1,607

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE	
		RECEIPTS	SHIPMENTS
TOTAL-----	278,457	204,095	72,362
0104 OATS-----	240	240	-----
0129 FIELD CROPS, NEC-----	160	-----	160
0141 FRESH AND FROZEN VEGETABLES-----	1,105	1,105	-----
1121 COAL AND LIGNITE-----	5,915	-----	5,915
1451 CLAY-----	15,480	3,192	12,288
1471 PHOSPHATE ROCK-----	185	185	-----
1499 NONMETALLIC MINERALS, NEC-----	639	547	92
2011 MEAT, FRESH, CHILLED, FROZEN-----	1,205	325	880
2012 MEAT AND PRODUCTS, NEC-----	360	360	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	251	251	-----
2021 DAIRY PRODUCTS, NEC-----	1,121	1,070	51
2022 DRIED MILK AND CREAM-----	1,604	1,224	385
2031 FISH AND SHELLFISH, PREPARED-----	235	-----	235
2034 VEGETABLES AND PREP, NEC-----	16,632	14,772	860
2039 PREP FRUIT AND VEG JUICE, NEC-----	4,415	4,415	-----
2041 WHEAT FLOUR AND SEMOLINA-----	2,470	2,470	-----
2049 GRAIN MILL PRODUCTS, NEC-----	1,895	1,895	-----
2061 SUGAR-----	824	824	-----
2081 ALCOHOLIC BEVERAGES-----	40	40	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,270	1,270	-----
2421 LUMBER-----	2,067	2,067	-----
2431 VENEER, PLYWOOD, HOMED WOOD-----	36,071	36,011	60
2491 WOOD MANUFACTURES, NEC-----	2,525	2,379	146
2511 FURNITURE AND FIXTURES-----	42	42	-----
2611 PULP-----	3,102	2,911	191
2621 STANDARD NEWSPRINT PAPER-----	13,706	13,568	138
2631 PAPER AND PAPERBOARD-----	17,330	12,586	4,744
2691 PULP AND PAPER PRODUCTS, NEC-----	4,765	4,765	-----
2810 SODIUM HYDROXIDE-----	6,700	6,700	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	23,500	23,500	-----
2821 PLASTIC MATERIALS-----	2,897	2,366	531
2822 SYNTHETIC RUBBER-----	1,020	620	200
2851 PAINTS-----	83	83	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	6,500	3,800	2,700
2872 POTASSIC CHEM FERTILIZERS-----	14,693	14,693	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	989	-----	989
2876 INSECTICIDES, DISINFECTANTS-----	92	-----	92
2879 FERTILIZER AND MATERIALS, NEC-----	92	-----	92

DETROIT, MI, DISTRICT

FRANKFORT HARBOR, MICH.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE	
		RECEIPTS	SHIPMENTS
2891 MISCELLANEOUS CHEMICAL PROD-----	35,165	34,838	327
2916 LUBRICATING OILS AND GREASES-----	112	-----	112
2991 PETROLEUM AND COAL PROD, NEC-----	100	100	-----
3011 RUBBER AND MISC PLASTIC PROD-----	1,800	1,100	700
3241 BUILDING CEMENT-----	4,235	-----	4,235
3251 STRUCTURAL CLAY PRODUCTS-----	10,563	5,655	4,908
3291 MISC NONMETALLIC MINERAL PROD-----	299	290	9
3311 PIG IRON-----	95	95	-----
3314 IRON AND STEEL PRIMARY FORMS-----	825	-----	825
3315 IRON, STEEL SHAPES, EXC SHEET-----	9,253	1,746	8,207
3316 IRON AND STEEL PLATES, SHEETS-----	9,940	-----	9,940
3317 IRON AND STEEL PIPE AND TUBE-----	9,814	-----	9,814
3321 NONFERROUS METALS, NEC-----	426	426	-----
3322 COPPER ALLOYS, UNWORKED-----	173	173	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	792	792	-----
3411 FABRICATED METAL PRODUCTS-----	175	-----	175
3511 MACHINERY, EXCEPT ELECTRICAL-----	55	-----	55
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,454	-----	1,454
3791 MISC TRANSPORTATION EQUIPMENT-----	115	24	87
3911 MISC MANUFACTURED PRODUCTS-----	171	56	115
4022 TEXTILE WASTE, SCRAP, SHEEP-----	70	-----	70
4024 PAPER WASTE AND SCRAP-----	580	-----	580

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: 18 FEET TO PERE MARQUETTE LAKE. NAVIGATION SEASON: APRIL 2 TO DECEMBER 31.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	2,541,739	179,055	1978-----	2,397,920	110,006
1974-----	2,178,835	188,426	1979-----	2,744,888	133,765
1975-----	2,123,507	149,251	1980-----	2,129,001	136,272
1976-----	2,336,774	156,218	1981-----	1,762,302	85,668
1977-----	2,448,983	169,871	1982-----	1,190,794	86,515

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE		LOCAL
		RECEIPTS	SHIPMENTS	
TOTAL-----	1,190,794	546,730	644,057	7
0129 FIELD CROPS, NEC-----	905	905	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	7	-----	-----	7
1011 IRON ORE AND CONCENTRATES-----	670	670	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	886	-----	886	-----
1121 COAL AND LIGNITE-----	2,910	-----	2,910	-----
1411 LIMESTONE-----	364,021	364,021	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	189,438	-----	189,438	-----
1499 NONMETALLIC MINERALS, NEC-----	42,752	-----	42,752	-----
2021 DAIRY PRODUCTS, NEC-----	6,391	6,391	-----	-----
2022 DRIED MILK AND CREAM-----	200	200	-----	-----
2034 VEGETABLES AND PREP, NEC-----	3,599	3,172	427	-----
2041 WHEAT FLOUR AND SEMOLINA-----	580	580	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	19,871	6,149	11,722	-----
2415 PULPWOOD, LOG-----	12,199	6,700	5,499	-----
2416 WOOD CHIPS, STAVES, HOLDINGS-----	2,853	300	2,553	-----
2421 LUMBER-----	6,244	3,432	2,812	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	9,826	9,826	-----	-----
2491 WOOD MANUFACTURES, NEC-----	4,535	4,535	-----	-----
2631 PAPER AND PAPERBOARD-----	117,904	96,657	19,249	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	265,008	-----	265,008	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	42,069	12,666	29,403	-----
2915 RESIDUAL FUEL OIL-----	7,245	7,245	-----	-----
3411 FABRICATED METAL PRODUCTS-----	246	-----	246	-----
3911 MISC MANUFACTURED PRODUCTS-----	90,433	14,241	71,152	-----

Waterborne Commerce of the United States, 1982

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 DEPTHS: VARYING FROM 29.0 FEET AT HARBOR ENTRANCE TO 28 FEET BETWEEN BREAKWATERS AND 27 FEET IN INNER CHANNEL. NAVIGATION SEASON: APRIL 1 TO DECEMBER 31.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	2,922,730	-----	1978-----	1,952,476	-----
1974-----	2,900,138	-----	1979-----	1,906,688	-----
1975-----	945,311	-----	1980-----	1,235,315	-----
1976-----	277,826	-----	1981-----	1,158,499	-----
1977-----	972,629	-----	1982-----	1,153,336	-----

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKENISE	LOCAL
		IMPORTS	IMPORTS	RECEIPTS	
TOTAL-----	1,153,336	10,509	34,845	1,107,856	126
0011 FRESH FISH, EXCEPT SHELLFISH-----	126	-----	-----	-----	126
1121 COAL AND LIGNITE-----	1,007,732	-----	-----	1,007,732	-----
1499 NONMETALLIC MINERALS, NEC-----	22,630	-----	22,630	-----	-----
2071 NITROGENOUS CHEM FERTILIZERS-----	17,015	-----	-----	17,015	-----
2911 GASOLINE-----	30,452	-----	6,239	24,213	-----
2914 DISTILLATE FUEL OIL-----	11,718	-----	5,976	5,742	-----
3241 BUILDING CEMENT-----	53,154	-----	-----	53,154	-----
3310 FERRONALLOYS-----	10,509	10,509	-----	-----	-----

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 5 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
1973-----	2,504,551	1978-----	701,717
1974-----	2,215,873	1979-----	1,009,966
1975-----	1,138,133	1980-----	585,202
1976-----	830,858	1981-----	430,087
1977-----	499,510	1982-----	479,311

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		CANADIAN		LAKENISE	
		IMPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	479,311	84,640	213,988	180,683	
1121 COAL AND LIGNITE-----	86,732	-----	86,732	-----	
1411 LIMESTONE-----	68,274	-----	68,274	-----	
1442 SAND, GRAVEL, CRUSHED ROCK-----	180,683	-----	-----	180,683	
1499 NONMETALLIC MINERALS, NEC-----	61,140	61,140	-----	-----	
2873 PHOSPHATIC CHEM FERTILIZERS-----	23,500	23,500	-----	-----	
3312 SLAG-----	58,982	-----	58,982	-----	

ST. JOSEPH HARBOR, MICH.

SECTION INCLUDED: ENTRANCE CHANNEL AND LOWER PORTION OF ST. JOSEPH RIVER TO AND INCLUDING BENTON HARBOR CANAL. CONTROLLING DEPTHS: 24 FEET AT ENTRANCE; 24 FEET BETWEEN ENTRANCE PIERS AND IN THE RIVER TO THE MOUTH OF THE PAN PAW 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 PAW 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
1973-----	465,417	1978-----	320,633
1974-----	433,073	1979-----	443,895
1975-----	244,963	1980-----	445,889
1976-----	295,066	1981-----	429,216
1977-----	308,441	1982-----	270,254

DETROIT, MI, DISTRICT

ST. JOSEPH HARBOR, MICH.--CONTINUED

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE	
		RECEIPTS	SHIPMENTS
TOTAL-----	270,254	236,112	34,142
1411 LIMESTONE-----	102,601	102,601	-----
1499 NONMETALLIC MINERALS, NEC-----	5,050	5,050	-----
2915 RESIDUAL FUEL OIL-----	34,142	-----	34,142
3241 BUILDING CEMENT-----	88,215	88,215	-----
3271 LIME-----	9,646	9,646	-----
3312 SLAG-----	30,600	30,600	-----

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 BURHAM 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 BURHAM CANALS.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	5,635,524	144,142	1978-----	4,497,949	113,381
1974-----	4,263,862	150,931	1979-----	4,679,800	101,606
1975-----	3,508,683	106,260	1980-----	4,079,506	97,681
1976-----	3,546,707	115,442	1981-----	3,000,454	72,494
1977-----	3,946,382	116,455	1982-----	2,249,033	88,184

FREIGHT TRAFFIC, 1982

FOREIGN

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
TOTAL-----	1,097,613	44,156	471,973	338,556	242,928
0102 BARLEY AND RYE-----	15,860	-----	-----	15,860	-----
0103 CORN-----	401,771	-----	159,251	-----	242,520
0107 WHEAT-----	2,550	-----	2,550	-----	-----
0121 TOBACCO, LEAF-----	1	1	-----	-----	-----
0129 FIELD CROPS, NEC-----	42	42	-----	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	19	-----	19	-----	-----
0861 FOREST PRODUCTS, NEC-----	76	76	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	75	71	-----	-----	4
1499 NONMETALLIC MINERALS, NEC-----	236,009	-----	-----	236,009	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	1,045	-----	1,045	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	19	-----	19	-----	-----
2021 DAIRY PRODUCTS, NEC-----	4	-----	4	-----	-----
2022 DRIED MILK AND CREAM-----	16,668	-----	16,668	-----	-----
2034 VEGETABLES AND PREP, NEC-----	2	2	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	59	59	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	21,185	-----	21,185	-----	-----
2042 ANIMAL FEEDS-----	31	-----	31	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	99,197	-----	99,197	-----	-----
2081 ALCOHOLIC BEVERAGES-----	2,248	2,107	20	121	-----
2091 VEGETABLE OILS, MARG, SHORT-----	10,696	-----	10,696	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	3,838	-----	3,838	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	4,763	4,763	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	860	747	-----	113	-----
2311 APPAREL-----	1,239	7	1,232	-----	-----
2411 LOGS-----	70	-----	70	-----	-----
2491 WOOD MANUFACTURES, NEC-----	4	-----	-----	-----	4
2511 FURNITURE AND FIXTURES-----	3	-----	2	-----	1
2631 PAPER AND PAPERBOARD-----	16,492	8,927	105	7,660	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	1	-----	-----	-----	-----
2711 PRINTED MATTER-----	20	-----	20	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	2	-----	2	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	2,430	58	183	2,189	-----
2921 PLASTIC MATERIALS-----	5	3	-----	-----	-----
2941 SOAP-----	80	-----	80	-----	-----
2951 PAINTS-----	88	88	-----	-----	-----
2973 PHOSPHATIC CHEM FERTILIZERS-----	33,036	-----	-----	33,036	-----
2991 MISCELLANEOUS CHEMICAL PROD-----	12	-----	12	-----	-----
2916 LUBRICATING OILS AND GREASES-----	17	-----	17	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	13	13	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	32	32	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	6	5	1	-----	-----
3241 BUILDING CEMENT-----	21,292	-----	-----	21,292	-----
3251 STRUCTURAL CLAY PRODUCTS-----	20	20	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	499	285	-----	214	-----
3291 MISC NONMETALLIC MINERAL PROD-----	15	15	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	9,888	9,888	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	6,088	6,088	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	225	-----	225	-----	-----

Waterborne Commerce of the United States, 1982

MILWAUKEE HARBOR, WIS.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

FOREIGN--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	OVERSEAS		CANADIAN	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS
3310 FERROALLOYS-----	32,002	9,978	-----	22,024	-----
3321 NONFERROUS METALS, NEC-----	4	-----	4	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	2	-----	2	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	13	13	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	274	197	117	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	7,177	252	6,516	1	408
3611 ELECTRICAL MACH AND EQUIP-----	497	10	447	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,313	316	969	28	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	6	-----	6	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	130	130	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	145,438	-----	145,438	-----	-----
4012 NONFERROUS METAL SCRAP-----	79	-----	79	-----	-----
4112 COMMODITIES, NEC-----	1,337	2	1,335	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	586	-----	586	-----	-----

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE		INTERNAL		LOCAL
		RECEIPTS	SHIPMENTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,151,420	1,145,519	2,514	2,657	560	170
0911 FRESH FISH, EXCEPT SHELLFISH-----	170	-----	-----	-----	-----	170
1121 COAL AND LIGNITE-----	696,340	696,340	-----	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	37,415	37,415	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	83,010	83,010	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	28,253	23,062	2,514	2,657	-----	-----
2915 RESIDUAL FUEL OIL-----	15,239	15,239	-----	-----	-----	-----
3241 BUILDING CEMENT-----	290,433	290,433	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	560	-----	-----	-----	560	-----
TONS, ALL TRAFFIC, 2,249,033.						

PORT WASHINGTON HARBOR, WIS.

SECTION INCLUDED: OUTER HARBOR AND INTERIOR BASINS. CONTROLLING AND PROJECT DEPTHS: 21 FEET IN THE ENTRANCE CHANNEL AND OUTER TURNIN BASIN; 16 FEET IN INNER BASINS.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	869,734	1978-----	877,701
1974-----	876,362	1979-----	788,665
1975-----	876,913	1980-----	873,574
1976-----	1,066,083	1981-----	442,920
1977-----	688,887	1982-----	664,273

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE RECEIPTS	LOCAL
TOTAL-----	664,273	664,247	26
0911 FRESH FISH, EXCEPT SHELLFISH-----	26	-----	26
1121 COAL AND LIGNITE-----	664,247	664,247	-----

MANITOWOC 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
1973-----	1,252,856	92,241	1978-----	658,517	34,320
1974-----	869,439	88,922	1979-----	740,358	65,109
1975-----	653,503	83,519	1980-----	744,427	69,555
1976-----	744,420	77,530	1981-----	846,878	66,514
1977-----	739,883	68,673	1982-----	264,893	176

DETROIT, MI, DISTRICT

MANITOWOC HARBOR, WIS.--CONTINUED

FREIGHT TRAFFIC, 1982

(SHORT TONS)

31

COMMODITY	TOTAL	FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKEWISE	
		EXPORTS	IMPORTS	RECEIPTS	SHIPMENTS
TOTAL-----	264,893	1,856	12,162	223,783	27,092
0102 BARLEY AND RYE-----	12,162		12,162		
0129 FIELD CROPS, NEC-----	160			160	
1121 COAL AND LIGNITE-----	63,412			63,412	
1451 CLAY-----	504				504
1499 NONMETALLIC MINERALS, NEC-----	121			66	53
2022 DRIED MILK AND CREAM-----	702				702
2031 FISH AND SHELLFISH, PREPARED-----	150			150	
2034 VEGETABLES AND PREP, NEC-----	2,950			275	2,675
2039 PREP FRUIT AND VEG JUICE, NEC-----	2,616				2,616
2049 GRAIN MILL PRODUCTS, NEC-----	85				85
2099 MISCELLANEOUS FOOD PRODUCTS-----	720				720
2431 VENEER, PLYWOOD, WORKED WOOD-----	9,236				9,236
2491 WOOD MANUFACTURES, NEC-----	530			50	480
2611 PULP-----	70				70
2621 STANDARD NEWSPRINT PAPER-----	2,342				2,342
2631 PAPER AND PAPERBOARD-----	18			18	
2621 PLASTIC MATERIALS-----	1,638				1,638
2622 SYNTHETIC RUBBER-----	720				720
2871 NITROGENOUS CHEM FERTILIZERS-----	2,100			1,000	1,100
2879 FERTILIZER AND MATERIALS, NEC-----	46			46	
2891 MISCELLANEOUS CHEMICAL PROD-----	1,778				1,778
2991 PETROLEUM AND COAL PROD, NEC-----	100				100
3241 BUILDING CEMENT-----	150,088			150,088	
3251 STRUCTURAL CLAY PRODUCTS-----	2,195			95	2,100
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,724			1,724	
3316 IRON AND STEEL PLATES, SHEETS-----	2,580			2,580	
3317 IRON AND STEEL PIPE AND TUBE-----	4,024			4,024	
3322 COPPER ALLOYS, UNWORKED-----	173				173
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,911	1,856		55	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	24			24	
3911 MISC MANUFACTURED PRODUCTS-----	14			14	

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
1973-----	1,384,863	18,380	1978-----	956,015	44,140
1974-----	1,281,178	24,824	1979-----	1,802,964	32,639
1975-----	1,084,288	27,173	1980-----	1,120,754	39,565
1976-----	920,760	22,662	1981-----	1,273,942	41,666
1977-----	876,095	50,436	1982-----	605,157	87,946

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE	
		RECEIPTS	SHIPMENTS
TOTAL-----	605,157	250,690	354,467
0104 OATS-----	240		240
0129 FIELD CROPS, NEC-----	905		905
0141 FRESH AND FROZEN VEGETABLES-----	1,105		1,105
1011 IRON ORE AND CONCENTRATES-----	670		670
1091 NONFERROUS ORES, CONCENT, NEC-----	886		886
1121 COAL AND LIGNITE-----	8,825	8,825	
1451 CLAY-----	14,976	12,288	2,688
1471 PHOSPHATE ROCK-----	185		185
1499 NONMETALLIC MINERALS, NEC-----	43,270	42,776	494
2011 MEAT, FRESH, CHILLED, FROZEN-----	1,205	880	325
2012 MEAT AND PRODUCTS, NEC-----	380		380
2015 ANIMAL BY-PRODUCTS, NEC-----	251		251
2021 DAIRY PRODUCTS, NEC-----	7,512	51	7,461
2022 DRIED MILK AND CREAM-----	1,107	385	722
2031 FISH AND SHELLFISH, PREPARED-----	45	85	
2034 VEGETABLES AND PREP, NEC-----	17,281	1,012	16,269
2039 PREP FRUIT AND VEG JUICE, NEC-----	1,799		1,799
2041 WHEAT FLOUR AND SEMOLINA-----	3,050		3,050
2049 GRAIN MILL PRODUCTS, NEC-----	1,810		1,810
2061 SUGAR-----	824		824
2081 ALCOHOLIC BEVERAGES-----	40		40
2099 MISCELLANEOUS FOOD PRODUCTS-----	20,421	11,722	8,699
2415 PULPWOOD, LOG-----	12,199	5,499	6,700
2416 WOOD CHIPS, STAVES, MOLDINGS-----	2,453	2,553	300
2421 LUMBER-----	8,311	2,812	5,499
2431 VENEER, PLYWOOD, WORKED WOOD-----	36,661	60	36,601
2491 WOOD MANUFACTURES, NEC-----	6,530	96	6,434
2511 FURNITURE AND FIXTURES-----	42		42
2611 PULP-----	3,032	191	2,841

Waterborne Commerce of the United States, 1982

Kewaunee Harbor, Wis.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

DOMESTIC--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE	
		RECEIPTS	SHIPMENTS
2621 STANDARD NEWSPRINT PAPER-----	11,364	138	11,226
2631 PAPER AND PAPERBOARD-----	135,218	23,975	111,243
2691 PULP AND PAPER PRODUCTS, NEC-----	4,765	-----	4,765
2810 SODIUM HYDROXIDE-----	6,700	-----	6,700
2819 BASIC CHEMICALS AND PROD, NEC-----	23,500	-----	23,500
2821 PLASTIC MATERIALS-----	1,259	531	728
2822 SYNTHETIC RUBBER-----	300	200	100
2851 PAINTS-----	83	-----	83
2871 NITROGENOUS CHEM FERTILIZERS-----	4,400	1,700	2,700
2872 POTASSIC CHEM FERTILIZERS-----	14,693	-----	14,693
2873 PHOSPHATIC CHEM FERTILIZERS-----	989	989	-----
2876 INSECTICIDES, DISINFECTANTS-----	92	92	-----
2879 FERTILIZER AND MATERIALS, NEC-----	46	46	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	75,456	29,730	45,726
2916 LUBRICATING OILS AND GREASES-----	112	112	-----
3011 RUBBER AND MISC PLASTIC PROD-----	1,800	700	1,100
3241 BUILDING CEMENT-----	3,235	3,235	-----
3251 STRUCTURAL CLAY PRODUCTS-----	8,368	4,813	3,555
3291 MISC NONMETALLIC MINERAL PROD-----	299	9	290
3311 PIG IRON-----	95	-----	95
3314 IRON AND STEEL PRIMARY FORMS-----	825	825	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	7,529	6,483	1,046
3316 IRON AND STEEL PLATES, SHEETS-----	7,360	7,360	-----
3317 IRON AND STEEL PIPE AND TUBE-----	5,790	5,790	-----
3321 NONFERROUS METALS, NEC-----	426	-----	426
3324 ALUMINUM AND ALLOYS, UNWORKED-----	792	-----	792
3411 FABRICATED METAL PRODUCTS-----	421	421	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,430	1,430	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	115	87	28
3911 MISC MANUFACTURED PRODUCTS-----	90,590	71,253	19,337
4022 TEXTILE WASTE, SCRAP, SWEEP-----	70	70	-----
4024 PAPER WASTE AND SCRAP-----	580	580	-----

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: 26 FEET IN OUTER CHANNEL TO GRASSY ISLAND; 24 FEET IN THE ENTRANCE CHANNEL AND RIVER CHANNEL TO A POINT 1,700 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
1973-----	2,723,596	1978-----	2,457,924
1974-----	2,531,487	1979-----	2,839,326
1975-----	2,608,177	1980-----	2,299,001
1976-----	2,340,581	1981-----	1,979,865
1977-----	2,476,716	1982-----	2,030,832

* PASSENGERS--65,468.

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC			LOCAL
		OVERSEAS		CANADIAN	LAKEWISE		
		IMPORTS	EXPORTS	IMPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	2,030,832	27,259	99,114	126,436	1,764,734	13,130	159
0104 OATS-----	179	-----	179	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	159	-----	-----	-----	-----	-----	159
1121 COAL AND LIGNITE-----	1,371,493	-----	-----	-----	1,371,493	-----	-----
1411 LIMESTONE-----	197,670	-----	-----	-----	197,670	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	68,581	-----	-----	68,581	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	22,306	-----	22,306	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	195	-----	195	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	22,210	-----	22,210	-----	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	10,624	-----	10,624	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	400	-----	400	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	24,303	-----	24,303	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	1,472	-----	1,472	-----	-----	-----	-----
2611 PULP-----	53,690	27,035	-----	26,655	-----	-----	-----
2841 SOAP-----	214	-----	214	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	31,200	-----	-----	31,200	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	13,130	-----	-----	-----	-----	13,130	-----
2920 COKE, PETROLEUM COKE-----	13,941	-----	-----	-----	13,941	-----	-----
3241 BUILDING CEMENT-----	181,630	-----	-----	-----	181,630	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	1,565	224	1,341	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	2	-----	2	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	70	-----	70	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	15,728	-----	15,728	-----	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	70	-----	70	-----	-----	-----	-----

DETROIT, MI, DISTRICT

33

ALPENA HARBOR, MICH.

SECTION INCLUDED: LOWER 4,000 FEET OF RIVER AND PRIVATE HARBORS NORTH OF MOUTH OF THUNDER BAY RIVER, CONTROLLING DEPTHS: 21 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 19 FEET DEEP AT THE RIVER MOUTH. NAVIGATION SEASON: MARCH 15 TO DECEMBER 17.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	2,853,883	1978-----	3,203,682
1974-----	3,082,304	1979-----	2,942,149
1975-----	2,855,580	1980-----	2,737,030
1976-----	2,835,479	1981-----	2,170,676
1977-----	3,004,934	1982-----	1,821,190

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC		LOCAL
		CANADIAN	LAKEWISE		
		IMPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,821,190	27,834	288,930	1,504,362	64
0911 FRESH FISH, EXCEPT SHELLFISH-----	64	-----	-----	-----	64
1121 COAL AND LIGNITE-----	260,763	-----	260,763	-----	-----
1699 NONMETALLIC MINERALS, NEC-----	27,834	27,834	-----	-----	-----
2911 GASOLINE-----	28,167	-----	28,167	-----	-----
3241 BUILDING CEMENT-----	1,504,362	-----	-----	1,504,362	-----

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 14 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: ESBEXVILLE - 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 DT & I.R.R. BRIDGE TO MILE 7 IN THE BAY SECTION; THENCE 26 FEET FOR 0.4 MILE; THENCE 25 FEET TO THE PENN CENTRAL R.R. BRIDGE; THENCE 22 FEET TO THE C&O R.R. BRIDGE IN SAGINAW; THENCE 18.5 FEET TO THE UPSTREAM LIMIT AT GREEN POINT. 20 AND 25 FEET IN ESBEXVILLE 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 15 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
1973-----	4,095,978	1978-----	3,173,573
1974-----	4,180,075	1979-----	4,046,126
1975-----	2,705,330	1980-----	3,081,260
1976-----	3,072,473	1981-----	2,593,591
1977-----	3,656,238	1982-----	1,608,792

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		LOCAL
		OVERSEAS		CANADIAN		LAKEWISE		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,608,792	1,375	33,061	312,155	177,470	851,903	25,970	206,459
0103 CORN-----	58,624	-----	-----	-----	58,624	-----	-----	-----
0107 WHEAT-----	49,068	-----	-----	-----	49,068	-----	-----	-----
0111 SOYBEANS-----	70,178	-----	-----	-----	70,178	-----	-----	-----
0121 TOBACCO, LEAF-----	48	-----	-----	48	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	18	-----	-----	-----	-----	-----	-----	18
1411 LIMESTONE-----	644,959	-----	-----	-----	644,959	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	343,855	-----	-----	-----	137,414	-----	-----	206,441
1699 NONMETALLIC MINERALS, NEC-----	86,621	-----	-----	86,621	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	18,244	-----	18,244	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	1,375	1,375	-----	-----	-----	-----	-----	-----
2810 SODIUM HYDROXIDE-----	10,896	-----	-----	-----	-----	-----	10,896	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	9,388	-----	9,388	-----	-----	-----	-----	-----
2841 SOAP-----	2,700	-----	2,700	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	10,328	-----	-----	-----	-----	10,328	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	123,554	-----	-----	123,554	-----	-----	-----	-----
2911 GASOLINE-----	31,592	-----	-----	21,204	-----	3,440	6,948	-----
2914 DISTILLATE FUEL OIL-----	17,612	-----	-----	9,486	-----	-----	8,126	-----
3241 BUILDING CEMENT-----	127,008	-----	-----	71,246	-----	55,762	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	2,399	-----	2,399	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	329	-----	329	-----	-----	-----	-----	-----

Waterborne Commerce of the United States, 1982

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
1973-----	4,572,884	238,866	114,336,877	-----	118,909,761	238,866
1974-----	4,211,684	232,047	97,233,746	182	101,445,430	232,229
1975-----	3,611,744	235,590	88,099,532	-----	91,711,276	235,590
1976-----	4,303,948	269,489	92,056,242	2,608	96,360,190	272,097
1977-----	5,746,025	282,096	77,004,441	-----	82,750,466	282,096
1978-----	4,845,300	260,779	102,023,236	962	106,868,536	269,741
1979-----	4,845,648	281,784	107,845,409	-----	112,691,057	281,784
1980-----	5,318,169	298,752	83,692,184	-----	89,010,353	298,752
1981-----	4,486,740	272,715	62,377,416	-----	66,864,156	272,715
1982-----	3,982,476	196,453	50,706,563	-----	54,689,039	196,453

FREIGHT TRAFFIC, 1982

UPBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS		
		FOREIGN OVERSEAS	CANADIAN	DOMESTIC LAKELINE	FOREIGN OVERSEAS	CANADIAN	DOMESTIC LAKELINE
TOTAL-----	16,360,794	1,338,663	9,561,021	4,798,403	21	214,405	452,081
0105 RICE-----	43	43	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	2,765	588	58	-----	-----	2,119	-----
0129 FIELD CROPS, NEC-----	45	45	-----	-----	-----	-----	-----
0131 FRESH FRUITS-----	1	1	-----	-----	-----	-----	-----
0133 COFFEE-----	44	44	-----	-----	-----	-----	-----
0134 COCOA BEANS-----	603	603	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	363	-----	363	-----	-----	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	11	11	-----	-----	-----	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	26	26	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	148	148	-----	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	3,314,168	137,973	2,966,070	35,590	-----	174,535	-----
1051 ALUMINUM ORES, CONCENTRATES-----	7	7	-----	-----	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	4,242	-----	4,242	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	9,291,504	-----	4,809,413	4,082,535	-----	-----	399,596
1311 CRUDE PETROLEUM-----	234,751	-----	222,851	11,900	-----	-----	-----
1411 LIMESTONE-----	87,336	-----	61,235	-----	-----	-----	26,101
1442 SAND, GRAVEL, CRUSHED ROCK-----	88	84	4	-----	-----	-----	-----
1451 CLAY-----	142	142	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	960,056	132	717,345	227,607	-----	14,972	-----
2012 MEAT AND PRODUCTS, NEC-----	43	43	-----	-----	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	147	147	-----	-----	-----	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	8	8	-----	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	183	183	-----	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	715	715	-----	-----	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	21	-----	21	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	1,035	1,035	-----	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	50	50	-----	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	13,383	13,221	162	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	3,378	1,175	2,203	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	657	657	-----	-----	-----	-----	-----
2111 TOBACCO MANUFACTURES-----	1	1	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	14,763	14,763	-----	-----	-----	-----	-----
2212 TEXTILE FIBERS, NEC-----	5,985	5,872	113	-----	-----	-----	-----
2311 APPAREL-----	35	35	-----	-----	-----	-----	-----
2421 LUMBER-----	41	41	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	26	22	4	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	1,014	1,013	1	-----	-----	-----	-----
2611 PULP-----	35,875	27,035	8,840	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	16,632	8,972	7,660	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	11	11	-----	-----	-----	-----	-----
2711 PRINTED MATTER-----	40	40	-----	-----	-----	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	111,229	-----	111,229	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	253,128	3,566	248,086	-----	21	5,455	-----
2821 PLASTIC MATERIALS-----	293	293	-----	-----	-----	-----	-----
2831 DRUGS-----	107	107	-----	-----	-----	-----	-----
2841 SOAP-----	72	72	-----	-----	-----	-----	-----
2851 PAINTS-----	260	260	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	9,921	9,921	-----	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	21,490	-----	21,490	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	244	244	-----	-----	-----	-----	-----
2911 GASOLINE-----	42,423	-----	36,172	6,251	-----	-----	-----
2912 JET FUEL-----	109,396	-----	-----	109,396	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	72,372	-----	48,198	12,622	-----	-----	11,552
2915 RESIDUAL FUEL OIL-----	114,807	-----	34,826	52,561	-----	12,788	14,832
2916 LUBRICATING OILS AND GREASES-----	83,724	-----	83,724	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	58	58	-----	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	214	214	-----	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	54	54	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	91	62	29	-----	-----	-----	-----
3241 BUILDING CEMENT-----	126,060	-----	126,060	-----	-----	-----	-----
3291 STRUCTURAL CLAY PRODUCTS-----	305	305	-----	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	1,522	1,508	214	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	168	168	-----	-----	-----	-----	-----
3312 SLAG-----	259,941	-----	259,941	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	25,349	25,349	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	899,538	899,538	-----	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	17,701	17,701	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	41,990	41,990	-----	-----	-----	-----	-----

DETROIT, MI, DISTRICT

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ST. CLAIR RIVER, MICH.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

UPBOUND--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS		
		FOREIGN OVERSEAS	CANADIAN	DOMESTIC LAKEWISE	FOREIGN OVERSEAS	CANADIAN	DOMESTIC LAKEWISE
3310 FERROALLOYS-----	134,946	81,871	53,075	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	3,030	3,030	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	2,339	2,339	-----	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	1,925	1,925	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	17,417	17,417	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,968	1,662	1,306	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	1,982	1,982	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	8,343	8,313	30	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	437	437	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	941	807	134	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,201	1,201	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	6	-----	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	491	478	13	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	50	22	28	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	22	-----	22	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	5,813	877	-----	-----	-----	4,936	-----

DOWNBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS		
		FOREIGN OVERSEAS	CANADIAN	DOMESTIC LAKEWISE	FOREIGN OVERSEAS	CANADIAN	DOMESTIC LAKEWISE
TOTAL-----	38,324,245	4,905,405	6,238,735	23,864,536	317	46,386	3,268,866
0102 BARLEY AND RYE-----	502,238	357,184	36,837	108,237	-----	-----	-----
0103 CORN-----	1,031,328	329,888	701,460	-----	-----	-----	-----
0104 OATS-----	2,937	2,937	-----	-----	-----	-----	-----
0105 RICE-----	196	-----	-----	-----	-----	196	-----
0106 SORGHUM GRAINS-----	5,732	5,732	-----	-----	-----	-----	-----
0107 WHEAT-----	4,405,049	1,719,869	1,327,458	1,357,722	-----	-----	-----
0111 SOYBEANS-----	218,971	92,014	126,758	-----	-----	199	-----
0119 OILSEEDS, NEC-----	1,287,690	1,287,575	-----	-----	-----	115	-----
0121 TOBACCO, LEAF-----	175	-----	175	-----	-----	-----	-----
0131 FRESH FRUITS-----	1	1	-----	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	3,048	2,783	-----	-----	-----	265	-----
0161 ANIMALS AND PRODUCTS, NEC-----	7,878	7,827	-----	-----	-----	51	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	19	19	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	10	10	-----	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	39	39	-----	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	18,319,454	-----	1,958,305	16,361,149	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	256	-----	-----	-----	-----	256	-----
1121 COAL AND LIGNITE-----	3,061,393	11,884	48,133	-----	-----	3,001,376	-----
1411 LIMESTONE-----	5,491,037	-----	573,800	4,743,460	-----	116	173,661
1442 SAND, GRAVEL, CRUSHED ROCK-----	191,986	-----	189,438	-----	-----	2,548	-----
1451 CLAY-----	131,216	77,904	50,167	-----	-----	3,143	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	276,077	-----	276,077	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	81,205	-----	80,832	-----	-----	373	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	21,745	21,745	-----	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	24	24	-----	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	41,754	41,754	-----	-----	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	40	-----	-----	-----	-----	40	-----
2021 DAIRY PRODUCTS, NEC-----	210	210	-----	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	57,121	57,121	-----	-----	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	159	7	7	-----	-----	152	-----
2041 WHEAT FLOUR AND SEMOLINA-----	49,874	49,874	-----	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	39,165	39,165	-----	-----	-----	49	-----
2049 GRAIN MILL PRODUCTS, NEC-----	224,564	224,419	-----	-----	-----	145	-----
2081 ALCOHOLIC BEVERAGES-----	20	20	-----	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	11,321	10,991	-----	-----	-----	330	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	3,958	3,958	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	199	43	-----	-----	-----	156	-----
2311 APPAREL-----	1,236	1,236	-----	-----	-----	-----	-----
2411 LOGS-----	70	70	-----	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	1,889	-----	-----	-----	-----	1,889	-----
2421 LUMBER-----	621	38	-----	-----	-----	583	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,064	44	946	-----	-----	74	-----
2491 WOOD MANUFACTURES, NEC-----	3,647	1,953	1,524	-----	-----	170	-----
2511 FURNITURE AND FIXTURES-----	19	19	-----	-----	-----	-----	-----
2611 PULP-----	1,089	-----	-----	-----	188	901	-----
2631 PAPER AND PAPERBOARD-----	1,498	163	-----	-----	-----	1,335	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	133	-----	-----	-----	-----	133	-----
2711 PRINTED MATTER-----	160	160	-----	-----	-----	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	2	2	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	24,464	11,106	-----	-----	-----	13,358	-----
2821 PLASTIC MATERIALS-----	3,728	90	-----	-----	-----	3,638	-----
2822 SYNTHETIC RUBBER-----	2,571	-----	-----	-----	-----	2,571	-----
2831 DRUGS-----	322	314	-----	-----	-----	8	-----
2841 SOAP-----	3,007	3,004	-----	-----	-----	3	-----
2861 GUM AND WOOD CHEMICALS-----	272	-----	-----	-----	-----	272	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	73	73	-----	-----	-----	-----	-----
2872 POTASSIC CHEM FERTILIZERS-----	187	-----	-----	-----	-----	187	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	716,818	-----	716,574	-----	-----	244	-----
2876 INSECTICIDES, DISINFECTANTS-----	37	37	-----	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	2,262	98	-----	-----	-----	2,164	-----
2911 GASOLINE-----	28,556	-----	28,381	-----	-----	175	-----
2915 RESIDUAL FUEL OIL-----	281,665	-----	168,873	22,963	-----	-----	93,829
2916 LUBRICATING OILS AND GREASES-----	87	18	-----	-----	-----	69	-----
2918 ASPHALT, TAR, AND PITCHES-----	63,144	-----	-----	63,144	-----	-----	-----

Waterborne Commerce of the United States, 1982

ST. CLAIR RIVER, MICH.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

DOWNBOUND--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS		
		FOREIGN		DOMESTIC	FOREIGN		DOMESTIC
		OVERSEAS	CANADIAN	LAKEWISE	OVERSEAS	CANADIAN	LAKEWISE
2920 COKE, PETROLEUM COKE-----	738,584	263,279	436,169	38,502	-----	634	-----
2921 LIQUEFIED GASES-----	180	180	-----	-----	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	1	1	-----	-----	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	14	10	-----	-----	-----	4	-----
3111 LEATHER AND LEATHER PRODUCTS-----	19	-----	-----	-----	-----	19	-----
3211 GLASS AND GLASS PRODUCTS-----	732	7	-----	-----	-----	725	-----
3241 BUILDING CEMENT-----	655,711	-----	-----	655,711	-----	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	729	419	-----	-----	-----	310	-----
3291 MISC NONMETALLIC MINERAL PROD-----	116	114	-----	-----	-----	2	-----
3314 IRON AND STEEL PRIMARY FORMS-----	28,582	26,983	1,599	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	4,385	388	3,965	-----	-----	32	-----
3316 IRON AND STEEL PLATES, SHEETS-----	33,007	32,934	-----	-----	-----	73	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	2,567	64	2,503	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	153	40	-----	-----	-----	113	-----
3322 COPPER ALLOYS, UNWORKED-----	21	21	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	18	18	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	29	9	-----	-----	-----	20	-----
3411 FABRICATED METAL PRODUCTS-----	446	210	-----	-----	-----	236	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	15,456	13,883	745	-----	67	761	-----
3611 ELECTRICAL MACH AND EQUIP-----	2,734	1,318	208	-----	13	1,195	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	7,117	1,690	-----	-----	-----	5,427	-----
3721 AIRCRAFT AND PARTS-----	5	5	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	4	4	-----	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	3,607	3,494	-----	-----	1	112	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	200	200	-----	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	363	363	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	217,796	192,256	25,456	-----	-----	84	-----
4012 NONFERROUS METAL SCRAP-----	469	388	-----	-----	-----	81	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	100	100	-----	-----	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	698	-----	-----	-----	48	650	-----
4112 COMMODITIES, NEC-----	1,358	1,358	-----	-----	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	2,334	2,334	-----	-----	-----	-----	-----

TONS, ALL TRAFFIC, 54,689,039.
TON-MILES, ALL TRAFFIC, 1,848,517,522.

PORT MURON, 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 MURON, MICHIGAN, CONTROLLING DEPTHS: FROM LAKE ST. CLAIR TO STAG ISLAND, 27.1 FEET. IN THE STAG ISLAND TO PORT MURON CHANNEL AND THE FOOT OF LAKE MURON 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 30 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
1973-----	364,264	2,258	1978-----	647,097	-----
1974-----	308,098	3,602	1979-----	894,465	-----
1975-----	213,613	4,416	1980-----	695,640	-----
1976-----	244,591	3,214	1981-----	628,426	-----
1977-----	325,890	4,600	1982-----	320,993	-----

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC
		OVERSEAS		CANADIAN		LAKEWISE
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS
TOTAL-----	320,993	21	317	184,398	46,386	89,871
0105 RICE-----	196	-----	-----	-----	196	-----
0111 SOYBEANS-----	199	-----	-----	-----	199	-----
0119 OILSEEDS, NEC-----	115	-----	-----	-----	115	-----
0121 TOBACCO, LEAF-----	2,119	-----	-----	2,119	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	265	-----	-----	-----	265	-----
0161 ANIMALS AND PRODUCTS, NEC-----	51	-----	-----	-----	51	-----
1011 IRON ORE AND CONCENTRATES-----	174,535	-----	-----	174,535	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	256	-----	-----	-----	256	-----
1411 LIMESTONE-----	89,987	-----	-----	-----	116	89,871
1442 SAND, GRAVEL, CRUSHED ROCK-----	2,548	-----	-----	-----	2,548	-----
1451 CLAY-----	3,143	-----	-----	-----	3,143	-----
1499 NONMETALLIC MINERALS, NEC-----	373	-----	-----	-----	373	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	40	-----	-----	-----	40	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	152	-----	-----	-----	152	-----
2042 ANIMAL FEEDS-----	49	-----	-----	-----	49	-----
2049 GRAIN MILL PRODUCTS, NEC-----	145	-----	-----	-----	145	-----
2091 VEGETABLE OILS, MARG, SHORT-----	330	-----	-----	-----	330	-----
2211 BASIC TEXTILE PRODUCTS-----	156	-----	-----	-----	156	-----
2414 TIMBER, POSTS, POLES, PILING-----	1,889	-----	-----	-----	1,889	-----
2421 LUMBER-----	583	-----	-----	-----	583	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	74	-----	-----	-----	74	-----

DETROIT, MI, DISTRICT

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

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC
		OVERSEAS		CANADIAN		LAKEWISE
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS
2491 WOOD MANUFACTURES, NEC-----	170	-----	-----	-----	170	-----
2611 PULP-----	1,089	-----	188	-----	901	-----
2631 PAPER AND PAPERBOARD-----	1,335	-----	-----	-----	1,335	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	133	-----	-----	-----	133	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	13,379	21	-----	-----	13,358	-----
2821 PLASTIC MATERIALS-----	3,638	-----	-----	-----	3,638	-----
2822 SYNTHETIC RUBBER-----	2,571	-----	-----	-----	2,571	-----
2831 DRUGS-----	8	-----	-----	-----	8	-----
2841 SOAP-----	3	-----	-----	-----	3	-----
2861 GUM AND WOOD CHEMICALS-----	272	-----	-----	-----	272	-----
2872 POTASSIC CHEM FERTILIZERS-----	187	-----	-----	-----	187	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	244	-----	-----	-----	244	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	2,164	-----	-----	-----	2,164	-----
2911 GASOLINE-----	175	-----	-----	-----	175	-----
2915 RESIDUAL FUEL OIL-----	5,108	-----	-----	5,108	-----	-----
2916 LUBRICATING OILS AND GREASES-----	69	-----	-----	-----	69	-----
2920 COKE, PETROLEUM COKE-----	634	-----	-----	-----	634	-----
3011 RUBBER AND MISC PLASTIC PROD-----	4	-----	-----	-----	4	-----
3111 LEATHER AND LEATHER PRODUCTS-----	19	-----	-----	-----	19	-----
3211 GLASS AND GLASS PRODUCTS-----	725	-----	-----	-----	725	-----
3251 STRUCTURAL CLAY PRODUCTS-----	310	-----	-----	-----	310	-----
3291 MISC NONMETALLIC MINERAL PROD-----	2	-----	-----	-----	2	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	32	-----	-----	-----	32	-----
3316 IRON AND STEEL PLATES, SHEETS-----	73	-----	-----	-----	73	-----
3321 NONFERROUS METALS, NEC-----	113	-----	-----	-----	113	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	20	-----	-----	-----	20	-----
3411 FABRICATED METAL PRODUCTS-----	236	-----	-----	-----	236	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	828	-----	67	-----	761	-----
3611 ELECTRICAL MACH AND EQUIP-----	1,208	-----	13	-----	1,195	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	5,427	-----	-----	-----	5,427	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	113	-----	1	-----	112	-----
4011 IRON AND STEEL SCRAP-----	84	-----	-----	-----	84	-----
4012 NONFERROUS METAL SCRAP-----	81	-----	-----	-----	81	-----
4024 PAPER WASTE AND SCRAP-----	698	-----	48	-----	650	-----
4112 COMMODITIES, NEC-----	2,636	-----	-----	2,636	-----	-----

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
1973-----	606,591	1978-----	529,920
1974-----	577,663	1979-----	425,480
1975-----	559,726	1980-----	614,580
1976-----	516,713	1981-----	263,797
1977-----	575,898	1982-----	293,030

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC LAKEWISE	
		CANADIAN		RECEIPTS	SHIPMENTS
		IMPORTS	EXPORTS		
TOTAL-----	293,030	9,776		180,092	103,162
1121 COAL AND LIGNITE-----	174,593			174,593	
1499 NONMETALLIC MINERALS, NEC-----	8,676		8,676		
2915 RESIDUAL FUEL OIL-----	108,661			5,499	103,162
4112 COMMODITIES, NEC-----	1,100		1,100		

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
1973-----	3,338,058	1978-----	3,319,786
1974-----	3,075,056	1979-----	3,286,404
1975-----	2,686,497	1980-----	3,726,267
1976-----	3,353,109	1981-----	3,353,691
1977-----	4,586,145	1982-----	3,258,562

Waterborne Commerce of the United States, 1982

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

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC
		CANADIAN	LAKEWISE
		IMPORTS	RECEIPTS
TOTAL-----	3,258,562	20,631	3,237,931
1121 COAL AND LIGNITE-----	3,226,379	-----	3,226,379
1499 NONMETALLIC MINERALS, NEC-----	6,296	6,296	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	5,455	5,455	-----
2914 DISTILLATE FUEL OIL-----	11,552	-----	11,552
2915 RESIDUAL FUEL OIL-----	7,680	7,680	-----
4112 COMMODITIES, NEC-----	1,200	1,200	-----

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 8 FEET IN CHANNEL TO CLINTON RIVER. PROJECT DEPTHS: 27.5 FEET IN MAIN CHANNEL AND 8 FEET IN CLINTON RIVER CHANNEL.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	117,817,614	2,258	1978-----	102,197,942	962
1974-----	99,318,310	3,784	1979-----	107,708,762	-----
1975-----	88,954,414	4,416	1980-----	83,914,264	-----
1976-----	92,441,331	5,822	1981-----	82,294,163	-----
1977-----	77,647,245	4,622	1982-----	50,221,716	-----

FREIGHT TRAFFIC, 1982

UPBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC		
		FOREIGN	CANADIAN	DOMESTIC
		OVERSEAS		LAKEWISE
TOTAL-----	15,624,945	1,338,484	9,045,310	5,241,151
0105 RICE-----	43	43	-----	-----
0121 TOBACCO, LEAF-----	898	588	310	-----
0129 FIELD CROPS, NEC-----	45	45	-----	-----
0131 FRESH FRUITS-----	1	1	-----	-----
0133 COFFEE-----	44	44	-----	-----
0134 COCOA BEANS-----	603	603	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	363	-----	363	-----
0161 ANIMALS AND PRODUCTS, NEC-----	11	11	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	26	26	-----	-----
0861 FOREST PRODUCTS, NEC-----	148	148	-----	-----
1011 IRON ORE AND CONCENTRATES-----	3,314,168	137,973	3,140,605	35,590
1051 ALUMINUM ORES, CONCENTRATES-----	7	7	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	4,242	-----	4,242	-----
1121 COAL AND LIGNITE-----	9,291,544	-----	4,609,413	4,482,131
1311 CRUDE PETROLEUM-----	19,404	-----	7,504	11,900
1411 LIMESTONE-----	87,336	-----	61,235	26,101
1442 SAND, GRAVEL, CRUSHED ROCK-----	88	84	4	-----
1451 CLAY-----	142	142	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	953,760	132	726,421	227,607
2012 MEAT AND PRODUCTS, NEC-----	43	43	-----	-----
2021 DAIRY PRODUCTS, NEC-----	147	147	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	8	8	-----	-----
2034 VEGETABLES AND PREP, NEC-----	183	183	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	715	715	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	21	-----	21	-----
2042 ANIMAL FEEDS-----	1,035	1,035	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	50	50	-----	-----
2081 ALCOHOLIC BEVERAGES-----	13,383	13,221	162	-----
2091 VEGETABLE OILS, MARG, SHORT-----	3,378	1,175	2,203	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	657	657	-----	-----
2111 TOBACCO MANUFACTURES-----	1	1	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	14,763	14,763	-----	-----
2212 TEXTILE FIBERS, NEC-----	5,985	5,872	113	-----
2311 APPAREL-----	35	35	-----	-----
2421 LUMBER-----	41	41	-----	-----
2491 WOOD MANUFACTURES, NEC-----	26	22	4	-----
2511 FURNITURE AND FIXTURES-----	1,014	1,013	1	-----
2611 PULP-----	35,875	27,035	8,840	-----
2631 PAPER AND PAPERBOARD-----	16,632	8,972	7,660	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	11	11	-----	-----
2711 PRINTED MATTER-----	40	40	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	31,940	3,587	28,353	-----
2821 PLASTIC MATERIALS-----	293	293	-----	-----
2831 DRUGS-----	107	107	-----	-----
2841 SOAP-----	72	72	-----	-----
2851 PAINTS-----	260	260	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	9,921	9,921	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	21,490	-----	21,490	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	244	244	-----	-----
2911 GASOLINE-----	20,320	-----	14,069	6,251
2912 JET FUEL-----	109,396	-----	-----	109,396

DETROIT, MI, DISTRICT
CHANNELS IN LAKE ST. CLAIR--CONTINUED
FREIGHT TRAFFIC, 1982--CONTINUED
UPROUND--CONTINUED
(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC		
		FOREIGN		DOMESTIC
		OVERSEAS	CANADIAN	LAKEWISE
2914 DISTILLATE FUEL OIL-----	24,174	-----	-----	24,174
2915 RESIDUAL FUEL OIL-----	58,060	-----	-----	58,060
2916 LUBRICATING OILS AND GREASES-----	30,350	-----	30,350	-----
2991 PETROLEUM AND COAL PROD, NEC-----	58	58	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	214	214	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	54	54	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	91	62	29	-----
3241 BUILDING CEMENT-----	126,060	-----	126,060	-----
3251 STRUCTURAL CLAY PRODUCTS-----	305	305	-----	-----
3261 CUT STONE AND STONE PRODUCTS-----	1,522	1,308	214	-----
3291 MISC NONMETALLIC MINERAL PROD-----	168	168	-----	-----
3312 SLAG-----	259,941	-----	-----	259,941
3314 IRON AND STEEL PRIMARY FORMS-----	25,349	25,349	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	899,538	899,538	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	17,701	17,701	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	41,990	41,990	-----	-----
3318 FERROALLOYS-----	134,946	81,871	53,075	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	3,030	3,030	-----	-----
3321 NONFERROUS METALS, NEC-----	2,339	2,339	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	1,925	1,925	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	17,417	17,417	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,968	1,662	1,306	-----
3411 FABRICATED METAL PRODUCTS-----	1,982	1,982	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	8,343	8,313	30	-----
3611 ELECTRICAL MACH AND EQUIP-----	437	437	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	941	807	134	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,201	1,201	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	6	6	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	491	478	13	-----
4012 NONFERROUS METAL SCRAP-----	50	22	28	-----
4024 PAPER WASTE AND SCRAP-----	22	-----	22	-----
4112 COMMODITIES, NEC-----	2,313	877	1,436	-----

DOWNBOUND
(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC		
		FOREIGN		DOMESTIC
		OVERSEAS	CANADIAN	LAKEWISE
TOTAL-----	34,596,771	4,905,722	5,732,684	23,958,365
0102 BARLEY AND RYE-----	502,238	357,164	36,837	108,237
0103 CORN-----	1,031,324	329,868	701,460	-----
0104 OATS-----	2,937	2,937	-----	-----
0105 RICE-----	98	-----	98	-----
0106 SORGHUM GRAINS-----	5,732	5,732	-----	-----
0107 WHEAT-----	4,405,049	1,719,869	1,327,458	1,357,722
0111 SOYBEANS-----	218,772	92,014	126,758	-----
0119 OILSEEDS, NEC-----	1,287,575	1,287,575	-----	-----
0121 TOBACCO, LEAF-----	175	-----	175	-----
0131 FRESH FRUITS-----	1	1	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	2,783	2,783	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	7,827	7,827	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	19	19	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	10	10	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	39	39	-----	-----
1011 IRON ORE AND CONCENTRATES-----	14,319,454	-----	1,958,305	16,361,149
1121 COAL AND LIGNITE-----	80,017	11,884	-----	68,133
1411 LIMESTONE-----	4,865,470	-----	122,010	4,743,460
1442 SAND, GRAVEL, CRUSHED ROCK-----	189,438	-----	-----	189,438
1451 CLAY-----	128,125	77,906	50,219	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	276,077	-----	-----	276,077
1499 NONMETALLIC MINERALS, NEC-----	80,832	-----	80,832	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	21,745	21,745	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	24	24	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	41,754	41,754	-----	-----
2021 DAIRY PRODUCTS, NEC-----	210	210	-----	-----
2022 DRIED MILK AND CREAM-----	57,121	57,121	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	7	7	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	49,874	49,874	-----	-----
2042 ANIMAL FEEDS-----	39,116	39,116	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	224,419	224,419	-----	-----
2081 ALCOHOLIC BEVERAGES-----	20	20	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	10,991	10,991	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	3,958	3,958	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	43	43	-----	-----
2311 APPAREL-----	1,236	1,236	-----	-----
2411 LOGS-----	70	70	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	16	-----	16	-----
2421 LUMBER-----	38	38	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	990	44	946	-----
2491 WOOD MANUFACTURES, NEC-----	3,477	1,953	1,524	-----
2511 FURNITURE AND FIXTURES-----	19	-----	-----	-----
2611 PULP-----	379	168	191	-----
2631 PAPER AND PAPERBOARD-----	186	163	23	-----
2711 PRINTED MATTER-----	160	160	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	2	2	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	11,305	11,106	199	-----
2821 PLASTIC MATERIALS-----	113	90	25	-----

Waterborne Commerce of the United States, 1982

CHANNELS IN LAKE ST. CLAIR--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

DOWNBOUND--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC		
		FOREIGN		DOMESTIC
		OVERSEAS	CANADIAN	LAKEWISE
2822 SYNTHETIC RUBBER-----	183		183	
2831 DRUGS-----	314	314		
2841 SOAP-----	3,004	3,004		
2871 NITROGENOUS CHEM FERTILIZERS-----	73	73		
2873 PHOSPHATIC CHEM FERTILIZERS-----	716,574		716,574	
2876 INSECTICIDES, DISINFECTANTS-----	37	37		
2891 MISCELLANEOUS CHEMICAL PROD-----	98	98		
2911 GASOLINE-----	28,381		28,381	
2915 RESIDUAL FUEL OIL-----	281,665		164,873	116,792
2916 LUBRICATING OILS AND GREASES-----	18	18		
2918 ASPHALT, TAR, AND PITCHES-----	63,144			63,144
2920 COKE, PETROLEUM COKE-----	682,796	263,279	381,015	38,502
2921 LIQUEFIED GASES-----	180	180		
2991 PETROLEUM AND COAL PROD, NEC-----	1	1		
3011 RUBBER AND MISC PLASTIC PROD-----	10	10		
3211 GLASS AND GLASS PRODUCTS-----	79	7	72	
3241 BUILDING CEMENT-----	655,711			655,711
3251 STRUCTURAL CLAY PRODUCTS-----	419	419		
3291 MISC NONMETALLIC MINERAL PROD-----	114	114		
3314 IRON AND STEEL PRIMARY FORMS-----	28,582	26,983	1,599	
3315 IRON, STEEL SHAPES, EXC SHEET-----	4,353	388	3,965	
3316 IRON AND STEEL PLATES, SHEETS-----	32,934	32,934		
3319 IRON AND STEEL PRODUCTS, NEC-----	2,567	64	2,503	
3321 NONFERROUS METALS, NEC-----	40	40		
3322 COPPER ALLOYS, UNWORKED-----	21	21		
3323 LEAD AND ZINC, UNWORKED-----	18	18		
3324 ALUMINUM AND ALLOYS, UNWORKED-----	9	9		
3411 FABRICATED METAL PRODUCTS-----	210	210		
3511 MACHINERY, EXCEPT ELECTRICAL-----	14,695	13,950	745	
3611 ELECTRICAL MACH AND EQUIP-----	1,539	1,331	208	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1,722	1,690	32	
3721 AIRCRAFT AND PARTS-----	5	5		
3731 SHIPS AND BOATS-----	4	4		
3791 MISC TRANSPORTATION EQUIPMENT-----	3,495	3,495		
3811 INSTR, TIME, PHOTO, OPT GOODS-----	200	200		
3911 MISC MANUFACTURED PRODUCTS-----	363	363		
4011 IRON AND STEEL SCRAP-----	217,712	192,256	25,456	
4012 NONFERROUS METAL SCRAP-----	388	388		
4022 TEXTILE WASTE, CRAP, SWEEP-----	100	100		
4024 PAPER WASTE AND SCRAP-----	48	48		
4112 COMMODITIES, NEC-----	1,358	1,358		
9999 DEPARTMENT OF DEFENSE AND SCI-----	2,334	2,334		

TONS, ALL TRAFFIC, 50,221,716.
 TON-MILES, ALL TRAFFIC, 903,990,888.

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 2 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
1973-----	31,541,566	1,110,670	100,134,816	2	131,676,382	1,110,672
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-----	25,106,301	896,072	65,470,682	22	90,576,983	896,094
1978-----	25,881,508	867,828	87,150,328		113,031,836	867,828
1979-----	24,995,987	831,860	93,396,042		118,392,029	831,860
1980-----	19,278,914	484,708	72,793,019		92,072,933	484,708
1981-----	17,839,139	356,694	72,566,737		90,405,876	356,694
1982-----	13,176,099	369,388	43,390,094		56,566,193	369,388

FREIGHT TRAFFIC, 1982

UPBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC	FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKEWISE	OVERSEAS	CANADIAN	LAKEWISE	OTHER
TOTAL-----	21,130,814	1,338,484	9,236,237	5,078,483	498,785	763,642	4,209,359	9,824
0105 RICE-----	43	43						
0121 TOBACCO, LEAF-----	8,483	588	310		2,659	4,926		
0129 FIELD CROPS, NEC-----	188	45			84	59		
0131 FRESH FRUITS-----	1	1						
0133 COFFEE-----	44	44						
0134 COCOA BEANS-----	603	603						
0141 FRESH AND FROZEN VEGETABLES-----	383				20	363		

DETROIT, MI, DISTRICT

41

DETROIT RIVER, MICH.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

UPBOUND--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC	FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKEWISE	OVERSEAS	CANADIAN	LAKEWISE	OTHER
0161 ANIMALS AND PRODUCTS, NEC-----	114	11	-----	-----	70	33	-----	-----
0841 CRUDE RUBBER AND ALLIED GUMS-----	563	26	-----	-----	490	47	-----	-----
0861 FOREST PRODUCTS, NEC-----	209	148	-----	-----	61	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	8	-----	-----	-----	-----	8	-----	-----
1011 IRON ORE AND CONCENTRATES-----	3,506,576	137,973	3,140,605	9,000	-----	192,408	26,500	-----
1051 ALUMINUM ORES, CONCENTRATES-----	26	7	-----	-----	20	1	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	4,242	-----	4,242	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	14	-----	-----	-----	-----	14	-----	-----
1121 COAL AND LIGNITE-----	13,444,418	-----	5,032,958	4,473,331	-----	-----	3,938,129	-----
1311 CRUDE PETROLEUM-----	19,404	-----	7,504	11,900	-----	-----	-----	-----
1411 LIMESTONE-----	114,064	-----	34,709	26,101	-----	26,526	26,728	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	108	84	4	-----	20	-----	-----	-----
1451 CLAY-----	211	142	-----	-----	13	56	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	1,349,235	132	726,021	227,607	-----	340,108	55,367	-----
1911 ORDNANCE AND ACCESSORIES-----	8	-----	-----	-----	6	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	20	-----	-----	-----	3	17	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	62	43	-----	-----	3	19	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	139	-----	-----	-----	139	-----	-----	-----
2021 DAIRY PRODUCTS, NEC-----	159	147	-----	-----	5	7	-----	-----
2031 FISH AND SHELLFISH, PREPARED-----	24	8	-----	-----	10	6	-----	-----
2034 VEGETABLES AND PREP, NEC-----	311	183	-----	-----	76	52	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	906	715	-----	-----	131	60	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	21	-----	21	-----	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	1,065	1,035	-----	-----	15	15	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	308	50	-----	-----	50	208	-----	-----
2081 ALCOHOLIC BEVERAGES-----	27,510	13,221	162	-----	10,739	3,388	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	3,427	1,175	2,203	-----	31	18	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	1,131	657	-----	-----	290	184	-----	-----
2111 TOBACCO MANUFACTURES-----	1	1	-----	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	15,128	14,763	-----	-----	140	225	-----	-----
2212 TEXTILE FIBERS, NEC-----	6,324	5,872	113	-----	339	-----	-----	-----
2311 APPAREL-----	72	35	-----	-----	9	28	-----	-----
2416 WOOD CHIPS, STAVES, MOLDINGS-----	595	-----	-----	-----	595	-----	-----	-----
2421 LUMBER-----	41	41	-----	-----	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	24	-----	-----	-----	8	16	-----	-----
2491 WOOD MANUFACTURES, NEC-----	51	22	4	-----	24	1	-----	-----
2511 FURNITURE AND FIXTURES-----	2,978	1,013	1	-----	1,709	255	-----	-----
2611 PULP-----	35,875	27,035	8,840	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	17,144	8,972	7,660	-----	283	229	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	44	11	-----	-----	26	7	-----	-----
2711 PRINTED MATTER-----	240	40	-----	-----	121	79	-----	-----
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	36	-----	-----	-----	-----	36	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	37,799	3,587	28,353	-----	3,008	2,851	-----	-----
2821 PLASTIC MATERIALS-----	2,009	293	-----	-----	882	834	-----	-----
2831 DRUGS-----	139	107	-----	-----	4	-----	-----	-----
2841 SOAP-----	332	72	-----	-----	200	60	-----	-----
2851 PAINTS-----	6,902	260	-----	-----	2,399	4,247	-----	-----
2861 GUM AND WOOD CHEMICALS-----	21	-----	-----	-----	21	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	9,921	9,921	-----	-----	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	21,512	-----	21,490	-----	22	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	127	-----	-----	-----	-----	127	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	160	-----	-----	-----	-----	160	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	4,154	244	-----	-----	981	2,929	-----	-----
2911 GASOLINE-----	25,550	-----	14,069	-----	-----	5,230	6,251	-----
2912 JET FUEL-----	109,396	-----	-----	109,396	-----	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	28,506	-----	-----	-----	-----	24,174	4,332	-----
2915 RESIDUAL FUEL OIL-----	153,006	-----	-----	29,384	-----	69,687	48,043	5,492
2916 LUBRICATING OILS AND GREASES-----	30,370	-----	24,650	-----	10	5,710	-----	-----
2920 COKE, PETROLEUM COKE-----	15,503	-----	-----	-----	-----	3	15,500	-----
2991 PETROLEUM AND COAL PROD, NEC-----	62	58	-----	-----	3	1	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	1,055	214	-----	-----	624	213	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	1,204	54	-----	-----	1,137	13	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	1,183	62	-----	-----	395	726	-----	-----
3241 BUILDING CEMENT-----	158,572	-----	126,060	-----	-----	32,512	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	988	305	-----	-----	220	463	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	3,348	1,308	214	-----	1,427	399	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	751	168	-----	-----	417	166	-----	-----
3312 SLAG-----	259,941	-----	-----	191,764	-----	-----	68,177	-----
3314 IRON AND STEEL PRIMARY FORMS-----	29,647	25,344	-----	-----	2,296	2,002	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	1,328,692	899,538	-----	-----	404,544	24,606	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	19,191	17,701	-----	-----	1,470	20	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	48,987	41,990	-----	-----	6,287	710	-----	-----
3318 FERROALLOYS-----	160,402	81,871	55,075	-----	25,040	416	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	6,224	3,030	-----	-----	718	2,476	-----	-----
3321 NONFERROUS METALS, NEC-----	2,814	2,339	-----	-----	205	270	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	4,459	1,925	-----	-----	2,023	1,011	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	19,323	17,417	-----	-----	1,793	113	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	5,377	1,662	1,306	-----	1,754	655	-----	-----
3411 FABRICATED METAL PRODUCTS-----	6,531	1,982	-----	-----	2,263	2,286	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	31,320	8,313	30	-----	4,015	10,962	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	2,894	437	-----	-----	407	1,650	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	18,203	807	134	-----	6,107	11,155	-----	-----
3721 AIRCRAFT AND PARTS-----	4	-----	-----	-----	4	-----	-----	-----
3731 SHIPS AND BOATS-----	5	-----	-----	-----	-----	1	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	1,246	1,201	-----	-----	45	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,066	6	-----	-----	384	676	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	874	476	13	-----	262	121	-----	-----
4011 IRON AND STEEL SCRAP-----	59	-----	-----	-----	59	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	641	22	28	-----	470	121	-----	-----
4024 PAPER WASTE AND SCRAP-----	22	-----	22	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	7,239	877	1,436	-----	293	4,633	-----	-----

Waterborne Commerce of the United States, 1982

DETROIT RIVER, MICH.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

DOWNBOUND

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC			RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC	FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKEWISE	OVERSEAS	CANADIAN	LAKEWISE	OTHER
TOTAL-----	35,435,379	4,905,722	5,730,906	17,100,262	458,793	173,273	7,043,183	23,240
0102 BARLEY AND RYE-----	502,238	357,164	36,837	108,237	-----	-----	-----	-----
0103 CORN-----	1,036,104	329,868	701,460	-----	4,570	206	-----	-----
0104 OATS-----	2,937	2,937	-----	-----	-----	-----	-----	-----
0105 RICE-----	98	-----	98	-----	-----	-----	-----	-----
0106 SORGHUM GRAINS-----	5,732	5,732	-----	-----	-----	-----	-----	-----
0107 WHEAT-----	4,405,049	1,719,869	1,327,458	1,357,722	-----	-----	-----	-----
0111 SOYBEANS-----	218,859	92,014	126,758	-----	-----	-----	87	-----
0119 OILSEEDS, NEC-----	1,287,575	1,287,575	-----	-----	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	231	-----	143	-----	-----	-----	88	-----
0131 FRESH FRUITS-----	81	1	-----	-----	-----	-----	80	-----
0141 FRESH AND FROZEN VEGETABLES-----	46,389	2,783	-----	-----	24,960	18,646	-----	-----
0161 ANIMALS AND PRODUCTS, NEC-----	7,927	7,827	-----	-----	86	14	-----	-----
0191 MISCELLANEOUS FARM PRODUCTS-----	19	19	-----	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	10	10	-----	-----	-----	-----	-----	-----
0912 SHELLFISH, EXCEPT PREPARED-----	39	39	-----	-----	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	18,319,454	-----	1,958,305	11,642,227	-----	-----	4,718,922	-----
1051 ALUMINUM DRES, CONCENTRATES-----	1	-----	-----	-----	1	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	98	-----	-----	-----	-----	98	-----	-----
1121 COAL AND LIGNITE-----	60,017	11,884	-----	48,133	-----	-----	-----	-----
1411 LIMESTONE-----	4,666,828	-----	122,010	3,076,920	1,002	356	1,666,540	-----
1422 SAND, GRAVEL, CRUSHED ROCK-----	189,444	-----	-----	189,438	-----	6	-----	-----
1451 CLAY-----	129,135	77,906	50,219	-----	435	575	-----	-----
1494 GYPSUM, CRUDE AND PLASTER-----	276,077	-----	-----	121,964	-----	-----	154,113	-----
1499 NONMETALLIC MINERALS, NEC-----	102,612	-----	86,218	-----	159	16,235	-----	-----
1911 ORDNANCE AND ACCESSORIES-----	2	-----	-----	-----	2	-----	-----	-----
2011 MEAT, FRESH, CHILLED, FROZEN-----	21,745	21,745	-----	-----	-----	-----	-----	-----
2012 MEAT AND PRODUCTS, NEC-----	24	24	-----	-----	-----	-----	-----	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	69,486	41,754	-----	-----	27,732	-----	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	9,551	-----	-----	-----	8,843	708	-----	-----
2021 DAIRY PRODUCTS, NEC-----	210	210	-----	-----	-----	-----	-----	-----
2022 DRIED MILK AND CREAM-----	57,143	57,121	-----	-----	22	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	245	-----	-----	-----	245	-----	-----	-----
2039 PREP FRUIT AND VEG JUICE, NEC-----	1,211	7	-----	-----	1,204	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	49,874	49,874	-----	-----	-----	-----	-----	-----
2042 ANIMAL FEEDS-----	39,116	39,116	-----	-----	-----	-----	-----	-----
2049 GRAIN MILL PRODUCTS, NEC-----	225,050	224,419	-----	-----	627	4	-----	-----
2081 ALCOHOLIC BEVERAGES-----	106	20	-----	-----	33	53	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	10,993	10,991	-----	-----	-----	2	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	4,210	3,958	-----	-----	234	18	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	257	43	-----	-----	159	55	-----	-----
2311 APPAREL-----	1,244	1,236	-----	-----	8	-----	-----	-----
2411 LUGS-----	70	70	-----	-----	-----	-----	-----	-----
2414 TIMBER, POSTS, POLES, PILING-----	16	-----	16	-----	-----	-----	-----	-----
2421 LUMBER-----	109	38	-----	-----	71	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	1,065	44	946	-----	66	9	-----	-----
2491 WOOD MANUFACTURES, NEC-----	3,579	1,953	1,524	-----	102	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	529	19	-----	-----	352	158	-----	-----
2611 PULP-----	379	188	191	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	931	163	25	-----	635	108	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	378	-----	-----	-----	366	12	-----	-----
2711 PRINTED MATTER-----	753	160	-----	-----	472	121	-----	-----
2812 DYES, PIGMENT, TANNING MATS-----	37	2	-----	-----	35	-----	-----	-----
2813 ALCOHOLS-----	6	-----	-----	-----	6	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	23,078	11,106	199	-----	10,122	1,651	-----	-----
2821 PLASTIC MATERIALS-----	2,094	90	25	-----	1,780	199	-----	-----
2822 SYNTHETIC RUBBER-----	194	-----	183	-----	11	-----	-----	-----
2831 DRUGS-----	515	314	-----	-----	116	85	-----	-----
2841 SOAP-----	9,143	3,004	-----	-----	6,098	41	-----	-----
2851 PAINTS-----	134	-----	-----	-----	99	35	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	73	73	-----	-----	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	716,574	-----	716,574	-----	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	291	37	-----	-----	137	117	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	1,584	98	-----	-----	1,343	143	-----	-----
2911 GASOLINE-----	31,193	-----	21,291	-----	321	7,113	2,468	-----
2914 DISTILLATE FUEL OIL-----	42,930	-----	-----	-----	-----	-----	42,292	638
2915 RESIDUAL FUEL OIL-----	334,604	-----	164,873	109,115	-----	-----	38,014	22,602
2916 LUBRICATING OILS AND GREASES-----	332	18	-----	-----	129	185	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	161,884	-----	-----	-----	5	16,152	145,727	-----
2920 COKE, PETROLEUM COKE-----	792,381	263,279	381,015	38,502	-----	82,145	27,400	-----
2921 LIQUEFIED GASES-----	192	180	-----	-----	12	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	63	-----	-----	-----	37	26	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	20	1	-----	-----	15	4	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	1,042	10	-----	-----	586	446	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	84	-----	-----	-----	84	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	1,094	7	72	-----	328	667	-----	-----
3241 BUILDING CEMENT-----	676,956	-----	-----	408,004	220	21,025	247,707	-----
3251 STRUCTURAL CLAY PRODUCTS-----	525	419	-----	-----	106	-----	-----	-----
3261 CUT STONE AND STONE PRODUCTS-----	2	-----	-----	-----	2	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	281	114	-----	-----	161	6	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	30,828	26,983	1,599	-----	2,246	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	4,379	348	3,912	-----	26	53	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	47,863	32,434	-----	-----	14,852	77	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	1,043	-----	6	-----	288	749	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	2,875	64	2,503	-----	161	147	-----	-----
3321 NONFERROUS METALS, NEC-----	108	40	-----	-----	24	44	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	21	21	-----	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	18	18	-----	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	244	9	-----	-----	216	19	-----	-----
3411 FABRICATED METAL PRODUCTS-----	1,646	210	-----	-----	1,001	435	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	24,248	13,950	750	-----	8,315	1,233	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	3,943	1,331	208	-----	1,672	732	-----	-----

DETROIT, MI, DISTRICT

DETROIT RIVER, MICH.--CONTINUED

FREIGHT TRAFFIC, 1962--CONTINUED

DOWNBOUND--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	THROUGH TRAFFIC				RECEIPTS AND SHIPMENTS			
		FOREIGN		DOMESTIC		FOREIGN		DOMESTIC	
		OVERSEAS	CANADIAN	LAKETWSE		OVERSEAS	CANADIAN	LAKETWSE	OTHER
3711 MOTOR VEHICLES, PARTS, EQUIP-----	6,457	1,690	32			3,027	1,708		
3721 AIRCRAFT AND PARTS-----	5	5							
3731 SHIPS AND BOATS-----	23	4				19			
3791 MISC TRANSPORTATION EQUIPMENT-----	3,613	3,495				118			
3811 INSTR, TIME, PHOTO, OPT GOODS-----	399	200				140	59		
3911 MISC MANUFACTURED PRODUCTS-----	789	363				358	68		
4011 IRON AND STEEL SCRAP-----	545,155	192,256	25,456			527,348	95		
4012 NONFERROUS METAL SCRAP-----	824	388				301	95		
4022 TEXTILE WASTE, SCRAP, SWEEP-----	133	100				32	1		
4024 PAPER WASTE AND SCRAP-----	48	48							
4112 COMMODITIES, NEC-----	1,466	1,358				89	19		
9999 DEPARTMENT OF DEFENSE AND SCI-----	6,715	2,334				4,381			

TONS, ALL TRAFFIC, 56,566,193.
TON-MILES, ALL TRAFFIC, 1,513,060,557.

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 25-28.5 FEET. PROJECT DEPTH: 28.5 FEET EXCEPT CHANNEL NORTH OF BELLE ISLE, 21 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	13,266,519	1,110,670	1978-----	9,005,915	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
1976-----	10,371,555	837,725	1981-----	5,143,155	356,694
1977-----	7,856,870	896,070	1982-----	4,322,608	369,388

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		LOCAL
		OVERSEAS		CANADIAN		LAKELWSE		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	4,322,608	245,584	118,504	505,788	126,911	3,300,331	2,153	23,337
0103 CORN-----	4,776		4,570		206			
0111 SOYBEANS-----	87				87			
0121 TOBACCO, LEAF-----	7,399	2,458		4,941				
0129 FIELD CROPS, NEC-----	143	84		59				
0131 FRESH FRUITS-----	80				80			
0141 FRESH AND FROZEN VEGETABLES-----	43,969		24,960		19,009			
0161 ANIMALS AND PRODUCTS, NEC-----	203	70	86	33	14			
0841 CRUDE RUBBER AND ALLIED GUMS-----	537	490		47				
0861 FOREST PRODUCTS, NEC-----	43	43						
0911 FRESH FISH, EXCEPT SHELLFISH-----	8			8				
1011 IRON ORE AND CONCENTRATES-----	1,913,685			167,264		1,746,421		
1051 ALUMINUM ORES, CONCENTRATES-----	22	20	1	1				
1091 NONFERROUS ORES, CONCENT, NEC-----	112			14	98			
1121 COAL AND LIGNITE-----	972,897					972,897		
1411 LIMESTONE-----	361,190		1,002		26,882	333,306		
1442 SAND, GRAVEL, CRUSHED ROCK-----	26	20			6			
1451 CLAY-----	1,066		435	56	575			
1499 NONMETALLIC MINERALS, NEC-----	147,582		159	147,392	31			
1911 ORDNANCE AND ACCESSORIES-----	10	8	2					
2011 MEAT, FRESH, CHILLED, FROZEN-----	20	3		17				
2012 MEAT AND PRODUCTS, NEC-----	19			19				
2014 TALLOW, ANIMAL FATS AND OILS-----	22,409		22,409					
2015 ANIMAL BY-PRODUCTS, NEC-----	9,650	139	8,803		708			
2021 DAIRY PRODUCTS, NEC-----	12	5		7				
2022 DRIED MILK AND CREAM-----	22		22					
2031 FISH AND SHELLFISH, PREPARED-----	16	10		6				
2034 VEGETABLES AND PREP, NEC-----	326	50	245	31				
2039 PREP FRUIT AND VEG JUICE, NEC-----	1,395	131	1,204	60				
2042 ANIMAL FEEDS-----	30	15		15				
2049 GRAIN MILL PRODUCTS, NEC-----	889	50	627	208	4			
2081 ALCOHOLIC BEVERAGES-----	7,736	4,290	33	3,360	53			
2091 VEGETABLE OILS, MARG, SHORT-----	50	30		18	2			
2099 MISCELLANEOUS FOOD PRODUCTS-----	486	260	24	184	18			
2211 BASIC TEXTILE PRODUCTS-----	579	140	159	225	95			
2212 TEXTILE FIBERS, NEC-----	339	339						
2311 APPAREL-----	45	9	6	28				
2416 WOOD CHIPS, STAVES, MULDINGS-----	595	595						
2421 LUMBER-----	71		71					
2431 VENEER, PLYWOOD, WORKED WOOD-----	99	8	66	16	9			
2491 WOOD MANUFACTURES, NEC-----	125	22	102	1				
2511 FURNITURE AND FIXTURES-----	2,416	1,666	352	255	145			
2631 PAPER AND PAPERBOARD-----	1,239	267	635	229	108			
2691 PULP AND PAPER PRODUCTS, NEC-----	390	25	346	7	12			
2711 PRINTED MATTER-----	790	120	472	77	121			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	36			36				
2812 DYES, PIGMENT, TANNING MATS-----	35		35					

Waterborne Commerce of the United States, 1982

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

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		LOCAL
		OVERSEAS		CANADIAN		LAKEWISE		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
2813 ALCOHOLS-----	6	-----	6	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	17,395	2,866	10,122	2,716	1,651	-----	-----	-----
2821 PLASTIC MATERIALS-----	3,540	727	1,780	634	199	-----	-----	-----
2822 SYNTHETIC RUBBER-----	11	-----	11	-----	-----	-----	-----	-----
2831 DRUGS-----	233	4	116	28	85	-----	-----	-----
2841 SOAP-----	6,249	80	6,098	30	41	-----	-----	-----
2851 PAINTS-----	5,783	1,520	99	4,129	35	-----	-----	-----
2861 GUM AND WOOD CHEMICALS-----	21	21	-----	-----	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	22	22	-----	-----	-----	-----	-----	-----
2876 INSECTICIDES, DISINFECTANTS-----	381	-----	137	127	117	-----	-----	-----
2879 FERTILIZER AND MATERIALS, NEC-----	160	-----	-----	160	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	5,201	908	1,343	2,807	143	-----	-----	-----
2911 GASOLINE-----	5,574	-----	321	5,230	23	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	2,888	-----	-----	-----	-----	-----	-----	2,888
2916 RESIDUAL FUEL OIL-----	86,889	-----	-----	64,287	-----	-----	2,153	20,449
2918 LUBRICATING OILS AND GREASES-----	330	10	126	9	105	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	5	-----	5	-----	-----	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	69,512	-----	-----	3	69,509	-----	-----	-----
2921 LIQUEFIED GASES-----	12	-----	12	-----	-----	-----	-----	-----
2951 ASPHALT BUILDING MATERIALS-----	63	-----	37	-----	26	-----	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	23	3	15	1	4	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	1,843	598	586	213	446	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	1,221	1,124	84	13	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	2,106	393	328	669	716	-----	-----	-----
3241 BUILDING CEMENT-----	280,440	-----	200	32,512	21	247,707	-----	-----
3251 STRUCTURAL CLAY PRODUCTS-----	789	220	106	463	-----	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS-----	1,828	1,427	2	399	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	739	410	161	162	6	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	3,823	1,821	-----	2,002	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	219,438	196,060	26	23,352	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	15,211	262	14,852	20	77	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	5,879	4,132	288	710	749	-----	-----	-----
3318 FERROALLOYS-----	595	179	-----	416	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	3,458	674	161	2,476	147	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	543	205	24	270	44	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	2,385	1,393	-----	992	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	804	691	-----	113	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,472	1,582	216	655	19	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	5,867	2,157	996	2,279	435	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	26,636	7,291	3,184	14,928	1,233	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	4,596	561	1,672	1,631	732	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	21,182	5,439	3,025	11,010	1,708	-----	-----	-----
3721 AIRCRAFT AND PARTS-----	4	4	-----	-----	-----	-----	-----	-----
3731 SHIPS AND BOATS-----	24	4	19	1	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	163	45	118	-----	-----	-----	-----	-----
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,259	384	140	676	59	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	795	248	358	121	68	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	213	59	59	-----	95	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	1,027	470	341	121	95	-----	-----	-----
4022 TEXTILE WASTE, SCRAP, SWEEP-----	33	-----	32	-----	1	-----	-----	-----
4112 COMMODITIES, NEC-----	4,940	223	89	4,609	19	-----	-----	-----
9999 DEPARTMENT OF DEFENSE AND SCI-----	4,361	-----	4,361	-----	-----	-----	-----	-----

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
1973-----	12,738,121	1978-----	11,409,251
1974-----	10,900,719	1979-----	12,492,058
1975-----	10,284,421	1980-----	10,277,336
1976-----	11,061,877	1981-----	9,633,840
1977-----	12,055,827	1982-----	7,468,839

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		
		OVERSEAS		CANADIAN		LAKEWISE		LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	7,468,839	229,071	288,289	247,562	34,541	6,357,301	290,260	12,613
0121 TOBACCO, LEAF-----	274	201	-----	73	-----	-----	-----	-----
0141 FRESH AND FROZEN VEGETABLES-----	20	20	-----	-----	-----	-----	-----	-----
0861 FOREST PRODUCTS, NEC-----	18	18	-----	-----	-----	-----	-----	-----
1011 IRON ORE AND CONCENTRATES-----	2,043,610	-----	-----	25,144	-----	1,991,876	26,599	-----
1121 COAL AND LIGNITE-----	2,712,745	-----	-----	-----	-----	2,712,745	-----	-----
1411 LIMESTONE-----	1,359,962	-----	-----	-----	-----	1,359,962	-----	-----
1451 CLAY-----	13	13	-----	-----	-----	-----	-----	-----
1494 GYPSUM, CRUDE AND PLASTERS-----	154,113	-----	-----	-----	-----	154,113	-----	-----

DETROIT, MI, DISTRICT

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

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		
		OVERSEAS		CANADIAN		LAKEWISE		LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
1499 NONMETALLIC MINERALS, NEC-----	264,287	-----	-----	208,920	-----	55,367	-----	-----
2015 ANIMAL BY-PRODUCTS, NEC-----	40	-----	40	-----	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	47	26	-----	21	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	6,477	6,449	-----	28	-----	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	1	1	-----	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	240	30	210	-----	-----	-----	-----	-----
2491 WOOD MANUFACTURES, NEC-----	2	2	-----	-----	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	56	43	-----	-----	13	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	16	16	-----	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	21	1	20	-----	-----	-----	-----	-----
2711 PRINTED MATTER-----	3	1	-----	2	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	277	142	-----	135	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	155	155	-----	-----	-----	-----	-----	-----
2841 SOAP-----	150	120	-----	30	-----	-----	-----	-----
2851 PAINTS-----	993	875	-----	118	-----	-----	-----	-----
2891 MISCELLANEOUS CHEMICAL PROD-----	195	73	-----	122	-----	-----	-----	-----
2911 GASOLINE-----	15,609	-----	-----	7,090	-----	-----	8,719	-----
2914 DISTILLATE FUEL OIL-----	45,139	-----	-----	-----	-----	-----	40,169	4,970
2915 RESIDUAL FUEL OIL-----	63,461	-----	-----	5,400	-----	4,794	45,622	7,665
2916 LUBRICATING OILS AND GREASES-----	5,701	-----	-----	1	5,700	-----	-----	-----
2918 ASPHALT, TAR, AND PITCHES-----	161,679	-----	-----	-----	16,152	63,144	82,503	-----
2920 COKE, PETROLEUM COKE-----	55,576	-----	-----	-----	12,676	15,500	27,400	-----
3011 RUBBER AND MISC PLASTIC PROD-----	30	30	-----	-----	-----	-----	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	13	13	-----	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	30	2	-----	28	-----	-----	-----	-----
3241 BUILDING CEMENT-----	20	-----	20	-----	-----	-----	-----	-----
3291 MISC NONMETALLIC MINERAL PROD-----	11	7	-----	4	-----	-----	-----	-----
3312 SLAG-----	68,177	-----	-----	-----	-----	-----	68,177	-----
3314 IRON AND STEEL PRIMARY FORMS-----	475	475	-----	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	195,276	195,076	-----	198	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	1,208	1,208	-----	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	2,155	2,155	-----	-----	-----	-----	-----	-----
3318 FERROALLOYS-----	18,141	18,141	-----	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	44	44	-----	-----	-----	-----	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	649	630	-----	19	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	1,102	1,102	-----	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	172	172	-----	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	118	106	5	7	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	758	724	-----	34	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	265	246	-----	19	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	813	668	-----	145	-----	-----	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	14	14	-----	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	287,994	-----	287,994	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	94	70	-----	24	-----	-----	-----	-----

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: 28 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	3,230,249	1978-----	3,704,651
1974-----	3,496,446	1979-----	3,615,549
1975-----	3,120,639	1980-----	2,652,790
1976-----	3,059,758	1981-----	2,569,700
1977-----	3,131,059	1982-----	1,105,440

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE	
		RECEIPTS	SHIPMENTS
TOTAL-----	1,105,440	1,079,143	26,297
1011 IRON ORE AND CONCENTRATES-----	980,625	980,625	-----
1121 COAL AND LIGNITE-----	98,518	98,518	-----
2914 DISTILLATE FUEL OIL-----	26,297	-----	26,297

Waterborne Commerce of the United States, 1982

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
1973-----	31,541,566	1,110,670	1978-----	25,881,508	866,866
1974-----	27,541,167	1,141,012	1979-----	24,995,987	831,860
1975-----	26,487,866	968,844	1980-----	19,268,443	484,708
1976-----	26,407,938	837,725	1981-----	17,839,139	356,694
1977-----	25,092,847	896,072	1982-----	13,176,099	369,386

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		
		OVERSEAS		CANADIAN		LAKEWISE		LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	13,176,099	494,785	458,793	775,463	161,452	10,904,794	347,748	33,064
0103 CORN-----	4,776		4,570		206			
0111 SOYBEANS-----	87				87			
0121 TOBACCO, LEAF-----	7,673	2,659		5,014				
0129 FIELD CROPS, NEC-----	143	84		59				
0131 FRESH FRUITS-----	80				80			
0141 FRESH AND FROZEN VEGETABLES-----	43,989	20	24,960		19,009			
0161 ANIMALS AND PRODUCTS, NEC-----	203	70	86	33	14			
0841 CRUDE RUBBER AND ALLIED GUMS-----	537	490		47				
0861 FOREST PRODUCTS, NEC-----	61	61						
0911 FRESH FISH, EXCEPT SHELLFISH-----	8			8				
1011 IRON ORE AND CONCENTRATES-----	4,937,920			192,408		4,718,922	26,590	
1051 ALUMINUM ORES, CONCENTRATES-----	22	20	1	1				
1091 NONFERROUS ORES, CONCENT, NEC-----	112			14	98			
1121 COAL AND LIGNITE-----	3,938,129					3,929,329	8,800	
1411 LIMESTONE-----	1,721,152		1,002		26,882	1,693,268		
1442 SAND, GRAVEL, CRUSHED ROCK-----	26	20			6			
1451 CLAY-----	1,079	13	435	56	575			
1494 GYPSUM, CRUDE AND PLASTERS-----	154,113					154,113		
1499 NONMETALLIC MINERALS, NEC-----	411,869		159	356,312	31	55,367		
1911 ORDNANCE AND ACCESSORIES-----	10	8	2					
2011 MEAT, FRESH, CHILLED, FROZEN-----	20	3			17			
2012 MEAT AND PRODUCTS, NEC-----	19				19			
2014 TALLOW, ANIMAL FATS AND OILS-----	27,732		27,732					
2015 ANIMAL BY-PRODUCTS, NEC-----	9,690	139	8,843		708			
2021 DAIRY PRODUCTS, NEC-----	12	5		7				
2022 DRIED MILK AND CREAM-----	22		22					
2031 FISH AND SHELLFISH, PREPARED-----	16	10		6				
2034 VEGETABLES AND PREP, NEC-----	373	76	245	52				
2039 PREP FRUIT AND VEG JUICE, NEC-----	1,395	131	1,204	60				
2042 ANIMAL FEEDS-----	30	15		15				
2049 GRAIN MILL PRODUCTS, NEC-----	889	50	627	208	4			
2081 ALCOHOLIC BEVERAGES-----	14,213	10,739	33	3,388	53			
2091 VEGETABLE OILS, MARG, SHORT-----	51	31		18	2			
2099 MISCELLANEOUS FOOD PRODUCTS-----	726	290	234	184	18			
2211 BASIC TEXTILE PRODUCTS-----	579	140	159	225	55			
2212 TEXTILE FIBERS, NEC-----	339	339						
2311 APPAREL-----	45	9	8	28				
2416 WOOD CHIPS, STAVES, MOLDINGS-----	595	595						
2421 LUMBER-----	71		71					
2431 VENEER, PLYWOOD, WORKED WOOD-----	99	8	66	16	9			
2491 WOOD MANUFACTURES, NEC-----	127	24	102	1				
2511 FURNITURE AND FIXTURES-----	2,474	1,709	352	255	158			
2631 PAPER AND PAPERBOARD-----	1,255	283	635	229	108			
2691 PULP AND PAPER PRODUCTS, NEC-----	411	26	366	7	12			
2711 PRINTED MATTER-----	793	121	472	79	121			
2811 CRUDE TAR, OIL, GAS PRODUCTS-----	36			36				
2812 DYES, PIGMENT, TANNING MATS-----	35		35					
2813 ALCOHOLS-----	6		6					
2819 BASIC CHEMICALS AND PROD, NEC-----	17,632	3,008	10,122	2,851	1,651			
2821 PLASTIC MATERIALS-----	3,695	882	1,780	834	199			
2822 SYNTHETIC RUBBER-----	11		11					
2831 DRUGS-----	233	4	116	28	85			
2841 SOAP-----	6,399	200	6,098	60	41			
2851 PAINTS-----	6,776	2,395	99	4,247	35			
2861 GUM AND WOOD CHEMICALS-----	21	21						
2873 PHOSPHATIC CHEM FERTILIZERS-----	22	22						
2876 INSECTICIDES, DISINFECTANTS-----	381		137	127	117			
2879 FERTILIZER AND MATERIALS, NEC-----	160			160				
2891 MISCELLANEOUS CHEMICAL PROD-----	5,394	981	1,343	2,929	143			
2911 GASOLINE-----	21,383		321	12,320	23		8,719	
2914 DISTILLATE FUEL OIL-----	71,436						66,466	4,970
2915 RESIDUAL FUEL OIL-----	104,238			69,687		27,444	59,013	20,094
2916 LUBRICATING OILS AND GREASES-----	6,034	10	129	10	5,885			
2918 ASPHALT, TAR, AND PITCHES-----	161,884		5		16,152	63,144	82,583	
2920 COKE, PETROLEUM COKE-----	125,088			3	82,185	15,500	27,400	
2921 LIQUEFIED GASES-----	12		12					
2951 ASPHALT BUILDING MATERIALS-----	63		37		26			
2991 PETROLEUM AND COAL PROD, NEC-----	23	3	15	1	4			
3011 RUBBER AND MISG PLASTIC PROD-----	1,873	628	586	213	446			
3111 LEATHER AND LEATHER PRODUCTS-----	1,234	1,137	84	13				
3211 GLASS AND GLASS PRODUCTS-----	2,136	395	328	697	716			
3291 BUILDING CEMENT-----	301,484		220	53,516	21	247,707		
3291 STRUCTURAL CLAY PRODUCTS-----	789	220	106	463				
3291 CUT STONE AND STONE PRODUCTS-----	1,828	1,427	2	399				
3291 MISG NONMETALLIC MINERAL PROD-----	750	417	161	166	6			
3312 SLAG-----	68,177						68,177	

DETROIT, MI, DISTRICT

PORT OF DETROIT, MICH.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			LOCAL
		OVERSEAS		CANADIAN		LAKEWISE			
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS		
3314 IRON AND STEEL PRIMARY FORMS-----	6,544	2,296	2,246	2,002	-----	-----	-----	-----	
3315 IRON, STEEL SHAPES, EXC SHEET-----	429,233	404,548	24	24,659	-----	-----	-----	-----	
3316 IRON AND STEEL PLATES, SHEETS-----	16,419	1,470	14,852	20	77	-----	-----	-----	
3317 IRON AND STEEL PIPE AND TUBE-----	8,034	6,287	288	710	749	-----	-----	-----	
3318 FERROALLOYS-----	25,456	25,040	-----	416	-----	-----	-----	-----	
3319 IRON AND STEEL PRODUCTS, NEC-----	3,502	718	161	2,476	147	-----	-----	-----	
3321 NONFERROUS METALS, NEC-----	543	205	24	270	44	-----	-----	-----	
3322 COPPER ALLOYS, UNWORKED-----	3,034	2,023	-----	1,011	-----	-----	-----	-----	
3323 LEAD AND ZINC, UNWORKED-----	1,906	1,793	-----	113	-----	-----	-----	-----	
3324 ALUMINUM AND ALLOYS, UNWORKED-----	2,644	1,754	216	655	19	-----	-----	-----	
3411 FABRICATED METAL PRODUCTS-----	5,985	2,263	1,001	2,284	435	-----	-----	-----	
3511 MACHINERY, EXCEPT ELECTRICAL-----	32,525	8,015	8,315	14,962	1,233	-----	-----	-----	
3611 ELECTRICAL MACH AND EQUIP-----	4,861	807	1,672	1,650	732	-----	-----	-----	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	21,997	6,107	3,027	11,155	1,708	-----	-----	-----	
3721 AIRCRAFT AND PARTS-----	4	4	-----	-----	-----	-----	-----	-----	
3731 SHIPS AND BOATS-----	24	4	19	1	-----	-----	-----	-----	
3791 MISC TRANSPORTATION EQUIPMENT-----	163	45	118	-----	-----	-----	-----	-----	
3811 INSTR, TIME, PHOTO, OPT GOODS-----	1,259	384	140	676	59	-----	-----	-----	
3911 MISC MANUFACTURED PRODUCTS-----	809	262	358	121	68	-----	-----	-----	
4011 IRON AND STEEL SCRAP-----	327,502	59	327,348	-----	95	-----	-----	-----	
4012 NONFERROUS METAL SCRAP-----	1,027	470	341	121	95	-----	-----	-----	
4022 TEXTILE WASTE, SCRAP, SHEEP-----	33	-----	32	-----	1	-----	-----	-----	
4112 COMMODITIES, NEC-----	5,034	293	89	4,633	19	-----	-----	-----	
9999 DEPARTMENT OF DEFENSE AND SCI-----	4,381	-----	4,381	-----	-----	-----	-----	-----	

MONROE HARBOR, MICH.

SECTION INCLUDED: CHANNEL IN LAKE ERIE AND 12,300 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; 5.5 FEET IN 9 FOOT CHANNEL. PROJECT DEPTH: 21 FEET TO THE TURNING BASINS 18 FEET IN THE TURNING BASIN; 9 FEET TO LOWER DOCKS AT MONROE. NAVIGATION SEASON: APPROXIMATELY 20 APRIL TO 14 DECEMBER.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	37,400	2980	1978-----	2,374,166	-----
1974-----	215,623	-----	1979-----	2,662,768	-----
1975-----	1,184,689	-----	1980-----	2,768,541	-----
1976-----	972,893	-----	1981-----	2,781,958	-----
1977-----	1,321,348	-----	1982-----	2,401,441	-----

FREIGHT TRAFFIC, 1982

DOMESTIC

(SHORT TONS)

COMMODITY	TOTAL	LAKEWISE	LOCAL
		RECEIPTS	
TOTAL-----	2,401,441	2,401,433	8
0911 FRESH FISH, EXCEPT SHELLFISH-----	8	-----	8
1121 COAL AND LIGNITE-----	2,401,433	2,401,433	-----

Waterborne Commerce of the United States, 1982

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	PASSENGERS
PROJECT			
ALGOMA HARBOR, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	159	-----
ALGONAC, MICH. (INCLUDED IN ST. CLAIR RIVER)-----	-----	-----	58,076
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.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	1,330	-----
CHARLEVOIX HARBOR, MICH.-----	1121 COAL AND LIGNITE-----	130,691	-----
	1411 LIMESTONE-----	20,961	-----
	2411 LOGS-----	9,487	-----
	2911 GASOLINE-----	419	-----
	2914 DISTILLATE FUEL OIL-----	438	-----
	4112 COMMODITIES, NEC-----	1,328	-----
	TOTAL-----	163,124	16,468
CHEBOYGAN HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	31	-----
	2911 GASOLINE-----	51,220	-----
	2914 DISTILLATE FUEL OIL-----	23,516	-----
	4112 COMMODITIES, NEC-----	500	-----
	TOTAL-----	75,267	11,475
DETOUR, MICH., AND VICINITY (INCLUDED IN ST. MARYS RIVER)---	0911 FRESH FISH, EXCEPT SHELLFISH-----	114	205,456
DETROIT HARBOR, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	225	-----
	2042 ANIMAL FEEDS-----	89	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	236	-----
	2414 TIMBER, POSTS, POLES, PILING-----	1,214	-----
	2911 GASOLINE-----	938	-----
	2914 DISTILLATE FUEL OIL-----	992	-----
	2916 ASPHALT, TAR, AND PITCHES-----	350	-----
	4112 COMMODITIES, NEC-----	2,160	-----
	TOTAL-----	6,204	163,069
EAGLE HARBOR, MICH.-----	NO COMMERCE REPORTED	-----	-----
ECORSE, MICH. (INCLUDED IN PORT OF DETROIT)-----	1121 COAL AND LIGNITE-----	17,567	-----
	2014 TALLOW, ANIMAL FATS AND OILS-----	5,323	-----
	2915 RESIDUAL FUEL OIL-----	61,982	-----
	2916 LUBRICATING OILS AND GREASES-----	3	-----
	3314 IRON AND STEEL PRIMARY FORMS-----	2,266	-----
	3315 IRON, STEEL SHAPES, EXC SHEET-----	14,519	-----
	3318 FERROALLOYS-----	6,720	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	5,131	-----
	3711 MOTOR VEHICLES, PARTS, EQUIP-----	2	-----
	4011 IRON AND STEEL SCRAP-----	39,295	-----
	TOTAL-----	152,788	-----
GLADSTONE HARBOR, MICH.-----	1121 COAL AND LIGNITE-----	11,945	-----
	1499 NONMETALLIC MINERALS, NEC-----	24,141	-----
	2911 GASOLINE-----	54,482	-----
	2914 DISTILLATE FUEL OIL-----	39,954	-----
	TOTAL-----	130,522	-----
GRAND MARAIS HARBOR (HARBOR OF REFUGE), MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	35	-----
GRAND TRAVERSE BAY HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	12	-----
HARBOR BEACH, MICH., HARBOR OF REFUGE, LAKE HURON-----	NO COMMERCE REPORTED	-----	-----
HARRISVILLE HARBOR, MICH., HARBOR OF REFUGE, LAKE HURON---	2912 JET FUEL-----	77,650	-----
HOLLAND HARBOR, MICH.-----	1121 COAL AND LIGNITE-----	107,028	-----
	1411 LIMESTONE-----	32,162	-----
	1499 NONMETALLIC MINERALS, NEC-----	14,614	-----
	2873 PHOSPHATIC CHEM FERTILIZERS-----	18,157	-----
	3312 SLAG-----	23,300	-----
	3318 FERROALLOYS-----	14,104	-----
	TOTAL-----	209,365	-----
KENOSHA HARBOR, WIS.-----	0131 FRESH FRUITS-----	1	-----
	0161 ANIMALS AND PRODUCTS, NEC-----	7,623	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	110	-----
	0912 SHELLFISH, EXCEPT PREPARED-----	39	-----
	1499 NONMETALLIC MINERALS, NEC-----	1,218	-----
	2011 MEAT, FRESH, CHILLED, FROZEN-----	20,700	-----
	2012 MEAT AND PRODUCTS, NEC-----	24	-----
	2022 DRIED MILK AND CREAM-----	8,921	-----
	2039 PREP FRUIT AND VEG JUICE, NEC-----	13	-----
	2041 WHEAT FLOUR AND SEMOLINA-----	2,623	-----
	2042 ANIMAL FEEDS-----	1,035	-----
	2049 GRAIN MILL PRODUCTS, NEC-----	8,213	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	120	-----
	2831 DRUGS-----	36	-----
	3411 FABRICATED METAL PRODUCTS-----	21	-----
	3911 MISC MANUFACTURED PRODUCTS-----	1	-----
	TOTAL-----	50,698	-----

DETROIT, MI, DISTRICT
OTHER HARBORS AND WATERWAYS--CONTINUED

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HARBOR OR WATERWAY	COMMODITY	TONS	PASSENGERS
PROJECT--CONTINUED			
LAC LA BELLE HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	5	-----
LELAND HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	60	-----
	2914 DISTILLATE FUEL OIL-----	4	-----
	4112 COMMODITIES, NEC-----	340	-----
	TOTAL-----	404	32,280
LIME ISLAND, MICH. (INCLUDED IN ST. MARYS RIVER)-----	2915 RESIDUAL FUEL OIL-----	3,557	-----
MACKINAC HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	66	912,877
MACKINAW CITY HARBOR, MICH.-----	2911 GASOLINE-----	88,029	-----
	2914 DISTILLATE FUEL OIL-----	27,959	-----
	TOTAL-----	115,988	361,136
MANISTEE HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	3	-----
	1121 COAL AND LIGNITE-----	144,470	-----
	1411 LIMESTONE-----	31,237	-----
	1499 NONMETALLIC MINERALS, NEC-----	28,671	-----
	3312 SLAG-----	10,180	-----
	TOTAL-----	214,561	-----
MANISTIQUE HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	77	-----
MARINE CITY, MICH. (INCLUDED IN ST. CLAIR RIVER)-----	1411 LIMESTONE-----	109,891	138,377
MARQUETTE HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	97	-----
	1121 COAL AND LIGNITE-----	164,622	-----
	2810 SODIUM HYDROXIDE-----	10,896	-----
	TOTAL-----	175,615	-----
MENOMINEE HARBOR AND RIVER, MICH. AND WIS.-----	0121 TOBACCO, LEAF-----	72	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	80	-----
	1121 COAL AND LIGNITE-----	7A,606	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	5,854	-----
	1499 NONMETALLIC MINERALS, NEC-----	33,633	-----
	2611 PULP-----	2,563	-----
	3312 SLAG-----	10,300	-----
	TOTAL-----	131,108	-----
NEW BUFFALO HARBOR MICHIGAN-----	NO COMMERCE REPORTED		
OCONTO HARBOR, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	27	-----
ONTONAGON HARBOR, MICH.-----	NO COMMERCE REPORTED		
PENSAUKEE HARBOR, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	2,041	-----
PENTWATER HARBOR, MICH.-----	NO COMMERCE REPORTED		
PORT SANILAC HARBOR, MICH.-----	NO COMMERCE REPORTED		
PUT-IN-BAY HARBOR, OHIO-----	0131 FRESH FRUITS-----	30	-----
	1412 BUILDING STONE, UNWORKED-----	145	-----
	2061 SUGAR-----	30	-----
	2911 GASOLINE-----	38	-----
	2914 DISTILLATE FUEL OIL-----	67	-----
	2921 LIQUEFIED GASES-----	265	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	52	-----
	4112 COMMODITIES, NEC-----	5,559	-----
	TOTAL-----	6,186	402,341
RACINE HARBOR, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	76	-----
	1499 NONMETALLIC MINERALS, NEC-----	27,699	-----
	TOTAL-----	27,775	-----
ROGERS CITY, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	60	-----
SAUGATUCK HARBOR AND KALAMAZOO RIVER, MICH.-----	NO COMMERCE REPORTED		
SAULT STE. MARIE, MICH. (INCLUDED IN ST. MARYS RIVER)-----	1121 COAL AND LIGNITE-----	22,942	-----
	1411 LIMESTONE-----	20,440	-----
	2911 GASOLINE-----	40,952	-----
	2914 DISTILLATE FUEL OIL-----	14,616	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	33	-----
	TOTAL-----	9A,983	480,357
SEBOWING, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	97	-----
SHEBOYGAN HARBOR, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	426	-----
	1121 COAL AND LIGNITE-----	115,544	-----
	1499 NONMETALLIC MINERALS, NEC-----	16,623	-----
	2819 BASIC CHEMICALS AND PROD, NEC-----	11,026	-----
	2914 DISTILLATE FUEL OIL-----	4,600	-----
	TOTAL-----	148,219	-----
SOUTH HAVEN HARBOR, MICH.-----	NO COMMERCE REPORTED		
ST. JAMES (BEAVER ISLAND), MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	104	-----
	2411 LOGS-----	9,487	-----
	2911 GASOLINE-----	419	-----

Waterborne Commerce of the United States, 1982

OTHER HARBORS AND WATERWAYS--CONTINUED

HARBOR OR WATERWAY	COMMODITY	TONS	PASSENGERS
PROJECT--CONTINUED			
ST. JAMES (BEAVER ISLAND), MICH. (CONTINUED)-----	2914 DISTILLATE FUEL OIL-----	438	-----
	4112 COMMODITIES, NEC-----	1,328	-----
	TOTAL-----	11,776	16,468
STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	138	-----
	1121 COAL AND LIGNITE-----	145,121	-----
	1411 LIMESTONE-----	3,325	-----
	2920 COKE, PETROLEUM COKE-----	13,941	-----
	TOTAL-----	162,525	2,406
TWO RIVERS HARBOR, WIS.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	7,144	-----
	2671 NITROGENOUS CHEM FERTILIZERS-----	2,514	-----
	TOTAL-----	9,658	-----
WHITE LAKE HARBOR, MICH.-----	NO COMMERCE REPORTED		
WHITEFISH POINT HARBOR, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	44	-----
WYANDOTTE, MICH. (INCLUDED IN PORT OF DETROIT)-----	1121 COAL AND LIGNITE-----	136,402	-----
	2914 DISTILLATE FUEL OIL-----	638	-----
	3241 BUILDING CEMENT-----	21,004	-----
	TOTAL-----	158,044	-----
NONPROJECT			
CALCITE, MICH.-----	1121 COAL AND LIGNITE-----	5,951	-----
	1411 LIMESTONE-----	5,258,873	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	4,500	-----
	TOTAL-----	5,269,324	-----
ESCANABA, MICH.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	130	-----
	1011 IRON ORE AND CONCENTRATES-----	6,073,567	-----
	1121 COAL AND LIGNITE-----	304,039	-----
	2911 GASOLINE-----	70,812	-----
	2914 DISTILLATE FUEL OIL-----	48,738	-----
	3312 SLAG-----	9,800	-----
	TOTAL-----	6,507,086	-----
MARBLEHEAD, OHIO-----	1411 LIMESTONE-----	551,036	154,226
OAK CREEK, WIS.-----	1121 COAL AND LIGNITE-----	632,925	-----
PORT DOLOMITE, MICH.-----	1411 LIMESTONE-----	1,428,527	-----
	3241 BUILDING CEMENT-----	14,004	-----
	3271 LIME-----	9,646	-----
	TOTAL-----	1,452,177	-----
PORT INLAND, MICH.-----	1411 LIMESTONE-----	2,010,772	-----
STONEPORT, MICH.-----	1411 LIMESTONE-----	3,928,834	-----
	3241 BUILDING CEMENT-----	14,141	-----
	TOTAL-----	3,942,975	-----

BUFFALO, NY, DISTRICT

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TOLEDO HARBOR, OHIO

SECTION INCLUDED: CHANNEL IN LAKE ERIE AND 7 MILES IN LOWER MAUMEE RIVER. CONTROLLING DEPTHS: 28 FEET IN THE BAY CHANNEL; 27 FEET IN THE RIVER CHANNEL TO THE TURNING BASIN OPPOSITE THE MID-STATES TERMINALS, INC. DOCK; 27.5 FEET IN THE TURNING BASIN, THENCE 14 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: 28 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: APPROXIMATELY MARCH 1 TO DECEMBER 31.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	24,921,753	22,904	1978-----	27,571,418	10,820
1974-----	21,556,519	15,699	1979-----	26,256,355	10,820
1975-----	23,628,827	16,036	1980-----	22,263,285	22,800
1976-----	25,001,674	26,192	1981-----	22,962,303	19,900
1977-----	23,275,707	-----	1982-----	16,394,188	17,700

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			
		OVERSEAS		CANADIAN		LAKEWISE		INTERNAL	LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	SHIPMENTS	
TOTAL-----	16,394,148	244,486	986,176	720,740	4,594,606	2,929,266	6,835,225	2,363	81,286
0103 CORN-----	2,117,579	-----	453,060	-----	1,664,519	-----	-----	-----	-----
0107 WHEAT-----	143,207	-----	55,281	-----	87,926	-----	-----	-----	-----
0111 SOYBEANS-----	1,075,798	-----	436,562	-----	639,236	-----	-----	-----	-----
0121 TOBACCO, LEAF-----	30	17	-----	13	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,052	-----	-----	-----	-----	-----	-----	-----	1,052
1011 IRON ORE AND CONCENTRATES-----	2,615,943	2,816	-----	-----	-----	2,613,127	-----	-----	-----
1121 COAL AND LIGNITE-----	8,841,806	-----	1,382	-----	2,178,275	48,133	6,614,016	-----	-----
1311 CRUDE PETROLEUM-----	11,900	-----	-----	-----	-----	-----	11,900	-----	-----
1402 SAND, GRAVEL, CRUSHED ROCK-----	80,234	-----	-----	-----	-----	-----	-----	-----	80,234
1451 CLAY-----	37	-----	-----	-----	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	172,124	-----	-----	11,082	-----	161,042	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	1,130	1,130	-----	-----	-----	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	229	-----	-----	-----	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	1,148	1,148	-----	-----	-----	-----	-----	-----	-----
2851 PAINTS-----	69	69	-----	-----	-----	-----	-----	-----	-----
2871 NITROGENOUS CHEM FERTILIZERS-----	105,184	105,184	-----	-----	-----	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	656,409	-----	-----	656,409	-----	-----	-----	-----	-----
2911 GASOLINE-----	64,631	-----	-----	21,291	-----	-----	43,340	-----	-----
2912 JET FUEL-----	36,208	-----	-----	-----	-----	-----	36,208	-----	-----
2914 DISTILLATE FUEL OIL-----	77,600	-----	-----	16,869	-----	7,640	53,891	-----	-----
2915 RESIDUAL FUEL OIL-----	78,233	-----	-----	-----	-----	-----	75,870	2,363	-----
2916 LUBRICATING OILS AND GREASES-----	24,650	-----	-----	-----	24,650	-----	-----	-----	-----
2920 COKE, PETROLEUM COKE-----	69,045	-----	39,843	-----	-----	29,202	-----	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	2	2	-----	-----	-----	-----	-----	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	22	22	-----	-----	-----	-----	-----	-----	-----
3241 BUILDING CEMENT-----	70,122	-----	-----	-----	-----	70,122	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	2,523	2,523	-----	-----	-----	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	77,806	77,806	-----	-----	-----	-----	-----	-----	-----
3316 IRON AND STEEL PLATES, SHEETS-----	1,950	1,950	-----	-----	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	365	365	-----	-----	-----	-----	-----	-----	-----
3318 FERROALLOYS-----	26,362	10,486	-----	15,876	-----	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	12	12	-----	-----	-----	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	701	701	-----	-----	-----	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	39,420	39,420	-----	-----	-----	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	87	87	-----	-----	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	79	76	3	-----	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	345	345	-----	-----	-----	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	14	14	-----	-----	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	52	7	45	-----	-----	-----	-----	-----	-----

SANDUSKY HARBOR, OHIO

SECTION INCLUDED: SOUTHEASTERLY PORTION OF SANDUSKY BAY TO AND INCLUDING PASSENGER ROCKS ON CEDAR POINT. CONTROLLING DEPTH: MOSELY CHANNEL, 27 FEET; BAY CHANNEL AND STRAIGHT CHANNEL FROM MOSELY CHANNEL TO JUNCTION WITH BAY CHANNEL, 25.5 FEET; TURNING BASIN, 24 FEET; DOCK CHANNEL, 21 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
1973-----	4,913,719	208,297	1978-----	3,655,748	178,992
1974-----	4,220,604	214,839	1979-----	5,972,652	173,193
1975-----	4,532,500	187,197	1980-----	6,412,386	165,541
1976-----	5,370,083	378,498	1981-----	5,949,310	128,435
1977-----	4,314,377	186,301	1982-----	5,065,353	114,634

Waterborne Commerce of the United States, 1982

SANDUSKY HARBOR, OHIO--CONTINUED

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN CANADIAN		DOMESTIC LAKEWISE		LOCAL
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	5,065,353	17,207	2,938,338	42,860	2,045,374	21,534
0131 FRESH FRUITS-----	497	-----	-----	497	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	1,318	-----	-----	-----	-----	1,318
1121 COAL AND LIGNITE-----	4,980,305	-----	2,938,338	-----	2,041,971	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	29,429	8,625	-----	-----	588	20,216
1499 NONMETALLIC MINERALS, NEC-----	42,120	-----	-----	42,100	20	-----
2004 GROCERIES-----	209	-----	-----	-----	209	-----
2005 ICE-----	67	-----	-----	-----	67	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	271	-----	-----	-----	271	-----
2421 LUMBER-----	12	-----	-----	-----	12	-----
2491 WOOD MANUFACTURES, NEC-----	2	-----	-----	-----	2	-----
2511 FURNITURE AND FIXTURES-----	9	-----	-----	3	6	-----
2872 POTASSIC CHEM FERTILIZERS-----	100	-----	-----	-----	100	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	8,622	8,622	-----	-----	-----	-----
2911 GASOLINE-----	615	-----	-----	4	411	-----
2914 DISTILLATE FUEL OIL-----	468	-----	-----	-----	468	-----
2918 ASPHALT, TAR, AND PITCHES-----	55	-----	-----	-----	55	-----
2921 LIQUEFIED GASES-----	70	-----	-----	-----	70	-----
3011 RUBBER AND MISC PLASTIC PROD-----	4	-----	4	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	5	-----	-----	-----	5	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	474	-----	-----	211	263	-----
4029 WASTE AND SCRAP, NEC-----	36	-----	-----	36	-----	-----
4112 COMMODITIES, NEC-----	665	-----	-----	9	656	-----

MURON 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 DEPTHS: LAKE APPROACH AND ENTRANCE CHANNEL, 29 FEET; RIVER CHANNEL, 27 FEET; TURNING BASIN, 21 FEET. PROJECT DEPTHS: LAKE APPROACH AND ENTRANCE CHANNELS, 29 FEET; RIVER CHANNEL TO SLIP NO. 1, 28 FEET; FROM SLIP NO. 1 THROUGH EASTERN PORTION OF THE TURNING BASIN, 27 FEET; TURNING BASIN, 21 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	3,655,463	1978-----	2,429,342
1974-----	3,325,132	1979-----	3,457,764
1975-----	2,115,680	1980-----	2,129,061
1976-----	2,855,701	1981-----	2,380,447
1977-----	1,933,192	1982-----	1,893,109

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		LOCAL
		OVERSEAS		CANADIAN		LAKEWISE		
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,893,109	22	87,353	534,795	177,914	1,077,682	15,213	130
0103 CORN-----	200,053		58,441		141,612			
0107 WHEAT-----	17,554		2,341				15,213	
0111 SOYBEANS-----	62,873		28,571		34,302			
0121 TOBACCO, LFAP-----	274				274			
0911 FRESH FISH, EXCEPT SHELLFISH-----	130							130
1011 IRON ORE AND CONCENTRATES-----	1,392,320			534,514		857,806		
1411 LIMESTONE-----	219,876					219,876		
2491 WOOD MANUFACTURES, NEC-----	2				2			
2851 PAINTS-----	21	21						
3111 LEATHER AND LEATHER PRODUCTS-----	1				1			
3211 GLASS AND GLASS PRODUCTS-----	1				1			
3411 FABRICATED METAL PRODUCTS-----	1				1			
3611 ELECTRICAL MACH AND EQUIP-----	1				1			
3711 MOTOR VEHICLES, PARTS, EQUIP-----	1	1						
3911 MISC MANUFACTURED PRODUCTS-----	1				1			

BUFFALO, NY, DISTRICT

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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, 30.5 FEET; A CHANNEL 800 FEET WIDE THROUGH THE OUTER HARBOR, 30.5 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 26 FEET AND THE TURNING BASIN OPPOSITE THE U. S. STEEL CORP., NATIONAL TUBE DIVISION WHICH IS 18 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, 26 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
1973-----	11,584,368	1978-----	8,236,264
1974-----	9,076,890	1979-----	4,833,011
1975-----	7,650,341	1980-----	8,151,368
1976-----	7,439,113	1981-----	13,719,545
1977-----	6,286,913	1982-----	5,672,469

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		CANADIAN		LAKEWISE		
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	5,672,469	245,034	22,000	3,613,811	1,677,934	113,690
0911 FRESH FISH, EXCEPT SHELLFISH-----	360	-----	-----	-----	-----	360
1011 IRON ORE AND CONCENTRATES-----	5,173,735	206,574	-----	3,436,031	1,531,170	-----
1411 LIMESTONE-----	55,816	-----	-----	55,816	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	151,830	38,500	-----	-----	-----	113,330
1494 GYPSUM, CRUDE AND PLASTERS-----	121,964	-----	-----	121,964	-----	-----
2920 COKE, PETROLEUM COKE-----	22,000	-----	22,000	-----	-----	-----
3312 SLAG-----	146,768	-----	-----	-----	146,768	-----

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, 30 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, 26 FEET; CHANNEL BETWEEN PIERS TO CONRAIL RAILROAD BRIDGE, 27.5 FEET; CHANNEL IN CUYAHOGA RIVER FROM PENN CENTRAL RAILROAD TO UPPER PROJECT LIMIT, 22 FEET; TURNING BASIN UPSTREAM FROM E.I. DUPONT DE NEMOURS AND COMPANY, INC., GRASSELLI CHEMICAL DIVISION DOCK, 19.5 FEET; OLD RIVER TO SAND PRODUCTS CORPORATION DOCK, 23 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, 26 FEET; REMAINING 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 PIER TO IMMEDIATELY ABOVE JUNCTION WITH OLD RIVER, 27 FEET; OLD RIVER TO UPPER PROJECT LIMIT, 27 FEET; REMAINDER OF CUYAHOGA RIVER, 23 FEET; TURNING BASIN UPSTREAM FROM E.I. DUPONT DE NEMOURS & CO., GRASSELLI CHEMICAL DIVISION DOCK, 18 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	24,828,323	145,157	1978-----	19,658,862	127,820
1974-----	21,933,874	211,102	1979-----	19,470,349	120,400
1975-----	18,145,180	140,231	1980-----	14,045,151	-----
1976-----	18,167,579	112,874	1981-----	13,903,840	27,200
1977-----	16,103,781	78,721	1982-----	8,941,232	184,000

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		
		OVERSEAS		CANADIAN		LAKEWISE		LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	8,941,232	377,201	17,391	900,601	398,585	6,683,184	390,663	173,607
0102 BARLEY AND RYE-----	3,179	-----	-----	-----	-----	3,179	-----	-----
0107 WHEAT-----	72,674	-----	-----	-----	-----	72,674	-----	-----
0121 TOBACCO, LEAF-----	30	30	-----	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	248	-----	-----	-----	-----	-----	-----	248
1011 IRON ORE AND CONCENTRATES-----	5,380,815	-----	-----	496,155	-----	4,884,660	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	10,723	10,720	3	-----	-----	-----	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	6,053	6,053	-----	-----	-----	-----	-----	-----
1411 LIMESTONE-----	1,340,568	-----	-----	-----	13,748	1,326,820	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	541,685	-----	-----	287,910	-----	82,940	-----	170,835
1491 CLAY-----	3	3	-----	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	730,874	35,837	-----	10,508	362,437	-----	321,692	-----
2014 TALLOW, ANIMAL FATS AND OILS-----	1,460	-----	1,460	-----	-----	-----	-----	-----
2034 VEGETABLES AND PREP, NEC-----	41	41	-----	-----	-----	-----	-----	-----
2041 WHEAT FLOUR AND SEMOLINA-----	6,793	-----	6,793	-----	-----	-----	-----	-----
2081 ALCOHOLIC BEVERAGES-----	826	826	-----	-----	-----	-----	-----	-----
2099 MISCELLANEOUS FOOD PRODUCTS-----	41	41	-----	-----	-----	-----	-----	-----
2211 BASIC TEXTILE PRODUCTS-----	57	57	-----	-----	-----	-----	-----	-----
2421 LUMBER-----	120	39	81	-----	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	21	19	2	-----	-----	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	583	11	572	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	10	10	-----	-----	-----	-----	-----	-----
2819 BASIC CHEMICALS AND PROD, NEC-----	3,329	84	-----	3,245	-----	-----	-----	-----
2821 PLASTIC MATERIALS-----	3	1	2	-----	-----	-----	-----	-----
2851 PAINTS-----	69	69	-----	-----	-----	-----	-----	-----

Waterborne Commerce of the United States, 1982

CLEVELAND HARBOR, OHIO--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			LOCAL
		OVERSEAS		CANADIAN		LAKEWISE			
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS		
2876 INSECTICIDES, DISINFECTANTS-----	6	-----	6	-----	-----	-----	-----	-----	
2891 MISCELLANEOUS CHEMICAL PROD-----	210	172	38	-----	-----	-----	-----	-----	
2915 RESIDUAL FUEL OIL-----	126,598	-----	-----	66,825	-----	41,778	15,471	2,524	
2916 LUBRICATING OILS AND GREASES-----	1	-----	1	-----	-----	-----	-----	-----	
2918 ASPHALT, TAR, AND PITCHES-----	39,061	-----	-----	-----	39,061	-----	-----	-----	
2920 COKE, PETROLEUM COKE-----	30,500	-----	-----	22,000	-----	-----	8,500	-----	
3011 RUBBER AND MISC PLASTIC PROD-----	28	28	-----	-----	-----	-----	-----	-----	
3201 BUILDING CEMENT-----	232,072	-----	-----	-----	-----	232,072	-----	-----	
3251 STRUCTURAL CLAY PRODUCTS-----	59	59	-----	-----	-----	-----	-----	-----	
3261 CUT STONE AND STONE PRODUCTS-----	19	19	-----	-----	-----	-----	-----	-----	
3291 MISC NONMETALLIC MINERAL PROD-----	21	15	6	-----	-----	-----	-----	-----	
3312 SLAG-----	45,000	-----	-----	-----	-----	-----	45,000	-----	
3314 IRON AND STEEL PRIMARY FORMS-----	15,796	11,740	4,016	-----	-----	-----	-----	-----	
3315 IRON, STEEL SHAPES, EXC SHEET-----	286,942	278,759	-----	8,183	-----	-----	-----	-----	
3316 IRON AND STEEL PLATES, SHEETS-----	1,071	807	264	-----	-----	-----	-----	-----	
3317 IRON AND STEEL PIPE AND TUBE-----	3,092	3,086	-----	6	-----	-----	-----	-----	
3318 FERROALLOYS-----	22,176	22,176	-----	-----	-----	-----	-----	-----	
3319 IRON AND STEEL PRODUCTS, NEC-----	292	268	24	-----	-----	-----	-----	-----	
3321 NONFERROUS METALS, NEC-----	72	72	-----	-----	-----	-----	-----	-----	
3322 COPPER ALLOYS, UNWORKED-----	57	20	37	-----	-----	-----	-----	-----	
3323 LEAD AND ZINC, UNWORKED-----	3,145	3,145	-----	-----	-----	-----	-----	-----	
3324 ALUMINUM AND ALLOYS, UNWORKED-----	461	461	-----	-----	-----	-----	-----	-----	
3411 FABRICATED METAL PRODUCTS-----	513	285	228	-----	-----	-----	-----	-----	
3511 MACHINERY, EXCEPT ELECTRICAL-----	3,047	1,575	1,472	-----	-----	-----	-----	-----	
3611 ELECTRICAL MACH AND EQUIP-----	313	131	182	-----	-----	-----	-----	-----	
3711 MOTOR VEHICLES, PARTS, EQUIP-----	2,235	39	2,196	-----	-----	-----	-----	-----	
3731 SHIPS AND BOATS-----	12	12	-----	-----	-----	-----	-----	-----	
3911 MISC MANUFACTURED PRODUCTS-----	1	1	-----	-----	-----	-----	-----	-----	
4011 IRON AND STEEL SCRAP-----	28,094	325	-----	27,769	-----	-----	-----	-----	
4012 NONFERROUS METAL SCRAP-----	81	81	-----	-----	-----	-----	-----	-----	
4112 COMMODITIES, NEC-----	44	44	-----	-----	-----	-----	-----	-----	
9999 DEPARTMENT OF DEFENSE AND SCI-----	8	-----	8	-----	-----	-----	-----	-----	

FAIRPORT HARBOR, OHIO

SECTION INCLUDED: OUTER HARBOR AND GRAND RIVER FROM MOUTH TO AND INCLUDING DIAMOND ALKALI COMPANY STONE DOCK, 1.5 MILES. CONTROLLING DEPTHS: ENTRANCE CHANNEL, 27 FEET; OUTER HARBOR, 26.5 FEET; GRAND RIVER TO UPSTREAM OF REPUBLIC STEEL, 24.5 FEET; REMAINING LENGTH OF GRAND RIVER TO THE UPPER PROJECT LIMIT, 20 FEET; EXCEPT FOR 1,000 FEET OF THE UPSTREAM END OF THE WEST SIDE OF THE CHANNEL, 5 FEET; TURNING BASIN, 18 FEET. MAINTENANCE DEPTHS: ENTRANCE CHANNEL AND OUTER HARBOR, 25 FEET; GRAND RIVER TO UPSTREAM OF REPUBLIC STEEL, 24 FEET; REMAINING LENGTH OF GRAND RIVER TO THE UPPER PROJECT LIMITS, 21 FEET; TURNING BASIN, 18 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	3,681,272	1978-----	2,590,469
1974-----	2,937,601	1979-----	2,391,800
1975-----	3,020,122	1980-----	1,906,627
1976-----	2,677,023	1981-----	1,674,166
1977-----	2,199,262	1982-----	1,626,977

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN		DOMESTIC		LOCAL
		CANADIAN		LAKEWISE		
		IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	1,626,977	78,143	373,506	860,161	245,042	70,125
0911 FRESH FISH, EXCEPT SHELLFISH-----	162	-----	-----	-----	-----	162
1011 IRON ORE AND CONCENTRATES-----	50,958	50,958	-----	-----	-----	-----
1411 LIMESTONE-----	860,161	-----	-----	860,161	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	103,354	27,145	4,206	-----	-----	69,963
1499 NONMETALLIC MINERALS, NEC-----	612,342	-----	367,300	-----	245,042	-----

BUFFALO, NY, 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: WESTERLY PORTION OF OUTER HARBOR TO INNER BREAKWATER & APPROACH CHANNEL TO DOCKS EAST OF INNER BREAKWATER, 30 FEET TURNING BASIN IN EASTERLY PORTION OF THE OUTER HARBOR, 22 FEET; 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, 20 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, 18 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
1973-----	10,872,484	1978-----	12,830,261
1974-----	10,852,259	1979-----	14,602,645
1975-----	8,738,094	1980-----	10,074,956
1976-----	11,700,411	1981-----	9,947,753
1977-----	11,632,975	1982-----	6,832,337

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN			DOMESTIC		
		OVERSEAS	CANADIAN		LAKEWISE		LOCAL
		IMPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	6,832,337	96,173	289,444	4,200,551	1,438,488	807,667	14
0911 FRESH FISH, EXCEPT SMELLFISH-----	14	-----	-----	-----	-----	-----	14
1011 IRON ORE AND CONCENTRATES-----	1,435,184	-----	238,020	-----	1,197,164	-----	-----
1091 NONFERROUS ORES, CONCENT, NEC-----	32,384	32,384	-----	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	5,008,218	-----	-----	4,200,551	-----	807,667	-----
1411 LIMESTONE-----	241,324	-----	-----	-----	241,324	-----	-----
1451 CLAY-----	9,026	9,026	-----	-----	-----	-----	-----
2431 VENEER, PLYWOOD, WORKED WOOD-----	946	-----	946	-----	-----	-----	-----
2873 PHOSPHATIC CHEM FERTILIZERS-----	19,997	-----	19,997	-----	-----	-----	-----
3314 IRON AND STEEL PRIMARY FORMS-----	1,599	-----	1,599	-----	-----	-----	-----
3315 IRON, STEEL SHAPES, EXC SHEET-----	10,938	7,027	3,911	-----	-----	-----	-----
3318 FERROALLOYS-----	23,482	9,995	13,487	-----	-----	-----	-----
3321 NONFERROUS METALS, NEC-----	86	86	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	2	2	-----	-----	-----	-----	-----
4012 NONFERROUS METAL SCRAP-----	49,137	37,653	11,484	-----	-----	-----	-----

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, 21 FEET; ACCESS CHANNEL TO CITY DOCK, 2 FEET; EASTERLY PORTION OF OUTER HARBOR 29 FEET. INNER HARBOR, 28.5 FEET; PROJECT DEPTH: EASTERLY PORTION OF OUTER HARBOR, 28 FEET; WESTERLY PORTION OF OUTER HARBOR, 22 FEET; ACCESS CHANNEL TO CITY DOCK 8 FEET; INNER HARBOR, 27 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	16,731,912	1978-----	17,427,794
1974-----	18,566,435	1979-----	21,478,061
1975-----	19,192,311	1980-----	18,654,609
1976-----	18,464,534	1981-----	16,150,563
1977-----	15,146,627	1982-----	10,968,273

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN			DOMESTIC		LOCAL
		OVERSEAS	CANADIAN		LAKEWISE		
		EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	10,968,273	56,180	413,267	8,724,108	413,869	1,360,551	298
0911 FRESH FISH, EXCEPT SHELLFISH-----	298	-----	-----	-----	-----	-----	298
1011 IRON ORE AND CONCENTRATES-----	413,267	-----	413,267	-----	-----	-----	-----
1121 COAL AND LIGNITE-----	10,128,139	56,180	-----	8,711,408	-----	1,360,551	-----
1411 LIMESTONE-----	413,869	-----	-----	-----	413,869	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	12,700	-----	-----	12,700	-----	-----	-----

Waterborne Commerce of the United States, 1982

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, 29 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, 18 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 28 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
1973-----	1,283,342	14,496	1978-----	1,129,985	67,200
1974-----	903,187	9,208	1979-----	833,707	27,360
1975-----	1,218,153	9,735	1980-----	508,075	24,088
1976-----	1,157,637	-----	1981-----	754,698	20,428
1977-----	954,672	-----	1982-----	624,432	14,698

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		
		OVERSEAS		CANADIAN		LAKEWIDE		LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	624,432	3,552	56,359	14,508	18,768	407,468	14,428	109,349
0129 FIELD CROPS, NEC-----	29	29	-----	-----	-----	-----	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	268	-----	-----	-----	-----	-----	-----	268
1121 COAL AND LIGNITE-----	34,196	-----	-----	-----	18,768	-----	14,428	-----
1411 LIMESTONE-----	356,150	-----	-----	-----	-----	356,150	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	109,081	-----	-----	-----	-----	-----	-----	109,081
1499 NONMETALLIC MINERALS, NEC-----	51,318	-----	-----	-----	-----	51,318	-----	-----
2411 LOGS-----	1,863	-----	1,863	-----	-----	-----	-----	-----
2421 LUMBER-----	1,920	-----	1,920	-----	-----	-----	-----	-----
2511 FURNITURE AND FIXTURES-----	19	19	-----	-----	-----	-----	-----	-----
2691 PULP AND PAPER PRODUCTS, NEC-----	83	-----	83	-----	-----	-----	-----	-----
2831 DRUGS-----	19	19	-----	-----	-----	-----	-----	-----
2841 SOAP-----	19	-----	19	-----	-----	-----	-----	-----
3201 CUT STONE AND STONE PRODUCTS-----	32	32	-----	-----	-----	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	20	20	-----	-----	-----	-----	-----	-----
3318 FERROALLOYS-----	17,810	3,307	-----	14,503	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	121	121	-----	-----	-----	-----	-----	-----
3411 FABRICATED METAL PRODUCTS-----	417	-----	417	-----	-----	-----	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	23	5	13	5	-----	-----	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	598	-----	598	-----	-----	-----	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	300	-----	300	-----	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT-----	4,661	-----	4,661	-----	-----	-----	-----	-----
4011 IRON AND STEEL SCRAP-----	46,484	-----	46,484	-----	-----	-----	-----	-----
4112 COMMODITIES, NEC-----	1	-----	1	-----	-----	-----	-----	-----

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

SECTION INCLUDED: OUTER HARBOR, LACKAWANNA CANAL, UNION CANAL. BUFFALO RIVER FROM MOUTH TO CONRAIL R. Y. BRIDGE, 5.5 MILES. BUFFALO SHIP CANAL, AND BLACK ROCK LOCK CANAL TO THE BLACK ROCK LOCK. CONTROLLING DEPTHS: OUTER AREA OF SOUTH ENTRANCE CHANNEL, 30 FEET; SOUTH ENTRANCE CHANNEL 29.5 FEET; SOUTHERN PORTION OF OUTER HARBOR, 28 FEET; 900 FEET WIDE SECTION ADJACENT TO THE SOUTH BREAKWATER BEGINNING 2,000 FEET NORTH OF THE SOUTH BREAKWATER AND PROCEEDING NORTHERLY 4,200 FEET, 23 FEET; THENCE 27 FEET TO THE INTERNATIONAL SALT COMPANY AND 23 FEET IN THE REMAINDER OF THE OUTER HARBOR TO THE NORTH; NEW NORTH ENTRANCE CHANNEL, 25 FEET; BLACK ROCK CANAL, 21 FEET; BUFFALO RIVER ENTRANCE, BUFFALO RIVER AND BUFFALO SHIP CANAL, 22 FEET. PROJECT DEPTH: OUTER AREA OF SOUTH ENTRANCE CHANNEL, 30 FEET; SOUTH ENTRANCE CHANNEL 29 FEET; SOUTHERN PORTION OF OUTER HARBOR, 28 FEET; 900 FEET WIDE SECTION ADJACENT TO THE SOUTH BREAKWATER BEGINNING 2,000 FEET NORTH OF THE SOUTH BREAKWATER AND PROCEEDING NORTHERLY 4,200 FEET, 23 FEET. MIDDLE SECTION OF THE OUTER HARBOR, 27 FEET; NORTH OUTER HARBOR, 23 FEET; NORTH ENTRANCE CHANNEL, 25 FEET; BUFFALO RIVER ENTRANCE, BUFFALO RIVER AND BUFFALO SHIP CANAL, 22 FEET. BLACK ROCK CANAL, 21 FEET.

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	PASSENGERS	YEAR	TONS	PASSENGERS
1973-----	12,603,820	-----	1978-----	9,134,753	-----
1974-----	9,576,553	2	1979-----	8,315,880	-----
1975-----	7,018,748	-----	1980-----	5,470,309	-----
1976-----	11,481,716	24	1981-----	5,780,021	-----
1977-----	7,975,244	-----	1982-----	3,551,960	-----

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC		
		OVERSEAS		CANADIAN		LAKEWIDE		LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	3,551,960	11,991	4,024	496,621	11,000	2,472,645	539,028	2,535
0102 BARLEY AND RYE-----	79,715	-----	-----	-----	79,715	-----	-----	-----
0107 WHEAT-----	1,331,307	-----	-----	31,046	-----	1,300,261	-----	-----
0911 FRESH FISH, EXCEPT SHELLFISH-----	3	-----	-----	-----	-----	-----	-----	3
1011 IRON ORE AND CONCENTRATES-----	1,376,010	-----	-----	281,213	-----	635,203	459,594	-----
1411 LIMESTONE-----	248,727	-----	-----	-----	-----	169,293	79,434	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	106,498	-----	-----	-----	-----	106,498	-----	-----
1451 CLAY-----	1,775	1,775	-----	18	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	93,980	-----	-----	64,650	-----	29,300	-----	-----
2014 YALLOW, ANIMAL FATS AND OILS-----	1,195	-----	1,195	-----	-----	-----	-----	-----

BUFFALO, NY, DISTRICT

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

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			
		OVERSEAS		CANADIAN		LAKEWIDE		INTERNAL	LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	
2021 DAIRY PRODUCTS, NEC-----	23			23					
2081 ALCOHOLIC BEVERAGES-----	23			23					
2021 LUMBER-----	305		305						
2073 PHOSPHATIC CHEM FERTILIZERS----	6,933			6,933					
2011 GASOLINE-----	5,003					2,468		2,535	
2014 DISTILLATE FUEL OIL-----	32,662					26,297			6,365
2015 RESIDUAL FUEL OIL-----	51,139			43,391					7,748
2020 COKE, PETROLEUM COKE-----	20,800				11,000	17,800			
3011 RUBBER AND MISC PLASTIC PROD----	31	4		27					
3241 BUILDING CEMENT-----	174,713			68,903		104,810			
3291 MISC NONMETALLIC MINERAL PROD----	1			1					
3315 IRON, STEEL SHAPES, EXC SHEET----	6,213	6,203		10					
3318 FERROALLOYS-----	3,968	3,968							
3411 FABRICATED METAL PRODUCTS-----	349			349					
3511 MACHINERY, EXCEPT ELECTRICAL----	14	2		12					
3611 ELECTRICAL MACH AND EQUIP-----	30	30							
3711 MOTOR VEHICLES, PARTS, EQUIP----	17	1		16					
3731 SHIPS AND BOATS-----	4			4					
3911 MISC MANUFACTURED PRODUCTS-----	1		1						
4011 IRON AND STEEL SCRAP-----	2,523		2,523						
4012 NONFERROUS METAL SCRAP-----	20	20							
4112 COMMODITIES, NEC-----	2			2					

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
1973-----	635,314	1978-----	889,964
1974-----	904,378	1979-----	559,084
1975-----	627,816	1980-----	563,579
1976-----	827,693	1981-----	455,607
1977-----	760,021	1982-----	430,150

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN	DOMESTIC		
		CANADIAN	LAKEWIDE		LOCAL
		IMPORTS	RECEIPTS	SHIPMENTS	
TOTAL-----	430,150	25,134	207,261	103,818	13,937
1121 COAL AND LIGNITE-----	34,540	-----	34,540	-----	-----
2011 GASOLINE-----	53,751	10,411	43,340	-----	-----
2012 JET FUEL-----	88,168	-----	7,490	80,678	-----
2014 DISTILLATE FUEL OIL-----	83,715	-----	69,886	7,640	6,189
2015 RESIDUAL FUEL OIL-----	83,554	14,723	61,083	-----	7,748
2018 ASPHALT, TAR, AND PITCHES-----	43,522	-----	43,522	-----	-----
2020 COKE, PETROLEUM COKE-----	42,900	-----	27,400	15,500	-----
TOTAL TON-MILES, 2,759,878.					

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
1973-----	13,176,588		1978-----	9,961,560	
1974-----	10,442,084	2	1979-----	8,840,496	
1975-----	7,618,212		1980-----	5,986,470	
1976-----	12,267,468	28	1981-----	6,181,156	
1977-----	8,696,209		1982-----	3,968,173	

Waterborne Commerce of the United States, 1982

PORT OF BUFFALO, N. Y.--CONTINUED

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC			LOCAL
		OVERSEAS		CANADIAN		LAKEWISE		INTERNAL	
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	SHIPMENTS	RECEIPTS	
TOTAL-----	3,968,173	11,991	4,024	521,755	11,000	2,759,906	642,846	2,535	14,116
0102 BARLEY AND RYE-----	79,715					79,715			
0107 WHEAT-----	1,331,307			31,046		1,300,261			
0911 FRESH FISH, EXCEPT SHELLFISH-----	3								3
1011 IRON ORE AND CONCENTRATES-----	1,376,010			281,213		635,203	459,594		
1121 COAL AND LIGNITE-----	34,540					34,540			
1411 LIMESTONE-----	248,727					169,293	79,434		
1442 SAND, GRAVEL, CRUSHED ROCK-----	106,498					106,498			
1451 CLAY-----	1,773	1,773		18					
1499 NONMETALLIC MINERALS, NEC-----	93,950			64,650		29,300			
2014 TALLOW, ANIMAL FATS AND OILS-----	1,195		1,195						
2021 DAIRY PRODUCTS, NEC-----	23			23					
2081 ALCOHOLIC BEVERAGES-----	23			23					
2421 LUMBER-----	305		305						
2673 PHOSPHATIC CHEM FERTILIZERS-----	6,933			6,933					
2911 GASOLINE-----	58,754			10,411		45,404		2,535	
2912 JET FUEL-----	88,168					7,490	80,678		
2914 DISTILLATE FUEL OIL-----	110,188					96,183	7,640		6,365
2915 RESIDUAL FUEL OIL-----	126,945			58,114		61,083			7,748
2918 ASPHALT, TAR, AND BITUMENS-----	43,522					43,522			
2920 COKE, PETROLEUM COKE-----	71,700				11,000	45,200	15,500		
3211 RUBBER AND MISC PLASTIC PROD-----	31	4		27					
3241 BUILDING CEMENT-----	174,713			68,903		105,410			
3291 MISC NONMETALLIC MINERAL PROD-----	1			1					
3315 IRON, STEEL SHAPES, EXC SHEET-----	6,213	6,203		10					
3318 FERROALLOYS-----	3,968	3,968							
3411 FABRICATED METAL PRODUCTS-----	349			349					
3511 MACHINERY, EXCEPT ELECTRICAL-----	14	2		12					
3611 ELECTRICAL MACH AND EQUIP-----	38	38							
3711 MOTOR VEHICLES, PARTS, EQUIP-----	17	1		14					
3731 SHIPS AND BOATS-----	4			4					
3911 MISC MANUFACTURED PRODUCTS-----	1		1						
4011 IRON AND STEEL SCRAP-----	2,523		2,523						
4012 NONFERROUS METAL SCRAP-----	20	20							
4112 COMMODITIES, NEC-----	2			2					

OSWEGO HARBOR, N. Y.

SECTION INCLUDED: OUTER HARBOR AND OSWEGO RIVER FROM MOUTH TO NEW YORK STATE BARGE CANAL LOCK NO. 8. CONTROLLING DEPTHS: LAKE APPROACH CHANNEL, 27.5 FEET; CHANNEL THROUGH OUTER HARBOR, 25 FEET; WEST SIDE OF OUTER HARBOR, 21 FEET; EAST SIDE AND OSWEGO RIVER CHANNEL, 24 FEET. 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
1973-----	930,877	1978-----	1,215,979
1974-----	902,343	1979-----	1,495,067
1975-----	847,987	1980-----	860,144
1976-----	1,014,135	1981-----	1,039,707
1977-----	1,346,112	1982-----	542,128

FREIGHT TRAFFIC, 1982

(SHORT TONS)

COMMODITY	TOTAL	FOREIGN				DOMESTIC	
		OVERSEAS		CANADIAN		LAKEWISE	LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	
TOTAL-----	542,128	1,998	5,231	427,505	3,102	104,124	8
0102 BARLEY AND RYE-----	25,343					25,343	
0133 COFFEE-----	86					86	
0911 FRESH FISH, EXCEPT SHELLFISH-----	8						8
1442 SAND, GRAVEL, CRUSHED ROCK-----	21					21	
1499 NONMETALLIC MINERALS, NEC-----	20,443			20,160		283	
2034 VEGETABLES AND PREP, NEC-----	104			39		65	
2039 PREP FRUIT AND VEG JUICE, NEC-----	20					20	
2041 WHEAT FLOUR AND SEMOLINA-----	79					79	
2042 ANIMAL FEEDS-----	15					15	
2049 GRAIN MILL PRODUCTS, NEC-----	73			7		66	
2099 MISCELLANEOUS FOOD PRODUCTS-----	114			37		77	
2211 BASIC TEXTILE PRODUCTS-----	1,992	1,990				2	
2431 PAPER AND PAPERBOARD-----	862			484		376	
2491 PULP AND PAPER PRODUCTS, NEC-----	112			69		43	
2711 PRINTED MATTER-----	90					90	
2812 DYES, PIGMENT, TANNING MATS-----	1					1	
2816 RADIOACTIVE MATERIALS, WASTES-----	2					2	
2819 BASIC CHEMICALS AND PROD, NEC-----	216			1		215	
2821 PLASTIC MATERIALS-----	270		4			266	
2831 DRUGS-----	9					9	
2841 SOAP-----	29				5	20	
2851 PAINTS-----	4					4	
2873 PHOSPHATIC CHEM FERTILIZERS-----	45,600			45,600			
2876 INSECTICIDES, DISINFECTANTS-----	1					1	

BUFFALO, NY, DISTRICT

OSWEGO HARBOR, N. Y.--CONTINUED

FREIGHT TRAFFIC, 1982--CONTINUED

(SHORT TONS)

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COMMODITY	TOTAL	FOREIGN				DOMESTIC	
		OVERSEAS		CANADIAN		LAKELAND	LOCAL
		IMPORTS	EXPORTS	IMPORTS	EXPORTS	RECEIPTS	
2891 MISCELLANEOUS CHEMICAL PROD-----	49	-----	-----	-----	49	-----	-----
2915 RESIDUAL FUEL OIL-----	290,788	-----	-----	212,067	-----	78,721	-----
2916 LUBRICATING OILS AND GREASES-----	110	-----	-----	105	5	-----	-----
2991 PETROLEUM AND COAL PROD, NEC-----	7	-----	-----	-----	7	-----	-----
3011 RUBBER AND MISC PLASTIC PROD-----	100	-----	-----	30	70	-----	-----
3111 LEATHER AND LEATHER PRODUCTS-----	6	-----	-----	2	4	-----	-----
3211 GLASS AND GLASS PRODUCTS-----	910	-----	-----	906	4	-----	-----
3241 BUILDING CEMENT-----	143,145	-----	-----	143,145	-----	-----	-----
3317 IRON AND STEEL PIPE AND TUBE-----	155	-----	-----	155	-----	-----	-----
3318 FERROALLOYS-----	26	-----	-----	21	5	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC-----	34	-----	-----	-----	34	-----	-----
3321 NONFERROUS METALS, NEC-----	88	-----	-----	-----	88	-----	-----
3322 COPPER ALLOYS, UNWORKED-----	4	-----	-----	-----	4	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED-----	4,847	-----	-----	4,162	685	-----	-----
3411 FABRICATED METAL PRODUCTS-----	267	-----	167	-----	100	-----	-----
3511 MACHINERY, EXCEPT ELECTRICAL-----	123	4	-----	64	75	-----	-----
3611 ELECTRICAL MACH AND EQUIP-----	329	-----	-----	145	184	-----	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	10	-----	-----	6	4	-----	-----
3911 MISC MANUFACTURED PRODUCTS-----	2	-----	-----	-----	2	-----	-----
4012 NONFERROUS METAL SCRAP-----	5,513	-----	5,068	449	-----	-----	-----
4024 PAPER WASTE AND SCRAP-----	120	-----	-----	-----	120	-----	-----
4112 COMMODITIES, NEC-----	5	-----	-----	4	1	-----	-----

Waterborne Commerce of the United States, 1982

OTHER HARBORS AND WATERWAYS

HARBOR OR WATERWAY	COMMODITY	TONS	PASSENGERS
PROJECT			
BARCELONA HARBOR, N. Y.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	31	-----
CAPE VINCENT, N. Y.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	7	71,176
DUNKIRK HARBOR, N. Y.-----	0911 FRESH FISH, EXCEPT SHELLFISH-----	64	-----
GREAT BODUS BAY HARBOR, N. Y.-----	NO COMMERCE REPORTED		
KELLEYS ISLAND, OHIO-----	1442 SAND, GRAVEL, CRUSHED ROCK-----	581	-----
	1499 NONMETALLIC MINERALS, NEC-----	20	-----
	2094 GROCERIES-----	209	-----
	2095 ICE-----	87	-----
	2099 MISCELLANEOUS FOOD PRODUCTS-----	271	-----
	2491 WOOD MANUFACTURES, NEC-----	2	-----
	2511 FURNITURE AND FIXTURES-----	6	-----
	2911 GASOLINE-----	579	-----
	2914 DISTILLATE FUEL OIL-----	347	-----
	2918 ASPHALT, TAR, AND PITCHES-----	55	-----
	2921 LIQUEFIED GASES-----	62	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	473	-----
	4029 WASTE AND SCRAP, NEC-----	36	-----
	4112 COMMODITIES, NEC-----	642	-----
	TOTAL-----	3,350	159,472
NIAGARA FALLS, N. Y.-----	NO COMMERCE REPORTED		
OGDENSBURG HARBOR, N. Y.-----	1011 IRON ORE AND CONCENTRATES-----	20,649	-----
	1091 NONFERROUS ORES, CONCENT, NMC-----	5,512	-----
	2911 GASOLINE-----	21,129	-----
	3011 RUBBER AND MISC PLASTIC PROD-----	11	-----
	TOTAL-----	55,321	-----
PORT CLINTON HARBOR, OHIO-----	0131 FRESH FRUITS-----	30	-----
	0911 FRESH FISH, EXCEPT SHELLFISH-----	2,432	-----
	1442 SAND, GRAVEL, CRUSHED ROCK-----	4,256	-----
	2061 SUGAR-----	30	-----
	2911 GASOLINE-----	60	-----
	2914 DISTILLATE FUEL OIL-----	119	-----
	2921 LIQUEFIED GASES-----	279	-----
	3511 MACHINERY, EXCEPT ELECTRICAL-----	18	-----
	4112 COMMODITIES, NEC-----	6,038	-----
	TOTAL-----	13,262	67,221
ROCHESTER (CHARLOTTE) HARBOR, N. Y.-----	2111 TOBACCO MANUFACTURES-----	18	-----
	3241 BUILDING CEMENT-----	192,149	-----
	3411 FABRICATED METAL PRODUCTS-----	1	-----
	TOTAL-----	192,168	-----
SACKETT 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-----	776	-----
WADDINGTON HARBOR, N. Y.-----	NO COMMERCE REPORTED		

ROCK ISLAND, IL, DISTRICT

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

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

COMPARATIVE STATEMENT OF TRAFFIC

YEAR	TONS	YEAR	TONS
1973-----	40,122,307	1978-----	37,251,157
1974-----	41,229,726	1979-----	35,150,250
1975-----	43,595,825	1980-----	41,703,337
1976-----	43,065,859	1981-----	39,764,349
1977-----	40,636,496	1982-----	39,471,855

* PASSENGERS--77,730.

FREIGHT TRAFFIC, 1982

COASTWISE

(SHORT TONS)

COMMODITY	TOTAL	DOMESTIC COASTWISE	
		RECEIPTS	THROUGH UPBOUND
TOTAL-----	5,294	2,476	2,818
2042 ANIMAL FEEDS-----	3,921	1,303	2,618
2671 NITROGENOUS CHEM FERTILIZERS-----	1,373	1,373	-----
TON-MILES, COASTWISE, 1,199,587.			

INTERNAL

(SHORT TONS)

COMMODITY	TOTAL	UPBOUND	THROUGH		DOWNBOUND	THROUGH		DOWNBOUND
			UPBOUND	UPBOUND		DOWNBOUND	DOWNBOUND	
TOTAL-----	39,466,561	32,488	3,994,430	4,752,817	5,104,559	666,003	1,824,176	19,675,009
0103 CORN-----	14,317,655	-----	2,955	1,595	-----	2,851	-----	13,895,040
0106 SORGHUM GRAINS-----	18,192	-----	-----	-----	-----	-----	-----	18,192
0107 WHEAT-----	542,322	4,501	23,066	34,964	71,336	8,805	-----	321,145
0111 SOYBEANS-----	3,753,676	-----	-----	1,563	-----	-----	-----	3,531,622
0119 OILSEEDS, NEC-----	1,072	-----	-----	-----	-----	-----	-----	1,072
1011 IRON ORE AND CONCENTRATES-----	45,647	-----	1,398	-----	44,249	-----	-----	-----
1051 ALUMINUM ORES, CONCENTRATES-----	39,301	-----	-----	-----	39,301	-----	-----	-----
1061 MANGANESE ORES, CONCENTRATES-----	10,081	-----	-----	-----	5,958	-----	-----	4,123
1091 NONFERROUS ORES, CONCENT, NEC-----	14,951	-----	8,159	-----	8,180	-----	-----	2,612
1121 COAL AND LIGNITE-----	4,434,252	-----	545,924	3,155,058	359,904	309,183	58,936	5,247
1311 CRUDE PETROLEUM-----	361,299	-----	-----	14,985	34,004	-----	-----	312,310
1411 LIMESTONE-----	4,423	-----	1,588	-----	2,835	-----	-----	-----
1442 SAND, GRAVEL, CRUSHED ROCK-----	1,651,005	-----	4,574	1,057,019	46,987	4,050	519,798	18,577
1451 CLAY-----	2,911	-----	-----	-----	2,911	-----	-----	-----
1471 PHOSPHATE ROCK-----	2,885	-----	2,885	-----	-----	-----	-----	-----
1493 SULPHUR, LIQUID-----	58,128	-----	-----	-----	-----	-----	58,128	-----
1494 GYPSUM, CRUDE AND PLASTER-----	1,414	-----	1,414	-----	-----	-----	-----	-----
1499 NONMETALLIC MINERALS, NEC-----	978,749	-----	263,663	-----	663,655	48,600	-----	2,831
2014 TALLOW, ANIMAL FATS AND OILS-----	113,160	-----	-----	-----	-----	-----	-----	113,160
2042 ANIMAL FEEDS-----	949,556	-----	3,060	-----	16,716	-----	1,400	629,550
2049 GRAIN MILL PRODUCTS, NEC-----	159,259	-----	3,374	-----	-----	-----	145,981	9,904
2061 SUGAR-----	160,248	-----	-----	-----	160,248	-----	-----	-----
2062 MOLASSES-----	83,489	-----	18,529	1,430	63,530	-----	-----	-----
2091 VEGETABLE OILS, MARG, SHORT-----	39,869	-----	8,750	-----	9,994	-----	10,918	10,207
2011 LOGS-----	6,050	-----	-----	-----	-----	-----	6,050	-----
2021 LUMBER-----	13,703	-----	-----	-----	13,703	-----	-----	-----
2031 VENEER, PLYWOOD, WORKED WOOD-----	5,367	-----	-----	-----	5,367	-----	-----	-----
2011 PULP-----	34,060	-----	-----	-----	34,060	-----	-----	-----
2621 STANDARD NEWSPRINT PAPER-----	4,102	-----	-----	-----	4,102	-----	-----	-----
2631 PAPER AND PAPERBOARD-----	9,529	-----	-----	-----	9,529	-----	-----	-----
2010 SODIUM HYDROXIDE-----	261,175	-----	-----	-----	259,722	-----	-----	1,453
2013 CRUDE TAR, OIL, GAS PRODUCTS-----	74,271	-----	13,748	-----	4,041	11,442	1,341	43,699
2015 ALCOHOLS-----	243,677	-----	4,493	17,089	172,953	40,435	6,346	2,361
2017 BENZENE AND TOLUENE-----	61,921	-----	-----	1,400	21,653	-----	6,649	32,219
2010 SULPHURIC ACID-----	77,462	26,600	44,662	-----	-----	1,400	4,600	-----
2019 BASIC CHEMICALS AND PROD, NEC-----	1,393,584	1,387	840,300	12,323	498,052	4,982	-----	36,540
2671 NITROGENOUS CHEM FERTILIZERS-----	362,240	-----	199,223	10,746	147,466	-----	1,273	3,530
2672 POTASSIC CHEM FERTILIZERS-----	113,370	-----	56,449	-----	-----	19,916	-----	37,005
2673 PHOSPHATIC CHEM FERTILIZERS-----	35,797	-----	15,315	-----	20,482	-----	-----	-----
2679 FERTILIZER AND MATERIALS, NEC-----	250,373	-----	210,853	-----	11,673	4,524	3,123	-----
2091 MISCELLANEOUS CHEMICAL PROD-----	17,950	-----	-----	-----	-----	-----	-----	17,950
2911 GASOLINE-----	658,802	-----	277,181	-----	49,145	163,936	235	126,124
2912 JET FUEL-----	73,153	-----	13,295	-----	40,657	-----	-----	19,291
2913 KEROSENE-----	2,800	-----	-----	-----	2,800	-----	-----	-----
2914 DISTILLATE FUEL OIL-----	658,037	-----	119,761	120,300	62,243	86,104	19,254	251,723
2915 RESIDUAL FUEL OIL-----	1,461,824	-----	88,074	29,654	220,140	-----	13,487	104,944
2916 LUBRICATING OILS AND GREASES-----	307,287	-----	28,705	-----	186,087	1,350	-----	88,045
2917 NAPHTHA, PETROLEUM SOLVENTS-----	300,923	-----	31,360	-----	243,108	-----	2,225	2,643
2918 ASPHALT, TAR, AND BITUMENS-----	360,537	-----	148,489	-----	188,296	-----	-----	23,752
2920 COKE, PETROLEUM COKE-----	1,301,741	-----	10,499	294,687	414,175	46,310	2,794	302,786
2991 PETROLEUM AND COAL PROD, NEC-----	45,417	-----	4,843	-----	35,911	-----	1,115	3,546
3811 GLASS AND GLASS PRODUCTS-----	2,983	-----	2,983	-----	-----	-----	-----	-----

Waterborne Commerce of the United States, 1982

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

FREIGHT TRAFFIC, 1982--CONTINUED

INTERNAL--CONTINUED

(SHORT TONS)

COMMODITY	TOTAL	UPBOUND	INBOUND UPBOUND	OUTBOUND UPBOUND	THROUGH UPBOUND	DOWNBOUND	INBOUND DOWNBOUND	OUTBOUND DOWNBOUND	THROUGH DOWNBOUND
3201 BUILDING CEMENT-----	558,675	-----	30,511	-----	478,461	-----	-----	57,703	-----
3251 STRUCTURAL CLAY PRODUCTS-----	8,565	-----	-----	-----	8,565	-----	-----	-----	-----
3271 LIME-----	146,105	-----	58,611	-----	98,044	1,450	-----	-----	-----
3281 CUT STONE AND STONE PRODUCTS---	2,824	-----	-----	-----	2,824	-----	-----	-----	-----
3311 PIG IRON-----	23,676	-----	1,256	-----	18,781	-----	-----	-----	3,639
3312 SLAB-----	95,205	-----	-----	-----	948	-----	-----	5,945	88,312
3314 IRON AND STEEL PRIMARY FORMS---	59,196	-----	1,349	-----	23,020	-----	800	9,445	24,562
3315 IRON, STEEL SHAPES, EXC SHEET---	268,908	-----	16,241	-----	75,338	-----	4,892	19,741	152,696
3316 IRON AND STEEL PLATES, SHEETS---	395,995	-----	10,716	-----	34,130	-----	1,356	45,352	301,441
3317 IRON AND STEEL PIPE AND TUBE---	31,927	-----	664	-----	17,696	-----	-----	-----	13,567
3318 FERROALLOYS-----	124,937	-----	-----	-----	124,937	-----	-----	-----	-----
3319 IRON AND STEEL PRODUCTS, NEC---	138,988	-----	239	-----	15,179	-----	2,027	2,842	110,701
3321 NONFERROUS METALS, NEC-----	5,459	-----	-----	-----	4,731	-----	-----	-----	728
3322 COPPER ALLOYS, UNWORKED-----	1,104	-----	-----	-----	1,104	-----	-----	-----	-----
3323 LEAD AND ZINC, UNWORKED-----	11,505	-----	-----	-----	11,505	-----	-----	-----	-----
3324 ALUMINUM AND ALLOYS, UNWORKED---	1,567	-----	-----	-----	-----	-----	-----	-----	1,567
3411 FABRICATED METAL PRODUCTS-----	16,491	-----	139	-----	4,855	-----	1,311	608	9,578
3511 MACHINERY, EXCEPT ELECTRICAL---	4,417	-----	-----	-----	1,489	-----	-----	525	2,443
3611 ELECTRICAL MACH AND EQUIP-----	600	-----	-----	-----	-----	-----	-----	600	-----
3711 MOTOR VEHICLES, PARTS, EQUIP-----	590	-----	-----	-----	590	-----	-----	-----	-----
3791 MISC TRANSPORTATION EQUIPMENT---	600	-----	-----	-----	-----	-----	-----	-----	600
4011 IRON AND STEEL SCRAP-----	514,794	-----	-----	-----	22,989	1,529	7,189	25,945	457,142
4029 WASTE AND SCRAP, NEC-----	1,103,552	-----	-----	-----	-----	-----	1,152,329	16,546	24,677

TON-MILES, INTERNAL, 7,808,058,723.

TONS, ALL TRAFFIC, 39,471,855.

TON-MILES, ALL TRAFFIC, 7,810,058,310.

SECTION 2

TRIPS AND DRAFTS OF VESSELS

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

65

TRIPS AND DRAFTS OF VESSELS

DRAFT FEET	WATERWAY		DIRECTION		TOTAL	VESSEL TYPE		TOTAL	VESSEL TYPE		TOTAL
	WATERWAY	WATERWAY	INBOUND	OUTBOUND		WATERWAY	WATERWAY		WATERWAY	WATERWAY	
TWO HARBORS (AGATE HARBOR), MINN.			INBOUND						OUTBOUND		
32 -											
27 -	2				2						
26 -	1				1						
25 -	4				12						
24 -					1						
23 -	16				16						
22 -	1				1						
21 -	10				10						
20 -	17				17						
19 -	29				29						
18 -	3				3						
17 -	1				1						
16 -	2				2						
12 AND LESS -	258				258						
TOTAL -	360				360						
SHILOH-SUPERIOR HARBOR, MINN. AND WIS.			INBOUND						OUTBOUND		
28 -	1				1						
27 -	1				1						
26 -	32				33						
25 -	30				30						
24 -	31				31						
23 -	127				127						
22 -	90				90						
21 -	112				112						
20 -	291				292						
19 -	96				96						
18 -	216				216						
17 -	135				135						
16 -	172				173						
15 -	13				14						
14 -	4				4						
13 -											
12 AND LESS -	1,748				1,753						
TOTAL -	3,101				3,112						
ASHLAND HARBOR, WIS.			INBOUND						OUTBOUND		
TOTAL, 23 AND LESS -	46				46						
BAYFIELD HARBOR, WIS.			INBOUND						OUTBOUND		
TOTAL, 8 AND LESS -	7,149				7,149						
BEAVER BAY HARBOR, MINN.			INBOUND						OUTBOUND		
TOTAL, 5 AND LESS -	490				490						
CONNECQUIA HARBOR, WIS.			INBOUND						OUTBOUND		
TOTAL, 5 AND LESS -	320				320						
GRAND MARAIS HARBOR, MINN.			INBOUND						OUTBOUND		
TOTAL, 5 AND LESS -	878				878						
KNIFE RIVER HARBOR, MINN.			INBOUND						OUTBOUND		
TOTAL, 5 AND LESS -	328				328						
LA POINTE HARBOR, WIS.			INBOUND						OUTBOUND		
TOTAL, 8 AND LESS -	4,458				4,458						
LUTSEN HARBOR, MINN.			INBOUND						OUTBOUND		
TOTAL, 5 AND LESS -	20				20						
PORT WING HARBOR, WIS.			INBOUND						OUTBOUND		
TOTAL, 5 AND LESS -	327				327						
WABUNIA HARBOR, MINN.			INBOUND						OUTBOUND		
TOTAL, 5 AND LESS -	1,359				1,359						
SILVER BAY, MINN.			INBOUND						OUTBOUND		
TOTAL, 28 AND LESS -	506				506						
TACONITE HARBOR, MINN.			INBOUND						OUTBOUND		
TOTAL, 28 AND LESS -	157				157						

Waterborne Commerce of the United States, 1982

CHICAGO, IL, DISTRICT

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
DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
CHICAGO HARBOR, ILL.				INBOUND					OUTBOUND	
27 - - - - -	2				2	1				1
26 - - - - -	1				1					
22 - - - - -	2				2					
21 - - - - -	4				4	4				4
20 - - - - -	2				2					
19 - - - - -					3					
18 - - - - -			25		27	2				18
17 - - - - -	1		138		139	1		138		137
16 - - - - -			42		47			54		54
15 - - - - -			37		39			44		44
14 - - - - -				1	1					
13 - - - - -			13		13			22		22
12 AND LESS - - - - -	3,305		84	102	3,505	3,305		61	102	3,491
TOTAL - - - - -	3,317		339	102	3,785	3,313		337	102	3,775
CHICAGO RIVER (MAIN AND NORTH BRANCH), ILL.				INBOUND					OUTBOUND	
25 - - - - -	2				2					
23 - - - - -						1				1
21 - - - - -	1			2	3				1	1
19 - - - - -	2				2	1				1
18 - - - - -			2		2			5		7
17 - - - - -	1		179		180	1		175		178
16 - - - - -			2		2	2		4		12
15 - - - - -			8		8			8		13
14 - - - - -	2				2				10	10
13 - - - - -			34		34			32		35
12 AND LESS - - - - -	470		525	1,060	2,409	471		522	1,058	2,379
TOTAL - - - - -	478		750	1,060	2,646	477		744	1,058	2,637
CHICAGO RIVER, SOUTH BRANCH, ILL.				INBOUND					OUTBOUND	
TOTAL, 12 AND LESS - - - - -	280		761	1,529	2,917	278		784	1,530	2,971
CHICAGO SANITARY AND SHIP CANAL, ILL.				INBOUND					OUTBOUND	
TOTAL, 12 AND LESS - - - - -	25		2,654	7,537	2,720	15		2,450	7,526	2,730
CALUMET-SAG CHANNEl, ILL.				INBOUND					OUTBOUND	
9 - - - - -	1		266	1,112	321	1		284	430	454
8 - - - - -			370	104	93			102	136	12
7 - - - - -				115	6			3	184	1
6 - - - - -			5	68	5			4	183	6
5 - - - - -				4	1				15	10
4 - - - - -				14	1				14	28
3 - - - - -				2	11				22	21
2 - - - - -	2		464	180	648	1			774	267
1 - - - - -				1	1				1	1
TOTAL - - - - -	3		649	1,887	418	3		683	1,892	413
LAKE CALUMET, ILL.				INBOUND					OUTBOUND	
27 - - - - -	1				1					
26 - - - - -						7	2			9
25 - - - - -	5				5	2				2
24 - - - - -	6				6	1				1
23 - - - - -	6	1			7	6	1			7
22 - - - - -	15	1			16	1				1
21 - - - - -	12				12	6				6
20 - - - - -	8				8	15				15
19 - - - - -	4				4	2				2
18 - - - - -	6				6	6				6
17 - - - - -	1				1	4				4
16 - - - - -	1	1			2	6				6
15 - - - - -	1		5		6	4		5		9
14 - - - - -	1				2	6				6
12 AND LESS - - - - -			54	205	119			51	205	120
TOTAL - - - - -	67	3	59	205	120	66	3	56	205	120
CALUMET HARBOR AND RIVER, ILL., AND IND.				EASTBOUND					WESTBOUND	
28 - - - - -	1				1	2				2
27 - - - - -	4				4	60				60
26 - - - - -	72	3			75	41				41
25 - - - - -	41	3			44	37	1			38
24 - - - - -	35				35	22	1			23
23 - - - - -	55	3			58	53	6			59
22 - - - - -	42	1			43	39	9			48
21 - - - - -	62				62	38	11			49
20 - - - - -	84			2	86	52			1	53
19 - - - - -	51				52	41			1	42
18 - - - - -	64	1	18		103	68	2		11	80
17 - - - - -	12	1	50		64	27		44	1	72
16 - - - - -	26	7	21	1	54	25	1	17	6	75
15 - - - - -	6	1	31	2	40	12		36	6	49
14 - - - - -	13	1	3		17	15		4	1	20
13 - - - - -	2		6	3	11	2		6	1	9

CHICAGO, IL, DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	INBOUND		OUTBOUND		TOTAL	INBOUND		OUTBOUND		TOTAL
DRAFT (FEET)	DRAGGERS	TANKERS	DRAGGERS	TANKERS		DRAGGERS	TANKERS	DRAGGERS	TANKERS	
CALUMET HARBOR AND RIVER, ILL. AND IND. (CONTINUED)										
12 AND LESS	24		531		1,685	191		1,597	363	2,591
TOTAL	22	22	660		1,693	192		1,604	411	3,374
INDIANA HARBOR, IND.										
31										
30										
29										
28										
27										
26										
25										
24										
23										
22										
21										
20										
19										
18										
17										
16										
15										
14										
13										
12 AND LESS	162		240		406	450		449	447	1,272
TOTAL	463	94	411		451	474		454	475	1,874
BURNS WATERWAY HARBOR, IND.										
30										
29										
28										
27										
26										
25										
24										
23										
22										
21										
20										
19										
18										
17										
16										
15										
14										
13										
12 AND LESS	667		19		286	64		304	57	1,046
TOTAL	914		25		286	64		304	59	1,301
MICHIGAN CITY HARBOR, IND.										
TOTAL, 5 AND LESS	584				584			584		584
HAUKENAN HARBOR, ILL.										
TOTAL, 22 AND LESS	113				113			111		111
BUFFINGTON HARBOR, IND.										
TOTAL, 26 AND LESS	32		5		55			15		52
GARY HARBOR, IND.										
TOTAL, 28 AND LESS	243		18		417			156		405

Waterborne Commerce of the United States, 1982

DETROIT, MI, DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY		DIRECTION					DRAFT (FEET)				
		SELF-PROPELLED VESSELS			NON-SELF-PROPELLED VESSELS		TOTAL	SELF-PROPELLED VESSELS			TOTAL
DRAFT (FEET)		PASSENGER AND CARRY	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND CARRY	TANKER	TOWBOAT OR TUGBOAT	
KENNEBUNK WATERWAY, MICH.											
25		2			EASTBOUND		2				
23		1					1				
22		7	1				8				
21		6					6	1	1		
20		2	3			1	5				
19			1				1	2	1		
18			1				1		1		
17		1					1	2			
16		1		1			2	2	1	1	
15											
12 AND LESS		333		10	10		353	313	3	10	1
TOTAL		333	6	11	10	1	361	326	7	11	2
PRESCOTT ISLE HARBOR, MICH.											
28		1			EASTBOUND		1				
27								27			
26								1			
25		8					8	2			
24		21					21	4			
23		68					68	111			
22		14					14	4			
21		14					14				
20		4					4	2			
19		17					17	30			
18		27					27				
17		6					6				
16		2			1		3				
14				1			1			1	
TOTAL		187		1	1		189	191		1	
ST. MARYS RIVER, MICH.											
32					EASTBOUND						
29		2					2	2			
28		3					3	78			
27		4					4	413			
26		28					28	243			
25		35					35	19			
24		36					36	10			
23		219	1				220	66			
22		162	5				167	61			
21		133	5				138	32			
20		110				2	112	21	4		
19		127	5			1	133	27	4		
18		188	2				190	17	4		
17		137	1				138	36			
16		65		3		1	69	13	1	1	
15		17		2			19	1			
14		31		2			33	6			
13		4					4	71			
12 AND LESS		33,246	3	20	15	4	33,288	33,656	27	5	1
TOTAL		34,754	22	24	25	7	34,830	34,761	22	32	1
ST. MARYS FALLS CANAL, MICHIGAN AND SAULT STE. MARIE, ONTARIO SHIP CANAL, CANADA											
32		2			EASTBOUND		2				
29		3					3	2			
28		78					78	3			
27		413					413	4			
26		233				1	233	24			
25		29					29	1			
24		24					24	17			
23		130					130	172			
22		49					49	101			
21		35				1	36	124			
20		11	3	1			15	262			1
19		11	2				13	17			
18		56	2				58	112			
17		78					78	117			
16		4	2	1			6	63			
15		1					1	1			
14		2		1			3	1			
13		3				1	4	1			
12 AND LESS		161				2	163	16	3	2	
TOTAL		1,427	9	13	10	3	1,442	1,431	9	12	1
DRUMMOND ISLAND, MICH.											
26					EASTBOUND						
25								1			
24								13			
23								12			
22								12			
21		1					1	8			
20		7					7	5			
19		27	1				28	2			
18		8					8				

DETROIT, MI, DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					TOTAL	DIRECTION					TOTAL
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
DRUMMONT ISLAND, MICH.--(CONTINUED)					INBOUND						OUTBOUND	
17 - - - - -	1					1						
16 - - - - -	2					2	1					
15 - - - - -	A					A						
14 - - - - -	1					1						
12 AND LESS - - - - -	14,711			2		14,713	14,711			2		14,713
TOTAL - - - - -	14,768		1	2		14,771	14,777	1		2		14,780
GRAYS REEF PASSAGE, MICH.					NORTHBOUND						SOUTHBOUND	
30 - - - - -	1					1						
29 - - - - -	3					4						
28 - - - - -	28					28						
27 - - - - -	142	3	A			153						
26 - - - - -	51	5				56						
25 - - - - -	48	1				49	1					
24 - - - - -	119	4			8	131	4					
23 - - - - -	141	9				150						
22 - - - - -	135	A			4	147	3					
21 - - - - -	261	9			2	274	2					
20 - - - - -	172	15			1	188	2		3			
19 - - - - -	209	5	7		1	222	8			1		
18 - - - - -	51	2			A	61		1				
17 - - - - -	47	11	31		3	95		1		2		
16 - - - - -	17	2	14		2	36				4		
15 - - - - -	13	5	9		1	28	15	2				
14 - - - - -	44				2	47						
13 - - - - -	31		24		9	70						
12 AND LESS - - - - -						134						
TOTAL - - - - -	1,514	79	93	31	87	1,804	31	7	7			
TRAVERSE CITY HARBOR, MICH.					INBOUND						OUTBOUND	
19 - - - - -	4	28			4	36	2	10				
18 - - - - -			5		1	6	1	4	3			
17 - - - - -		1	1			2		1	1			
16 - - - - -		1	6		3	10	1	10	7		1	
15 - - - - -			6			6					1	
14 - - - - -		2				2		9			1	
13 - - - - -			2			2			9			
12 AND LESS - - - - -					4	4					9	
TOTAL - - - - -	4	32	20		12	68	4	34	20		12	
FRANKFORT HARBOR, MICH.					INBOUND						OUTBOUND	
17 - - - - -	142					142	144					
15 - - - - -	81					81	81					
TOTAL - - - - -	223					223	225					
LUDINGTON HARBOR, MICH.					INBOUND						OUTBOUND	
23 - - - - -	8					8	7					
22 - - - - -	3					3	2					
21 - - - - -	2					2	2					
20 - - - - -	469					469	470					
19 - - - - -	2					2	4					
18 - - - - -	10		13			23	2		9			
17 - - - - -	1		27			28	5		17			
16 - - - - -			25	6	1	32			21		1	
15 - - - - -			10			10			16		4	
14 - - - - -	2		6			8	4		14		3	
13 - - - - -	1		2			3			4			
12 AND LESS - - - - -	18		4		79	101	20		6	70		
TOTAL - - - - -	516		87	6	80	609	516		87	6	80	
MUSKEGON HARBOR, MICH.					INBOUND						OUTBOUND	
25 - - - - -	10					10	1					
24 - - - - -	10					10						
23 - - - - -	A					A						
22 - - - - -	28	2				30	1	1				
21 - - - - -	8					8	3					
20 - - - - -	10	1			1	12	3					
19 - - - - -	6					6	16					
18 - - - - -	2	1	5		1	9	25	1	3			
17 - - - - -			4	1		5	13		2			
16 - - - - -		1	3			4	9	1	1			
15 - - - - -	1		1			2	9		1			
14 - - - - -									2		1	
13 - - - - -									1			
12 AND LESS - - - - -	126		1		5	132	126		2	2	6	
TOTAL - - - - -	207	5	14	1	7	234	206	4	13	2	7	
GRAND HAVEN HARBOR AND GRAND RIVER, MICH.					INBOUND						OUTBOUND	
23 - - - - -	17					17	14					
22 - - - - -	7					7	12					
21 - - - - -	A					A	12					
20 - - - - -	8			2		10	6		1			
19 - - - - -	11					11	7					

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DETROIT, MI, 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)												
GRAND HAVEN HARBOR AND GRAND RIVER, MICH.--(CONTINUED)												
18	6					6	11					11
17	1					1	1					1
16	2					2				1		1
15	2					2	1					1
14	3			1		4	1		1			2
13	1					1						
TOTAL	60		1		2	63	60		1	1		62
ST. JOSEPH HARBOR, MICH.												
22	14					14						
21	15					20	2					2
20	3					6						
19							7					7
18	1					1	6					6
17	1			2		3	3		7			10
16							3		4	A		15
15				4		4	5					5
14				A		A	5		A			13
13				A		A	3		2			5
12 AND LESS					13	13	2		2		13	17
TOTAL	34		22		A 13	77	36		23	A 13		80
MILWAUKEE HARBOR, WIS.												
24	1					1						
23							10					10
22	17					17	50					50
21	4		1			5	7		2			9
20	14					16	13					13
19	15					15	19		1			20
18	48			1		49	14					16
17	37					37	15					15
16	76					76	18		2			20
15	26					26	26					26
14	33			2		35	34					34
13	4			6		29	11			4		15
12	4		1	4		14	2			6		4
11	12		1	9		24	7			7		15
10	2				2	3	71		1			72
9	2					2	34					34
8	1,350		1	6	1 11	1,349	1,355			A	1 13	1,377
TOTAL	1,471	7	25		1 14	1,718	1,497	6	25	1 14		1,743
PORT WASHINGTON HARBOR, WIS.												
23	15					15	2					2
22	7					7	9					9
21	13					13	3					3
20	10					10	12					12
19							14					14
18							2					2
17							1					1
16							74					74
15							74					74
14												
13												
TOTAL	119					119	119					119
MANITOWOC HARBOR, WIS.												
21	11					11						
20	4					4	4					4
19	4					4	5					5
18	3			1		4	1		1			6
17	14					15	14					15
16							2					2
15	10					10	8					8
14	1					1	17					17
13							2					2
TOTAL	51		2			53	52		2			54
KEWAUNEE HARBOR, WIS.												
20	467					467	467					467
17	130					130	124					124
15	73					73	73					73
TOTAL	670					670	664					664
GREEN BAY HARBOR, WIS.												
26	1					1	2					2
25							2		1			3
24							A					A
23	4					4	4					4
22	33		4			37	5		3			11
21	40		5			49	A		1			4
20	38					34	14		2			7
19	19		1			20	22		2			24
18	5					5	47					47

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DETROIT, MI, 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
MARYSVILLE, MICH.--(CONTINUED)												
20 -	2					2		3				3
19 -	2				1	3	4				1	5
18 -	4					4	4					4
17 -	2		7		2	11	2		7			10
16 -			21			21	4		2A			34
15 -			1		1	2			1			3
14 -			1		2	3			4			4
13 -									4			4
12 AND LESS -	4	3	264	89	177	537	6	3	25A	100	194	561
TOTAL -	19	3	294	89	184	540	23	7	302	101	212	645
ST. CLAIR, MICH.												
26 -	26					26						
25 -	24					24	1					1
24 -	1					1	1					1
23 -	1					1	1					1
22 -	0					0	2					2
21 -	2			3		5	1					1
20 -	0					0	33					33
19 -	1					1	6				1	7
18 -	1				2	3	10					10
17 -	1		1			2	A		1			9
16 -			15			15	2		A			10
15 -			1			1	1					1
14 -							1					1
13 -											1	1
12 AND LESS -			62	6A	9	139	1		50	52	7	110
TOTAL -	70		79	71	11	231	6A		59	52	9	18A
CHANNELS IN LAKE ST. CLAIR												
29 -	3					3	A					A
28 -	52					52	76					76
27 -	99					99	314			1		315
26 -	74		1			75	307					308
25 -	25					26	109		1			110
24 -	50	1				60	84				11	96
23 -	223			1	1	225	175					175
22 -	178	4		1		183	134	1				135
21 -	171	6		4		181	113	5		7		125
20 -	235			2		237	67	13		3		83
19 -	151	15				166	33	2				35
18 -	151	2	1		2	156	41	1	2	1		45
17 -	195		12	1		208	14		12			33
16 -	45	5	16	3	7	76	10	10	17		5	42
15 -	28	2	21			51	9		9			14
14 -	45	2	11		5	63	7	14	10		2	33
13 -	15	1				16	2					2
12 AND LESS -	35	11	22	2	47	117	20	1	14	1	3A	74
TOTAL -	1,784	50	84	14	62	1,944	1,51A	49	67	13	61	1,70A
DETROIT RIVER, MICH.												
29 -	3					3	8					8
28 -	52					52	76					76
27 -	100					100	312			1		313
26 -	81		1			82	325		1			326
25 -	27	1				28	112	1		1		114
24 -	74					74	82	1			11	94
23 -	317	1		1		319	177			3		180
22 -	289	4		1		294	141	1				142
21 -	221	7		4		232	12A	5		7		140
20 -	267	1		3		271	81	26		A		113
19 -	171	15		1		187	71	A				77
18 -	174	2		1	2	179	101	1	2	2	1	107
17 -	200	1	12	1		214	140		12			156
16 -	52	4	20		7	91	17	9	25			54
15 -	27	2	22	8		51	51	1	11		2	64
14 -	341	4	17		15	377	269	14	14	7	3	327
13 -	15	1				16	7					7
12 AND LESS -	57	24	149	610	85	92A	3A	3	139	601	77	85A
TOTAL -	2,46A	68	222	629	109	3,496	2,150	6A	204	42A	107	3,157
DETROIT HARBOR, MICH.												
29 -	1					1						
28 -	4					4						
27 -	36					36	3					3
26 -	29					29	9	2				11
25 -	27	3				30	A	1		1		10
24 -	28	2				30	A	4			1	12
23 -	33	2				35	A	3				14
22 -	45	5				50	1A	4				21
21 -	36	3				39	42	1				43
20 -	29					29	56	3				59
19 -	26	1				27	46					46
18 -	22					22	63		1			64
17 -	16		2			18	25					27
16 -	10	2	1			13	7	1	2			4

DETROIT, MI, DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		TOTAL
	DRAFT (FEET)	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO		TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	
DETROIT HARBOR, MICH.--(CONTINUED)					INBOUND						OUTBOUND	
15 - - - - -	7					7	15					15
14 - - - - -	303				9	312	311			12	1	324
13 - - - - -	8				3	7	10		2			12
12 AND LESS- - - - -	56	2	581		15	1,576	65	3	582	927	23	1,600
TOTAL- - - - -	712	20	581		27	2,265	698	20	587	943	25	2,269
ROUGE RIVER, MICH.					INBOUND						OUTBOUND	
27 - - - - -	1					1						
26 - - - - -	80					80	32					32
25 - - - - -	30					30	7					7
24 - - - - -	27					27	8				1	9
23 - - - - -	98					98	19					19
22 - - - - -	83	1			1	85	5					5
21 - - - - -	50					50	13					13
20 - - - - -	47	1			2	50	29	15		3		47
19 - - - - -	27	2			1	30	41	4			1	46
18 - - - - -	22					22	109			1	3	113
17 - - - - -	20	1	2		7	30	200		1		2	203
16 - - - - -	33	1	10		3	48	16		20	2	1	39
15 - - - - -	8	1	3		2	14	56	1	8	1	2	68
14 - - - - -	2	2	7		3	14	12	1	7	2	4	26
13 - - - - -	6	1	1		1	13	9					9
12 AND LESS- - - - -	11	14	332		4	728	15	3	335	317	63	733
TOTAL- - - - -	541	24	355		67	1,316	571	26	371	326	77	1,371
TRENTON, MICH.					INBOUND						OUTBOUND	
29 - - - - -	4					4						
28 - - - - -	19					19						
27 - - - - -	3					3						
26 - - - - -	1					1						
25 - - - - -	3					3						
24 - - - - -	1					1						
23 - - - - -	8					8						
22 - - - - -												
21 - - - - -												
20 - - - - -												
19 - - - - -							1					1
18 - - - - -							22					22
17 - - - - -							5					5
16 - - - - -												
15 - - - - -												
14 - - - - -												
13 - - - - -												
12 AND LESS- - - - -							4	2	4		2	7
TOTAL- - - - -	39		4		4	47	39		4		4	67
PORT OF DETROIT, MICH.					INBOUND						OUTBOUND	
29 - - - - -	5					5						
28 - - - - -	23					23						
27 - - - - -	40					40	3					3
26 - - - - -	112	1				113	43	3				46
25 - - - - -	63	3				66	17			1		18
24 - - - - -	60	2				62	16	4			2	23
23 - - - - -	131	3				134	29			3		34
22 - - - - -	145	7			1	153	30	4				34
21 - - - - -	83	3				86	53	4				57
20 - - - - -	62	4			2	68	61	20		3		104
19 - - - - -	47	4			1	52	110	4			1	115
18 - - - - -	32					32	170		1	1	3	175
17 - - - - -	27	1	4		7	39	243	1	3		1	248
16 - - - - -	16	3	16		3	39	25	1	25	2	3	56
15 - - - - -	14	1	8		2	25	71	1	13	1	2	88
14 - - - - -	309	2	8		12	331	309	1	8	14	6	338
13 - - - - -	11	1	1		8	22	17		2			19
12 AND LESS- - - - -	95	19	907		75	2,337	83	9	914	1,242	91	2,339
TOTAL- - - - -	1,295	54	944		103	3,647	1,300	58	964	1,267	109	3,700
MONROE HARBOR, MICH.					INBOUND						OUTBOUND	
24 - - - - -							1					1
23 - - - - -							5					5
22 - - - - -												
21 - - - - -	58					58	1					1
20 - - - - -	26					26	4					4
19 - - - - -	8					8	16					16
18 - - - - -	14					14	14					14
17 - - - - -	6					6	7					7
16 - - - - -							12					12
15 - - - - -							4					4
14 - - - - -							53					53
13 - - - - -							4					4
12 - - - - -							12					12
TOTAL- - - - -	132					132	133					133
ALGOMA HARBOR, WIS.					INBOUND						OUTBOUND	
TOTAL, 12 AND LESS- - - - -	270					270	272					272

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DETROIT, MI, 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)												
ALGONAC, MICH. TOTAL, 7 AND LESS	9,449				INBOUND	9,449	9,449				OUTBOUND	9,449
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. TOTAL, 5 AND LESS	432				INBOUND	432	432				OUTBOUND	432
CHARLEVOIX HARBOR, MICH. TOTAL, 23 AND LESS	283		20	31	13	347	284		20	31	13	344
CHEBOYGAN HARBOR, MICH. TOTAL, 21 AND LESS	424	21	1		INBOUND	846	424	22	3		OUTBOUND	851
DETOUR, MICH., AND VICINITY TOTAL, 23 AND LESS	14,814				INBOUND	14,814	14,813				OUTBOUND	14,813
DETROIT HARBOR, MICH. TOTAL, 9 AND LESS	3,405				INBOUND	3,405	3,405				OUTBOUND	3,405
EAGLE HARBOR, MICH.					NO VESSEL TRIPS REPORTED							
ECORSE, MICH. TOTAL, 26 AND LESS	43	12	28		INBOUND	108	37	13	28		OUTBOUND	117
GLADSTONE HARBOR, MICH. TOTAL, 23 AND LESS	3	12	1		INBOUND	17	4	14	1		OUTBOUND	22
GRAND MARAIS HARBOR (HARBOR OF REFUGE), MICH. TOTAL, 5 AND LESS	82				INBOUND	82	82				OUTBOUND	82
GRAND TRAVERSE BAY HARBOR, MICH. TOTAL, 5 AND LESS	10				INBOUND	10	10				OUTBOUND	10
HARBOR BEACH, MICH., HARBOR OF REFUGE, LAKE MICHIGAN					NO VESSEL TRIPS REPORTED							
HARRISVILLE HARBOR, MICH., HARBOR OF REFUGE, LAKE MICHIGAN TOTAL, 19 AND LESS		10	2		INBOUND	14		10	2		OUTBOUND	14
HOLLAND HARBOR, MICH. TOTAL, 22 AND LESS	36				INBOUND	36	36				OUTBOUND	36
KENOSHA HARBOR, MICH. TOTAL, 26 AND LESS	348				INBOUND	348	350				OUTBOUND	350
LAC LA PELLE HARBOR, MICH. TOTAL, 5 AND LESS	11				INBOUND	11	11				OUTBOUND	11
LELAND HARBOR, MICH. TOTAL, 5 AND LESS	606				INBOUND	606	604				OUTBOUND	604
LIME ISLAND, MICH. TOTAL, 18 AND LESS			1		INBOUND	2			1		OUTBOUND	2
MACKINAC HARBOR, MICH. TOTAL, 8 AND LESS	5,777				INBOUND	5,777	5,777				OUTBOUND	5,777
MACKINAW CITY HARBOR, MICH. TOTAL, 22 AND LESS	1,772	23	7		INBOUND	1,805	1,772	23	7		OUTBOUND	1,805

DETROIT, MI, DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
DRAFT (FEET)										
MANISTEE HARBOR, MICH. TOTAL, 21 AND LESS - - - - -	25			INBOUND		25			OUTBOUND	
MANISTIQUE HARBOR, MICH. TOTAL, 5 AND LESS - - - - -	54			INBOUND		54			OUTBOUND	
MARINE CITY, MICH. TOTAL, 24 AND LESS - - - - -	13,844			INBOUND		13,844			OUTBOUND	
MARQUETTE HARBOR, MICH. TOTAL, 23 AND LESS - - - - -	246	6		INBOUND		252	246	5	1	
MEMONIEE HARBOR AND RIVER, MICH. AND WIS. TOTAL, 22 AND LESS - - - - -	1,059		8	1		1,064	1,059	3	1	
NEW BUFFALO HARBOR, MICH.			NO VESSEL TRIPS REPORTED							
OCONTO HARBOR, WIS. TOTAL, 5 AND LESS - - - - -	625			INBOUND		625			OUTBOUND	
ONTONAGON HARBOR, MICH.			NO VESSEL TRIPS REPORTED							
PENBAUNEE HARBOR, WIS. TOTAL, 5 AND LESS - - - - -	866			INBOUND		866			OUTBOUND	
PENTWATER HARBOR, MICH.			NO VESSEL TRIPS REPORTED							
PORT SANILAC HARBOR, MICH.			NO VESSEL TRIPS REPORTED							
PUT-IN-BAY HARBOR, OHIO TOTAL, 7 AND LESS - - - - -	5,477			INBOUND		5,477			OUTBOUND	
RACINE HARBOR, WIS. TOTAL, 20 AND LESS - - - - -	300		2	INBOUND		302	300	2	OUTBOUND	
ROBES CITY, MICH. TOTAL, 5 AND LESS - - - - -	60			INBOUND		60			OUTBOUND	
SAUGATUCK HARBOR AND MALAMAZOO RIVER, MICH.			NO VESSEL TRIPS REPORTED							
SAULT STE. MARIE, MICH. TOTAL, 25 AND LESS - - - - -	24,004	18	43	1	3	24,069	24,005	17	41	2
SEBENAING, MICH. TOTAL, 5 AND LESS - - - - -	710			INBOUND		710			OUTBOUND	
SHEBOYGAN HARBOR, WIS. TOTAL, 20 AND LESS - - - - -	403		9	1	6	419	403	12	1	6
SOUTH HAVEN HARBOR, MICH.			NO VESSEL TRIPS REPORTED							
ST. JAMES (BEAVER ISLAND), MICH. TOTAL, 8 AND LESS - - - - -	499		20	31	13	563	501	20	31	13
STURGEON BAY AND LAKE MICHIGAN SHIP CANAL, WIS. TOTAL, 22 AND LESS - - - - -	680	4	4		4	692	656	2	4	3
TWO RIVERS HARBOR, WIS. TOTAL, 9 AND LESS - - - - -	972		1	INBOUND	1	974	970	1	OUTBOUND	1
WHITE LAKE HARBOR, MICH.			NO VESSEL TRIPS REPORTED							
WHITEFISH POINT HARBOR, MICH. TOTAL, 5 AND LESS - - - - -	147			INBOUND		147			OUTBOUND	
WYANDOTTE, MICH. TOTAL, 25 AND LESS - - - - -	22		1	INBOUND	2	25	25	1	OUTBOUND	1

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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	
CALCITE, MICH. TOTAL, 26 AND LESS - - - - -	305		3	11	INBOUND	319	311		3	OUTBOUND	12	326
ESCANABA, MICH. TOTAL, 30 AND LESS - - - - -	358	17	10	5	INBOUND	394	358	15	9	OUTBOUND	4	391
MARBLEHEAD, OHIO TOTAL, 23 AND LESS - - - - -	3,132				INBOUND	3,132	3,135			OUTBOUND		3,135
OAK CREEK, MICH. TOTAL, 21 AND LESS - - - - -	60				UPBOUND	60	60			DOWNBOUND		60
PORT DOLOMITE, MICH. TOTAL, 27 AND LESS - - - - -	96		6	8	INBOUND	110	97		4	OUTBOUND	8	113
PORT INLAND, MICH. TOTAL, 28 AND LESS - - - - -	96		2	2	INBOUND	100	95		2	OUTBOUND	2	99
STONEPORT, MICH. TOTAL, 27 AND LESS - - - - -	202				INBOUND	202	203			OUTBOUND		203

BUFFALO, NY, DISTRICT

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TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION						DIRECTION					
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS			SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		
	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL	PASSENGER AND DRY CARGO	TANKER	TUGBOAT OR TUGBOAT	DRY CARGO	TANKER	TOTAL
TOLEDO HARBOR, OHIO				INBOUND						OUTBOUND		
29	3					3	2					2
28	15					15	1					1
27	63					63	20					20
26	61	2				63	157					157
25	33					33	12					12
24	45					45	47					47
23	77	2				79	168	4				172
22	76	3				79	157	6				163
21	49	2				51	160					160
20	106					106	106	5				111
19	85	4				89	69	11				80
18	126					126	53	2				55
17	134	1	1			136	33	3				36
16	31	10	10			51	4	4	9		5	22
15	64	2	4			70	10	2	2			14
14	42	9				51	5	1			4	10
13	4					4	3	1		1		5
12 AND LESS	1,223	4	169	165	19	1,580	1,229	1	173	171	12	1,586
TOTAL	2,237	39	184	165	19	2,644	2,236	40	184	172	21	2,653
SANDUSKY HARBOR, OHIO				INBOUND						OUTBOUND		
28							4					4
27							9					9
26							106					106
25							3					3
24	4					4	45					49
23	42					42	3					45
22	25					25	44					69
21	14					14	36					50
20	8					8	16					24
19	26					26	6					32
18	13					13	7					20
17	39					39	3					42
16	5					5	1					6
15	11					11	4					15
14	12					12						12
13	2					2						2
12 AND LESS	5,287		1			5,288	5,196		1	1		5,198
TOTAL	5,488		1			5,489	5,483		1	1		5,485
MURON HARBOR, OHIO				INBOUND						OUTBOUND		
27	40					40						
26	30					30	8					38
25	14					14	5					19
24	4					4	1					5
23	3					3	4					7
22	5					5	22					27
21	1					1	8					9
20	1					1	26					27
19	3					3	29					32
18	2					2	8					10
17	4					4						4
16	3					3	5					8
15	5					5						5
12 AND LESS	1,298					1,298	1,298					1,298
TOTAL	1,413					1,413	1,414					1,414
LORAIN HARBOR, OHIO				INBOUND						OUTBOUND		
28	13					13						
27	54					54						
26	16					16	1					17
25	9					9						9
24	5					5	44					49
23	9					9	70					79
22	4					4	10					14
21	4					4	4					8
20	29					29	43					72
19	9					9	3					12
18	19		1	1		21	9		1	1		22
17	40					40	3					43
16	14					14	3					17
15	1					1	16					17
14							1					1
12 AND LESS	401					401	917					917
TOTAL	1,123		1	1		1,125	1,124		1	1		1,126
CLEVELAND HARBOR, OHIO				INBOUND						OUTBOUND		
29	1					1						
28	4					4						
27	78					78						
26	78					78	10	1				79
25	34	1				35	14					49
24	70					70	21					91
23	81					81	28	1				110
22	75	1		1		77	54	1		1		82
21	38	2		8		48	45			4		52

BUFFALO, NY, 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
CLEVELAND HARBOR, OHIO--(CONTINUED)												
30 -	40	10				62	90	1				91
29 -	40	2		3	2	53	81	1		1	1	84
19 -	32	3	1		1	37	53	2	1			56
18 -	26					27	102	1		1		104
17 -	7		9	1	4	21	45		9	5		59
16 -	1		4		1	6	44		10			54
15 -	1	1	12		4	18	34		13	1		48
14 -					2	2	4	3				7
13 -					19	1,041	1,028	13	5		26	1,072
12 AND LESS -	1,013	5	4									
TOTAL -	1,637	25	30	13	34	1,739	1,653	24	38	13	27	1,755
FAIRPORT HARBOR, OHIO												
30 -	16					16						
29 -	10					10						
28 -	3					3						
27 -	7					7	18					18
26 -	12					12	18					18
25 -	14					14	11					11
24 -	4					4	14					14
23 -	3					3	22					22
22 -	21					21	10					10
21 -	8					8	8					8
20 -	6					6	1					1
19 -	13					13	9					9
18 -	2					2	1					1
17 -	1					1						
16 -	646					646	647					647
15 -												
14 -												
13 -												
12 AND LESS -												
TOTAL -	766					766	759					759
ASHTABULA HARBOR, OHIO												
30 -							2					2
29 -	3					3	31					31
28 -	13					13	67					67
27 -	25					25	42					42
26 -	21					21	29					29
25 -	6					6	4					4
24 -	43					43	4					4
23 -	92					92	27					27
22 -	27					27	15					15
21 -	27					27	15					15
20 -	17	1				17	24					24
19 -	14					14	25					25
18 -	4					4	10					10
17 -	8					8	5					5
16 -	10					10	2					2
15 -	4					4	10		1			10
14 -	5					5	10					10
13 -	2					2	1					1
12 AND LESS -	109					109	108					108
TOTAL -	430	1	1			432	431		1			432
CONNEAUT HARBOR, OHIO												
30 -							2					2
29 -							50					50
28 -							62					62
27 -	10					10	73					73
26 -	19					19	113					113
25 -	35					35	4					4
24 -	71					71	16					16
23 -	164					164	36					36
22 -	61					61	24					24
21 -	16	1				17	37					37
20 -	31					31	33					33
19 -	39					39	9					9
18 -	16					16	14					14
17 -	17					17	4					4
16 -	9					9	2					2
15 -	2					2	1					1
14 -	1					1						
13 -							1					1
12 AND LESS -	1,174					1,174	1,179					1,179
TOTAL -	1,661	1				1,662	1,660					1,660
ERIE HARBOR, PA.												
30 -	1					1	1					1
29 -	3					3	5					5
28 -	3					3	5					5
27 -	4					4	1					1
26 -	6					6	7					7
25 -	14					14	4					4
24 -	13					13	4					4
23 -	11					11	5					5
22 -	7					7	1					1
21 -							2					2
20 -							3					3
19 -												
18 -												
17 -												
16 -	2					2	3					3

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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	
ERIE HARBOR, PA.--(CONTINUED)													
15 - - - - -	2						2	26					
14 - - - - -	68						68	68					
12 AND LESS - - - - -	2,107						2,107	2,101				1	2,101
TOTAL - - - - -	2,241			1	1		2,243	2,232		1		2	2,233
BUFFALO HARBOR, N. Y.													
26 - - - - -	1						1						
27 - - - - -	15						14	1					
24 - - - - -	22		1	1			24	9	2	1			
25 - - - - -	7		2				9	2					
24 - - - - -	3						3	4	1				
23 - - - - -	51						51	16			1		
22 - - - - -	30						30	40					
21 - - - - -	27						27	2					
20 - - - - -	8		1				22	2					
19 - - - - -	8		1				10	13					
18 - - - - -	16				1		16	34					
17 - - - - -	11						11	45					
16 - - - - -	54					2	54	26			2		
15 - - - - -				5			5	2	2	5			
14 - - - - -				1			1	23	1	1			
13 - - - - -								16					
12 AND LESS - - - - -	53	35	2		5		95	60	31	2		7	100
TOTAL - - - - -	319	40	9	2	7		377	315	37	9		7	377
NIAGARA RIVER, N. Y.													
21 - - - - -		10					10		2				
20 - - - - -	3	17		3			23				1		
19 - - - - -		15					15	3	9		1		
18 - - - - -					1		1				1		
17 - - - - -													
16 - - - - -		1					1		11		1	1	
15 - - - - -									1	4			
14 - - - - -		7	3				10		4				
12 AND LESS - - - - -		32					32	51				1	51
TOTAL - - - - -	3	62	3	3	1		92	3	62	6	4	2	99
PORT OF BUFFALO, N. Y.													
26 - - - - -	1						1						
27 - - - - -	15				1		14	1					
26 - - - - -	22			1			24		2	1			
25 - - - - -	7		2				9	2</					

BUFFALO, NY, DISTRICT

TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY	DIRECTION					DIRECTION				
	SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS		SELF PROPELLED VESSELS			NON SELF PROPELLED VESSELS	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER
DRAFT (FEET)						TOTAL				TOTAL
DUNKIRK HARBOR, N. Y. TOTAL, 5 AND LESS - - - - -	292			INBOUND		292	290		OUTBOUND	290
GREAT BODYS BAY HARBOR, N. Y.				NO VESSEL TRIPS REPORTED						
KELLEYS ISLAND, OHIO TOTAL, 7 AND LESS - - - - -	3,400			INBOUND		3,400	3,406		OUTBOUND	3,406
NIAGARA FALLS, N. Y.				NO VESSEL TRIPS REPORTED						
ODENSBURG HARBOR, N. Y. TOTAL, 26 AND LESS - - - - -	5		8	INBOUND	6	20	5	12	OUTBOUND	24
PORT CLINTON HARBOR, OHIO TOTAL, 10 AND LESS - - - - -	3,984			INBOUND		3,984	3,980		OUTBOUND	3,980
ROCHESTER (CHARLOTTE) HARBOR, N. Y. TOTAL, 29 AND LESS - - - - -	89			INBOUND		89	86		OUTBOUND	86
SACKETS HARBOR, N. Y.				NO VESSEL TRIPS REPORTED						
TOMAHAWKA HARBOR, N. Y.				NO VESSEL TRIPS REPORTED						
VERMILION HARBOR, OHIO TOTAL, 5 AND LESS - - - - -	1,834			INBOUND		1,834	1,834		OUTBOUND	1,834
WADDINGTON HARBOR, N. Y.				NO VESSEL TRIPS REPORTED						

ROCK ISLAND, IL, DISTRICT

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TRIPS AND DRAFTS OF VESSELS

HARBOR OR WATERWAY		DIRECTION					DIRECTION						
DRAFT (FEET)	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	SELF PROPELLED VESSELS			NON-SELF PROPELLED VESSELS		TOTAL	
	PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		PASSENGER AND DRY CARGO	TANKER	TOWBOAT OR TUGBOAT	DRY CARGO	TANKER		
ILLINOIS RIVER, ILL.													
12			10	10		20			2	DOWNBOUND	5	102	109
11			129	2	3	134			107	8	74	189	
10			235	134	40	409			225	852	206	1,263	
9			1,840	4,941	1,618	8,409	3		1,856	11,989	1,137	14,965	
8			1,097	326	321	1,744			1,144	467	69	1,680	
7			214	370	28	612			208	277	7	496	
6			108	575	5	688			111	167	5	290	
5			7	24	6	37			6	26	2	34	
4			2	226	3	604	375			93	3	471	
3			208	2	2	210				25	53	78	
2		10	3	11,988	1,050	13,053	5		3	4,939	1,393	6,343	
1			8	1	25	34	1	3	10	12	86	109	
TOTAL	394	2	3,653	18,805	3,101	25,955	395	3	3,652	18,860	3,137	26,047	

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